

## Model Question

### English

(यस passage को समेत उत्तर यसैमा पछि राखेको छ )

Read the passage and answer the questions that follow:

The nursing profession dates back to the days of Florence Nightingale. Because of her devotion and love to this sick people, the nursing profession gained respect and honor throughout the world for serving the suffering humanity. Alas ! Gone are the days of Florence Nightingale. It has made a great deal of change in itself at present. It is no more regarded as what is used to be and the society looks towards it with a different view. Incidents that occur her and there have contributed to some extent towards it. Has the profession forgotten the philosophy with which it had originated or has the wrong attitude of the society led to the present state of affairs in this pious profession."

- philosophy means:
  - principle
  - principal
  - practice
  - problem
- what philosophy did the nursing profession originate with:
  - service oriented
  - love and caring
  - respect and honor
  - unclear notions
- "It" in the second paragraph refers to:
  - florence Nightingale
  - suffering humanity
  - Nursing profession
  - society
- Where have the days of florence Nightingale gone:
  - lost in the air
  - is a memory of the past
  - died with florence Nightingale
  - throughout the world

- Why did the nourishing profession gain respect:
  - for serving sick people
  - for becoming known all over the world
  - for looking after the people
  - for providing service to the people
- "Suffering Humanity" refers to:
  - masculine
  - feminine
  - human being
  - living being
- What is the nursing profession about:
  - caring for the society
  - caring for the ill people
  - caring for children
  - pretender to medical profession

### Preposition

- It's Gopal's birthday sometime ..... middle of May, I think Yes, it's his birthday ..... the 21.
  - at...on
  - in...on
  - in ...at
  - at...in
- I told him that he couldn't hope to catch a fish ..... a small rod like that, but he insisted ..... trying.
  - with .. on
  - by ... about
  - with ... about
  - by ... on
- ..... whom were you waiting ?
  - At
  - To
  - With
  - By
- Show me what you're got.....
  - at
  - in
  - on
  - to
- He shouted ..... me
  - to
  - in
  - at
  - on
- We arrived ..... the morning of sixth.
  - at
  - in
  - before
  - on
- Most people work ..... nine to ten.
  - from
  - before
  - since
  - for
- Bake it ..... two hours.
  - for
  - since
  - at
  - by
- Let's start now and work ..... dark.
  - for
  - till
  - after
  - before

17. When are you coming back ..... Kathmandu?  
 (a) on (b) at (c) to (d) in
18. The house is ..... fire.  
 (a) in (b) on (c) on (d) to
19. There is a bridge ..... the river.  
 (a) over (b) about (c) up (d) near
20. She put the letter ..... the pillow.  
 (a) below (b) under (c) beneath (d) behind
21. I'm fond ..... eating chocolates.  
 (a) at (b) in (c) on (d) of
22. I used ..... smoke when I was young.  
 (a) too (b) to (c) of (d) for
23. Do you believe ..... hosts?  
 (a) in (b) at (c) on (d) with
24. I owe ... you  
 (a) to (b) for (c) for (d) sin
25. He is known .... me  
 (a) for (b) about (c) off (d) to
26. She is a ..... girl.  
 (a) quite (b) quiet (c) quit (d) quiet
27. Fill ..... the blanks  
 (a) in (b) over (c) on (d) off
28. I am afraid ..... dog  
 (a) off (b) of (c) to (d) to
29. Keep ..... visiting us  
 (a) on (b) in (c) to (d) over
30. Two and two... four  
 (a) makes (b) make (c) made (d) marking
31. I come ..... the bridge  
 (a) from (b) through (c) across (d) on
32. He met ..... terrible accident  
 (a) a (b) an (c) in (d) off
33. Snow fell ..... hills  
 (a) on (b) over (c) in (d) at

34. The baby died ..... cholera.  
 (a) of (b) off (c) from (d) by
35. He works ..... firm.  
 (a) on (b) in (c) at (d) for
36. Why are you laughing ..... me?  
 (a) upon (b) with (c) at (d) on
37. They have been living there ..... six months.  
 (a) over (b) from (c) since (d) for
38. Women are very fond ..... ornaments.  
 (a) on (b) with (c) of (d) off
39. The baby was ..... the arm.  
 (a) on (b) in (c) with (d) off
40. He cut it ..... a knife.  
 (a) with (b) by (c) from (d) with
41. I like a person ..... good behavior.  
 (a) in (b) with (c) of (d) on
42. There is a stream ..... the village.  
 (a) in (b) with (c) near (d) behind
43. Have you ever been ..... Pokhara?  
 (a) in (b) on (c) at (d) to
44. He ..... the book on the bench yesterday.  
 (a) put (b) putting (c) has put (d) puts
45. I always .... my work.  
 (a) do (b) did (c) does (d) doing
46. I've already ..... rice  
 (a) eating (b) eats (c) ate (d) eaten
47. I saw him ..... along the road.  
 (a) walk (b) walking (c) walked (d) walks
48. Has he ..... his duty.  
 (a) complete (b) completed  
 (c) completing (d) completes
49. Right now, I .....  
 (a) am busy (b) was busy  
 (c) has busy (d) had busy

50. It ... Tomorrow  
(a) shall rain (b) must rain  
(c) may rain (d) rained
51. What ..... he do?  
(a) does (b) do (c) is (d) was
52. She ..... me more than herself.  
(a) loves (b) love (c) loved (d) has loved
53. Deepi prepared a ..... application.  
(a) draught (b) drug (c) drift (d) draft
54. I prepared in my final ..... last summer.  
(a) account (b) interview (c) test (d) exam
55. Mr. kharel works in a business.....  
(a) farmer (b) from (c) farm (d) firm
56. The ..... couldn't pay the rent for room.  
(a) worker (b) businessman (c) tenant (d) firm
57. .... of you should pay money.  
(a) Many (b) Every (c) Each (d) Somebody
58. She ..... a bath right now.  
(a) has (b) have (c) each (d) took
59. She can't ..... well.  
(a) listen (b) understand (c) hear (d) known
60. The teacher ..... an exam of us.  
(a) took (b) attended (c) gave (d) conducted
61. I did this work.....  
(a) my self (b) themselves  
(c) itself (d) ourself
62. She writes letter .....  
(a) myself (b) themselves  
(c) itself (d) herself
63. The machine works.....  
(a) itself (b) themselves (c) himself (d) herself
64. They constructed a bridge .....

- (a) ourself (b) themselves (c) himself (d) myself
65. Ram and Sanjaya won race .....  
(a) itself (b) themselves (c) ourself (d) himself

### Spelling

66. What is the synonym of starter ?  
a. beginner b. begineer c. beginner d. begener
67. We can have the word  
a. likeable b. likable c. likiable d. likable
68. What is correct to mean ' achieve ' ?  
a. fullfil b. fulfilled c. fullfil d. fulfil
69. .... means to feel sure of the truth of something.  
a. Belive b. Beleive c. Believe d. Bileive
70. He is a ..... nice boy.  
a. quite b. quete c. quiet d. quietly
71. He ' s suffered from .....  
a. Pneumonia b. Pneumania c. Pieunomia d. Neomonio
72. Cancer is a fatal .....  
a. disease b. desease c. desiase d. disisas
73. .... is communicable disese.  
(a) Kolera b. cholera c. cholara d. Koholera
74. He is a .....  
(a) gianecologist (b) gainaecologist.  
(c) Gyanecologist (d) gynaicologist.
75. I enjoyed ..... exotic scene.  
(a) to see (b) seeing (c) saw (d) see
76. Would you mind not .....  
(a) to smoke (b) smoking (c) smoke (d) smoks
78. He advised how ..... in river.  
(a) to try (b) trying (c) try (d) tried
79. He gave up ..... wine.  
(a) drink (b) drinking (c) drunk (d) drank
80. Hari drinks coffee .....  
(a) doesn't he ? (b) don't he ?

- (c) didn't he? (d) is he?
81. All play now,.....  
 (a) didn't they? (b) don't they  
 (c) aren't they? (d) do they?
82. Ram has a swim daily .....  
 (a) hasn't he? (b) don't he?  
 (c) isn't he? (d) is he?
83. I am a boy, .....  
 (a) aren't I? (b) amn't I?  
 (c) am I? (d) do I ?
84. You used to play .....  
 (a) did you? (b) aren't I?  
 (c) weren't you (d) didn't you
85. It is an ..... task.  
 (a) most important (b)less important  
 (c)more important (b)important
86. Rama is ..... than Rima.  
 (a) as beautiful (b) most beautiful  
 (c) more beautiful (d) beautiful
87. Kathmandu is a ..... populated city.  
 (a) more densly (b) most densly  
 (c) densly (d) less densly
88. Mt. Everest is the peak ..... in the world.  
 (a) high (b) higher (c) highest (d) tall.
89. Ram is as ..... as sanu.  
 (a) fat (b) fatter (c) fattest (d) better
90. Principal means:  
 (a) Head sir (b) Theory (c) Politics (d) Leader
91. Practice is .....  
 (a) Verb (b) noun (c) adjective (d) adverb
92. Diary means:  
 (a) Note-book (b) milk (c) paper (d) book
93. Exaggerate means:  
 (a) say lie (b) talk more than reality

- (c) talkative (d) jokes.
94. Pile of snow means:  
 (a) heap of snow (b) river of snow  
 (b) snowfall (d) Ocean of snow.

### Verbs / Terms

95. I ..... at the university for 2 years now  
 (a) worked (b) am working  
 (c) have worked (d) had worked
96. When ..... you get here then?  
 (a) did (b) do (c) had (d) here
97. I met a lot of people while I ..... in Lalitpur.  
 (a) was working (b) have been working  
 (c) had worked (d) had been working
98. Cats ..... milk.  
 (a) drinking (b) drinks (c) drink (d) are drinking
99. When you open the door a light ..... on.  
 (a) go (b) will (c) is going (d) goes
100. We leave Ratna park at 10.00 and ..... Sanepa at 10.30.  
 (a) Will be arriving (b) arrive  
 (c) Will be arriving (c) are arriving
101. from 4 to 6 sharmil ..... the car yesterday  
 (a) had washed (b) had been washing  
 (c) was washing (d) washed
102. Sunil..... a bad crash.(He' s probably out of hospital now)  
 (a) had (b) has had (c) have (d) has
103. I'm sorry I'm late ..... for long?  
 (a) Did you wait (b) were you wating  
 (c) have you been waiting (d) Are you wating
104. Before we ..... our meal he ordered us back work.  
 (a) have finished (b) were finishing  
 (c) Finished (d) finishing
105. It was now six and he was tired because he ..... for long.  
 (a) had been working. (b) was working

- (c) has working (d) has been working
106. The phone is ringing. I ..... It.  
(a) answer (b) am answering  
(c) am going to answer (d) will answer
107. I ..... him tomorrow.  
(a) am seeing (b) will see  
(c) am going to (d) see
108. Look at the clouds, it .....  
(a) will rain (b) is raining  
(c) is going to rain (d) rains
109. I'm sure he ..... back.  
(a) will come (b) is coming  
(c) comes (d) is going to come
110. If it ..... raining, we can go now.  
(a) will stop (b) stopped  
(c) is going to stop (d) stops
111. If you ..... again you would succeed.  
(a) tried (b) had tried  
(c) were trying (d) had been trying
112. If you ..... ice it turns into water.  
(a) are heating (b) will heat  
(c) heat (d) are going to heat
113. If we had had found him earlier we ..... his life.  
(a) could have saved (b) could saved  
(c) could have been saved (d) can save
114. We wish you ..... said it.  
(a) didn't (b) hadn't (c) haven't (d) haven't had
115. His plan is ..... secret.  
(a) to be keeping (b) to be doing  
(c) to keep (d) to be kept
116. She agreed ..... Rs. 30.  
(a) to be paying (b) paying  
(c) to pay (d) being paid
117. I heard him ..... the door.

- (a) locking (b) to lock  
(c) to have locked (d) lock
118. I'm looking forward ..... him.  
(a) meeting (b) to meet  
(c) to be meeting (d) to have met
119. He is used ..... at night.  
(a) work (b) to working  
(c) to be working (d) to have worked
120. I don't mind ..... here.  
(a) to live (b) living (c) to be living (d) being left
121. He ..... to cycling.  
(a) had preferred (b) likes (c) went (d) heated
122. Shyam would ..... read then talk.  
(a) rather (b) prefer (c) love (d) hate
123. Ability is :  
(a) noun (b) adjective (c) adverb (d) verb
124. beautify is :  
(a) adjective (b) adverb (c) verb (d) noun
125. certain is :  
(a) verb (b) noun (c) adverb (d) deepen
126. Verb of ditch is: .....  
(a) ditch (b) dig (c) deep (d) deepen
127. happy ..... of happiness:  
(a) noun (b) verb (c) adjective (d) adverb
128. noun of being is :  
(a) began (b) begun (c) beginning (d) begins
129. sight is noun of:  
(a) see (b) saw (c) seen (d) seeing
130. ambitious is ..... of ambition.  
(a) noun (b) adjective (c) adverb (d) verb
131. advice is .....  
(a) verb (b) noun (c) adjective (d) adverb
132. dear is .....  
(a) verb (b) adjective (c) adverb (d) noun

**Give the antonyms for the following words**

133. beautiful  
(a) plump (b) dark (c) sexy (d) ugly
134. able  
(a) lazy (b) coward (c) unable (d) awkward
135. brave  
(a) greedy (b) policeman (c) army officer (d) coward
136. odd  
(a) ordinary (b) big (c) great (d) add
137. private  
(a) Governmental (b) public  
(c) personal (d) individual
138. certain  
(a) limit (b) barrier (c) unlimit (d) uncertain
139. ability  
(a) capacity (b) inability (c) enability (d) disability
140. complete  
(a) remaining (b) discomplete (c) continue (d) disability
141. moral  
(a) non-moral (b) dis-moral  
(c) immoral (d) None of the above

**Tick the correct synonyms of the following words.**

142. Worthless  
(a) valuable (b) dear (c) valueless (d) expensive
143. permanent  
(a) forever (b) temporary  
(c) short lasting (d) never dying
144. Imitate  
(a) duplicate (b) copy (c) cosmetic (d) steal.
145. abandon  
(a) permit (b) limit (c) hold (d) forsake
146. horror  
(a) grief (b) terror (c) hinder (d) magnificent

147. influence  
(a) incredible (b) issue (c) effect (d) horror
148. jewelry  
(a) money (b) gold (c) diamond (d) ornament

**Fill in the blanks.**

149. He walks as ..... as me .  
(a) fast (b) faster (c) fastest (d) fastest of all
150. He works in a school, he is a.....  
(a) Businessman (b) principle (c) teacher (d) doctor
151. Ram ..... me more than Sita.  
(a) loving (b) loved (c) loves (d) is loved
152. .... has been working here since 1995  
(a) Ram and Shyam (b) Girls (c) Roshan (d) they
153. It's ..... raining heavily.  
(a) still (b) yet (c) already (d) ago
154. It has been raining heavily ..... morning .  
(a) until (b) yet (c) for (d) since
155. Did you meet him at party .....
- (a) tomorrow (b) yesterday (c) everyday (d) today
156. I visited Pashupatinath last year, is ..... tense.  
(a) present (b) past  
(c) present perfect (d) continuous
157. Hard working  
(a) lazy (b) idle (c) labourious (d) active
158. increase  
(a) decrease (b) grow (c) loss (d) produce
159. hero  
(a) bold (b) kind (c) important (d) villain

**Tick the correct syllable of the following words.**

160. The word education has  
(a) one (b) two (c) three (d) four
161. The word "empty" has  
(a) three (b) two (c) one (d) four

162. "communication " has  
(a) four (b) three (c) five (d) two
163. "accident " has  
(a) one (b) two (c) four (d) three
164. "wonderful" has  
(a) one (b) three (c) two (d) four
165. "about " has  
(a) four (b) two (c) one (d) four
166. "actual" has  
(a) two (b) three (c) five (d) four
167. "Britain" has  
(a) four (b) three (c) two (d) one
168. "comparison" has  
(a) three (b) five (c) two (d) four
169. "duplicate" has  
(a) two (b) three (c) four (d) one
170. A man who sails boat is called a .....  
(a) crew (b) captain (c) sailor (d) driver
171. I always go to school .....  
(a) on foot (b) on taxi (c) into van (d) by foot.
172. The word inaccessible means  
(a) very remote place (b) near place  
(c) hill place (d) plain area
173. He is standing ..... gate  
(a) at (b) in (c) into (d) under
174. I love you very much, I am your .....  
(a) enemy (b) friend (c) father (d) lover
175. Passive voice of 'I eat ' is .....  
(a) Rice can be eaten by me.  
(b) Rice is eaten by me.  
(c) Rice has been eaten by me.  
(d) Rice may be eaten by me.
176. The word 'education' has three syllable and stress falls in .... syllable.  
(a) first (b) third (c) second (d) four

177. He works in Pharmacy, he is a ....  
(a) chemist (b) doctor (c) pharmacist (d) nurse
178. Steam engine was invented by .....  
(a) Diamlar (b) Right brothers  
(c) James Watt (d) Louis Pasteur
179. Gopal Bahadur Ghale was a .....  
(a) Story teller (b) jokes teller  
(c) farmer (d) liar
180. I heard he is an ..... man  
(a) Intelligent (b) honest  
(c) good (d) ugly
181. The word 'ancestor' means .....  
(a) fore father (b) monkey  
(c) blood (d) homosapins iens
182. The negative of 'he has a pen' is .....  
(a) He doesn't have a pen. (b) He don't have a pen  
(c) he hadn't a pen. (d) He has not a pen.
183. We were twenty ..... all.  
(a) at (b) total (c) in (d) together
184. I always visit new place ..... weekend  
(a) at (b) in (c) on (d) every
185. The word 'photo synthesis' is related with ....  
(a) earth warm (b) man (c) plant (d) root
186. I attend entrance examination,.....  
(a) don't I? (b) didn't ? (c) Haven't you? (d) did you?
187. Somebody's waste time .... others have no leisure.  
(a) When (b) then (c) While (d) that time .
188. .... he comes I shall ring  
(a) when (b) while (c) then (d) 6 o'clock
189. Ram and Hari ..... working yesterday.  
(a) are (b) is (c) was (d) were
190. I waited you for a long time but I ..... meet you  
(a) can not (b) was not (c) couldn't (d) hadn't
191. The tiger suddenly pounced ..... Gopal

- (a) over (b) upon (c) couldn't (d) hadn't
192. My father ..... me once a day  
(a) advice (c) advise (c) advises (d) advices
193. There is vast..... between you and brother.  
(a) difference (b) differences  
(c) different (d) no difference
194. If she were afforded the job .... take, it  
(a) She was (b) she'd (c) she is (d) she won't
195. The word delighted means .....  
(a) happy (b) made light  
(c) electricity (d) day light
196. He is interested in .....  
(a) science (b) since (d) scene (d) sense
197. He is an .....  
(a) engineer (b) engineer (c) engeneer (d) engineer.
198. The goat was walking ..... jungle  
(a) thorough (b) through (c) throught (d) though
199. I' ve gained good ..... in teaching.  
(a) experience (b) experinece (c) exprence (d) expreence
200. He bought a beautiful ..... yesterday  
(a) wash (b) wach (c) watch (d) was
201. He is fond .... singing English songs.  
(a) up (b) off (c) of (d) in
202. I always meet him ..... 2 o'clock.  
(a) in (b) on (c) at (d) in
203. I found man in ..... earth.  
(a) an (b) at (c) the (d) over
204. Decision is noun of .....  
(a) decide (b) dismiss (c) decision (d) deduction

**Answer the correct preposition.**

205. A man is ..... the van.  
(a) on (b) over (c) in (d) out
206. A fox sat ..... an ox .

- (a) off (b) in (c) of (d) on
207. He goes to office ..... ten AM  
(a) till (b) on (c) at (d) in
208. Today we can travel ..... plane  
(a) in (b) out (c) from (d) by
209. I am writing on copy ..... new pen  
(a) without (b) within (c) by (d) with
210. Who is standing ..... the corner  
(a) in (b) on (c) at (d) between
211. Yesterday I went ..... Ram's house.  
(a) to (b) the (c) in (d) by
212. A swimmer must keep his head ..... the surface.  
(a) above (b) over (c) under (d) down
213. I have been living in Kathmandu ..... ten years.  
(a) since (b) for (c) from (d) to
214. Rabi was swimming ..... the river.  
(a) in (b) into (c) at (d) through

**Tick the correct answer.**

215. Kind means:  
(a) Greedy (b) thief (c) helpful (d) generous
216. The opposite of word of rich is :  
(a) begger (b) worker (c) foor (d) sick
217. My father ..... to London last year.  
(a) go (b) went (c) gone (d) going
218. My servant .... the floor everyday.  
(a) sweep (b) sweeps (c) swept (d) sweepsd
219. Ram ..... not come here yesterday.  
(a) does (b) do (c) did (d) doing
220. Heri does not ..... rice.  
(a) eat (b) it (c) eaten (d) eates
221. Rita ..... a new pen.  
(a) is (b) have (c) had (d) has
222. Don't call me I ..... eating now.



- (a) is (b) was (c) are (d) am
223. Ram and Gita ..... talking each other.  
(a) am (b) are (c) were (d) was
224. The sun ..... in the east  
(a) rises (b) rising (c) risen (d) artical
225. the word Elephant is .....
- (a) verb (b) adverb (c) pronoun (d) noun
226. Ganses is the ..... of Madhuri.  
(a) sum (b) son (c) soon (d) children
227. My house is ..... than Ram's  
(a) smeller (c) smaller (c) small (d) smallest
228. Pokhara is ..... than Kathmandu  
(a) father (b) for (c) farer (d) further
229. White house is ..... America  
(a) in (b) ate (c) at (d) outside
230. Yesterday, Ram .... a bird.  
(a) kill (b) die (c) killed (d) died
231. The Rocket ..... into the sky  
(a) raise (b) rise (c) raised (d) rose
232. The dog ..... its head to look at his master.  
(a) turn (b) turned (c) shake (d) shook
233. These babies are really....  
(a) died (b) die (c) dead (d) deed
234. Rita ten pens for two books.  
(a) change (b) changed (c) exchange (d) exchanged
235. He knows as Ram,.....  
(a) to (b) for (c) two (d) too
236. I have a pen .... My pocket.  
(a) inside (b) into (c) in (d) within
237. We have ..... the king  
(a) sin (b) seen (c) shown (d) seed
238. I..... bread everyday.  
(a) eats (b) its (c) ate (d) eat
239. Heavy rain ..... all over the world yesterday.

- (a) dropped (b) fell (c) falled (d) dropped
240. The word sick means  
(a) bad (b) ell (c) ill (d) weak
241. The meaning of age is .....
- (a) as (b) edge (c) old (d) era
242. She is an ..... girl.  
(a) European (b) U.S.A's (c) American (d) Japanese
243. See, that is an .....
- (a) Union's office (b) Government office  
(c) Indian office (d) European office
244. We found an umbrella ..... umbrella was on the wall.  
(a) the (b) thee (c) an (d) a
245. Mound Everest is ..... highest peak of the world.  
(a) a (b) an (c) and (d) the
246. .... Tribhuwan park is one of the famous park of Nepal  
(a) a (b) an (c) the (d) on
247. My father doesn't have ..... money.  
(a) maney (b) this (c) much (d) a
248. I would like .... suger on my plate  
(a) that (b) these (c) a few (d) a little
249. This is ..... information to learn.  
(a) too many (b) too much  
(c) two much (d) to many
250. Ram brought .... water.  
(a) this (b) these (c) an (d) a
251. .... is the v3 of verb leave.  
(a) leaved (b) left (c) leaving (d) leaves
252. Cut is v1, ..... is v3 of cut.  
(a) cutted (b) cuts (c) cutting (d) cut
253. Buying is ..... of buy.  
(a) v<sub>2</sub> (b) v<sub>3</sub> (c) v<sub>4</sub> (d) v<sub>5</sub>
254. I don't have the money, ..... I really need the computer  
(a) at (b) ate (c) yet (d) yatch
255. I have been living in kathmandu ..... ten years.

- (a) since (b) for (c) from (d) to
256. I have been working in the field ..... 1975
- (a) since (b) for (c) from (d) to
257. I have ..... written our report.
- (a) All ready (b) already (c) still (d) yet
258. The ..... of birds is circling overhead.
- (a) flock (b) school (c) herd (d) fleet
259. The herd of cattle ..... breaking
- (a) is (b) are (c) am (d) have
260. Five miles ..... too much to run in one day.
- (a) have (b) has (c) are (d) is
261. Neither Ram nor hari ..... me.
- (a) helps (b) hilps (c) has helping (d) am helping
262. A pack of wild dogs ..... frightened all the duck away.
- (a) have (b) has (c) is (d) are
263. Ram called ..... on the telephone.
- (a) I (b) he (c) we (d) us
264. This is Gita's pen and that is .....
- (a) mine pen (b) mine (c) of my pen (d) my's
265. It is my book and that is .....
- (a) of you (b) of your  
(c) your's book (d) your's
266. .... is going to New York on vacation.
- (a) Him (b) We (c) That (d) He
267. We enjoyed ..... movies
- (a) watch (b) watched  
(c) watching (d) look
268. I am afraid of ..... married now
- (a) getting (b) got (c) gets (d) gotton
269. He is fond of ..... flute
- (a) played (b) plays (c) playing (d) has played
270. Suresh is depened ..... his brothers.
- (a) on (b) in (c) at (d) over
271. John is not capable of ..... the predicament

- (a) understands (b) understood  
(c) understanded (d) understanding
272. The judge ordered me ..... appear in court.
- (a) for (b) to (c) in (d) too
273. Susan is in need of money, means.....
- (a) Susan is needing money (b) Susan needed money  
(c) Susan needs money (d) Susan was needing money
274. .... you seen this movie before
- (a) did (b) do (c) can (d) have
275. There are 31 days in Shrawan ..... ?
- (a) is it? (b) are there? (c) aren't there? (d) weren't there?
276. You wont't leaving for another hour, .....?
- (a) shouldn't you ? (b) would you ?  
(c) will you ? (d) willn't you ?
277. I have five pens; ....?
- (a) haven't I? (b) don't I?  
(c) havent you? (d) don't you?
278. She has an exam tomorrow,.....?
- (a) doesn't (b) haven't she?  
(c) won't see (d) hasn't she?
279. We've seen that movie ,
- (a) don't we ...? (b) doesn't we ...?  
(c) haven't we .... ? (d) hasn't we....?
280. Janak rarely comes to class on time,
- (a) janak usually doesn't come to class on time  
(b) janak never comes to class on time  
(c) sometimes comes to class on time  
(d) janak always comes on time.
281. The word revenge means :
- (a) purpose-full harm to somebody (b) dangerous attack  
(b) damage totally (d) war
282. The quality of mangoes .... Rs 900d.
- (a) are (b) were (c)was (d) have
283. He and I ..... sleeping in bed.

- (a) were (b) was (c) is (d) have
284. Bread and butter ..... his only food.  
(d) are (b) were (c) is (d) has
285. English as well as french ..... thought there.  
(a) have (b) were (c) was (d) are
286. Neither of the two boys ..... very strong.  
(a) was (b) were (c) is (d) has
287. The means employed by you ..... sufficient.  
(a) is (b) are (c) have (d) have been
288. In reported speech the adverb 'now' is changed to ....  
(a) than (b) then (c) next (d) age
289. The driver of the car was ..... injured.  
(a) serious (b) more serious  
(c) seriously (d) less seriously
290. please be quiet In this sentence, the word 'quiet' refers to .....  
(a) adjective (b) noun  
(c) adverb (d) conjection
291. All the mines and materials of the earth .. finished by 2001A.D  
(a) shall (b) will have been  
(c) will have (d) will

### Indirect Speech

292. He said (to, if, that, What) Sarala might ring that day.
293. If I were You, I'd wait, I (ordered, wished, begged, said)
294. He (Said, said to, told, tell) us that he would be back soon.
295. He asked (if, that, to, what) she would be there the next day.
296. I told the boys(do not, if not, do not, not to)swim out too far.
297. He said that he would do it (tommarow,the previous day, that day, the next day.)
298. He asked we where (was he, is he, he was , he is ) going.
299. He asked where he .....  
a. lives (b) lived (c) is living (d) has lived
300. The active voice of the sentence "Tigers are disappearing"  
(a) Tigers were being disappearing  
(b) Tigers are being disappeared

- (c) Tigers has been disappeared  
(d) Tigers are not being disappeared
301. The job is ...., which one is correct,  
(a) boring (b) interesting (c) tiring (d) all are correct
302. He's enjoying very much means:  
(a) He was enjoying very much  
(c) He is enjoying very much  
(c) He has enjoying very much  
(d) His enjoying very much

### Tense

303. Shohan ..... just a few minutes ago.  
a. left (b) has left  
c. leaves (d) had left
304. Tulsi Ghimire ..... about 20films and I think his latest is the best.  
a. made (b) had made  
c. has made (d) was making
305. .... Keshav latey?  
a. Have you seen (b) Did you see  
c. Do you see (d) Are you seeing
306. When I was child ..... the guitar.  
a. I was playing (b) I had played  
c. I played (d) I used to play
307. Sorry we're late,we ..... the wrong turning.  
a. had taken (b) were taking  
c. took (d) are taking
308. Wait here until I ..... you  
a. will call (b) am calling  
c. am going to call (d) call
309. Next year I ..... him for 15 years.  
a. know (b) will have known  
c. am knowing (d) will have been knowing
310. Do you still remember the day we first .....  
a. met (b) meet (c) meeting (d) was met

311. Every seat in the hall .... taken .  
 (a) are (b) were (c) was (d) have
312. We .... listen to the radio.  
 (a) all are right (b) some times  
 (c) always (d) often
313. The negative of 'barking dog always bites' is:  
 (a) barking dog often bites.  
 (b) barking dog seldom bites  
 (c) barking dogs usually bites  
 (d) barking dogs frequently bites
314. 'Please don't make so much noise,  
 (a) I am working (b) I work  
 (c) I worked (d) I have worked
315. Everything is going well. We ... any problem so far.  
 (a) didn't have (b) don't have  
 (c) hadn't have (d) haven't had
316. Margaret ..... to work yesterday. she wasn't feeling well  
 (a) didn't go (b) has not gone  
 (c) doesn't go (d) wasn't gone
317. There are ..... stops (punctuation marks) in English Grammar.  
 (a) four (b) eight (c) fourteen (d) eighteen
318. He knocked at the door there was no reply which punctuation mark is left here.  
 (a) inverted commas (b) colon  
 (c) full stop (d) hyphen
319. The possessive usually of pronoun 'I' is,  
 (a) me (b) mine (c) my (d) myself
320. Wh-question usually have .... tone  
 (a) rising (b) falling  
 (c) falling-rising (d) rising-falling
321. Yes/no question usually have ... tone  
 (a) rising + falling (b) falling  
 (c) rising (d) fall-rise
322. What is your name? is .... question.

- (a) wh (b) yes/no (c) why (d) how
323. He did not bring parcel is negative form of ....  
 (a) he brings parcel (b) he brought parcel  
 (b) he bought parcel (d) he has brought parcel
324. The word pretty means :  
 (a) nice (b) small (c) exciting (d) shining
325. I am sorry I can't come as I have an appointment ..... Thursday at 2:30.  
 (a) From (b) to (c) on (d) till
326. Thursday comes..... Wednesday and Friday.  
 (a) after (b) upon (c) between (d) among
327. The word 'there' refers to,  
 (a) place (b) motion (c) time (d) manner
328. The word 'whence' refers to,  
 (a) time (b) manner (c) motion (d) place
329. Mainly there are .... types of sentences in English Grammar.  
 (a) four (b) five (c) two (d) six
330. "Ring the bell" is..... Sentence.  
 (a) imperative (b) interrogative  
 (c) assertive (d) optative
331. .... is an optative sentence.  
 (a) please come to me (b) does he sing  
 (c) Ram drinks tea (d) may our king live long !
332. What is negative interrogative of "does he sleep"?  
 (a) He doesn't sleep (b) doesn't he sleep ?  
 (c) Isn't he sleep? (d) He never sleep.
333. I've been staying in USA ..... 1995.  
 (a) since (b) for (c) still (d) until
334. If I were bird,.....  
 (a) I will fly in the sky (b) I would fly in the sky  
 (c) I can fly in the sky (d) I won't fly in the sky
335. The sky is getting dark,....  
 (a) It may rain soon (b) Till rain soon  
 (c) It would rain soon (d) It might rain soon

**Phrase**

336. Which of the following means I gave to someone/anyone?  
(a) Give up (b) give it (c) give of (d) give away
337. Go to the office and ..... by secretary.  
(a) ask in (b) ask after (c) ask for (d) ask after
338. My computer does not work. It has.....  
a. broken down b. broken out  
c. broken in d. broke off
339. They had to ..... the match as the ground was wet to play on  
a. call out b. call on c. call in d. call off
340. .... or we'll be alone .  
a. come on b. come off  
c. come across d. come out
341. As the enemy advanced, I .....  
a. fell in b. fell on c. fell out d. fell back
342. He's just ..... a bad heard attack.  
a. getting out of b. getting on  
c. getting around d. getting over
343. I must call at the library to ..... this back.  
a. give out b. give away c. give up d. give back
344. Please ..... I can 't work unless I am alone .  
a. go away b. go on c. go ahead d. go off
345. If you ..... for a moment I'll get him for you.  
a. hold off b. hold up c. hold on d. hold back
346. Will you look after make book when I'm away ? Here, look after means  
a. take care of b. hold up c. hold on d. hold back
347. What is meant by 'my up in the folowin sentence 'In the end he made up his mind to go by train?  
a. invent it b. travel towards  
c. end it d. come to decision
348. I have 'run out of' milk . put some lemon in your tea instead. what do you mean by the underlined phrase  
a. over flown b. sold

- c. bought d. none left
349. The Phrase of 'take off in the sentence, the took off his coat when he entered home means  
a. begin's b. leaves c. removes d. keeps
350. Which of the following normally means 'switch on'  
a. turn off b. turn down c. turn up d. turn on
351. Which is not the possible meaning of 'run over'?  
a. drive over accidentally b. over flow  
c. check or revise quickly d. consume
352. Which the following means 'begin'?  
a. set on b. set in c. set off d. set up
353. What if meant by 'wash up ' in the following sentence ?  
When we have dinner very late we don't 'wash up' till the next morning  
a. wash the clothes b. wash the plates  
c. clean the room d. bring water

**Models**

354. You ..... mad if you think I'm going to lend any more money  
a. should be b. are supposed to be  
c. must be d. ought to be
355. Bina ..... leave the hospital only six hour after the baby was born.  
a. was able to b. could  
c. can d. is able to
356. Although he didn't have a ticket he ..... come in  
a. could b. can c. might d. was allowed to
357. The line where the sky seems to meet the earth is known as:  
a. Horizon b. Hill c. Slope d. peak
358. Fall into small pieces.  
(a) damage (b) destory (c) crumble (d) flood
359. Subject for discussion.  
(a) conference (c) meeting (c) logic (d) debate
360. on a ship or aircraft.  
(a) abore (b) abroad (c) aboard (d) cargo
361. Examine to find out :  
(a) experiment (b) search (c) invent (d) examine

362. of the sun :  
 (a) lunar (b) astral (c) lighter (d) solar
363. Against the law.  
 (a) illegal (b) unjust (c) court (d) blackmail
364. Make a sudden attack.  
 (a) pounce (b) attack (c) encounter (d) fight
365. Liked by many people.  
 (a) famous (b) superstar (c) well-know (d) popular
367. Change the appearance.  
 (a) fashion (b) dress (c) disguise (d) dislike
368. He tends me means :  
 (a) looks after (b) hates (c) punishes (d) threatens
369. He talks too much, he is ....  
 (a) talkative (b) active (c) joker (d) speaker
370. Ram knows a little, he is ....  
 (a) foolish (b) illiterate (c) ignorant (d) dull
371. Devkota and Summ lived in the same time, they were .....
- (a) contemporary (b) poet  
 (c) intellectuals (d) enemy
372. Petrol burns and produce heat, it is ...  
 (a) oil (b) engine (c) fuel (d) jet engine
373. My father farms a piece of land, he is a .....
- (a) farmer (b) worker (c) poor (d) JTA
374. Tiger is beautiful in form and movement, it is ... animal.  
 (a) angry (b) dangerous (c) graceful (d) satisfied
375. Ronaldo plays football without taking money, he is .....
- (a) player (b) amature (c) famous (b) African
376. We are common people of Nepal, we are ...  
 (a) villager (b) poor (c) folk (d) people
377. My village is far from kathmandu, it is an .... village.  
 (a) hilly (b) underdeveloped (c) unknown (d) outlying
378. Queen is .... gender.  
 (a) masculine (b) feminine (c) common (d) neuter
379. Book is ..... gender.

- (a) masculine (b) neuter (c) common (d) masculine
380. Poetess is ... gender of poet  
 (a) feminine (b) femal (c) male (d) neuter
381. Faminine gender of bull ..... is  
 (a) bullock (b) cow (c) heifer (d) calf
382. Crowd is ..... gender  
 (a) femine (b) masculine (c) neture (d) common
383. Give the plural of following words.  
 (a) killos (b) kiloes (c) killoes (d) kilos
384. Man  
 (a) people (b) mans (c) two man (d) men
385. Belief  
 (a) beliefs (b) belives (c) belifses (d) belivess
386. Mouse  
 (a) mouses (b) mice (c) mices (d) mouss
387. Calf  
 (a) calves (b) calfs (c) calfses (d) calfess
388. Which is .... objective  
 (a) interrogative (b) quantative  
 (c) of quality (d) distributive
389. Some is ..... adjective  
 (a) interrogative (b) quantitative  
 (c) distributive (d) possive
390. She is a nice girl, has ..... adjective.  
 (a) quantitive (b) interrogative  
 (c) possive (d) qualitative
391. What is ..... adjective  
 (a) distributive (b) interrogative  
 (c) possive (d) qualitative
392. That is .... adjective.  
 (a) demonstrative (b) possive  
 (c) interrogative (d) qualitative
393. I bought a pen ..... picture.  
 (a) Inspite of (b) instead of

- (c) because of (d) therefore
394. He could not join police force ... his poor eye-sight.  
(a) despite of (b) instead of  
(c) because of (d) because
395. Though he is poor ... he is hones.  
(a) but (b) also (c) however (d) yet
396. .... my business I was absent.  
(a) because of (b) because  
(c) although (d) however
397. .... my difficulties I got good marks.  
(a) because of (b) though (c) although (d) however
398. I am sorry correct can't come as I have an appointment..... Thursday.  
(a) from (b) to (c) on (d) till
399. Quack  
(a) skilled doctro (b) highly trained nurse  
(c) scientist (d) pretender to meical profession
400. Quarantine  
(a) together (b) social (c) hospital (d) isolation
401. Agree  
(a) tall (b) accept (c) tear (d) calculate
402. Dual  
(a) single (b) twin (c) doll (d) double
403. Eradicate  
(a) external (b) empty (c) errupt (d) exterminate
404. Illusion  
(a) reference (b) story (c) morbid (d) deception
405. Indispensable  
(a) unnecessary (b) useless  
(c) foreign (d) absolutely necessary
406. Deformed  
(a) abnormal (b) normal (c) congenital (d) hereditary
407. pyrexia  
(a) cold (b) sweat (c) fever (d) numb
408. Unconscious

- (a) senseless (b) aware (c) willing (d) combine
409. Perspiration  
(a) heat (b) cold (c) body (d) sweat
410. Malody  
(a) pills (b) disease (c) body (d) trumble
411. Honour  
(a) honest (b) respect (c) recognize (d) trumble
412. Oath  
(a) destination (b) serious promiss (c) direct (d) weight
413. Nurishment  
(a) number (b) naught (c) nutrition (d) potntial
414. Duty  
(a) honest (b) work (c) officer (d) place
415. potential  
(a) promise (b) possible (c) dstory (d) talk
416. Attitude  
(a) manner (b) desire (c) action (d) feeling
417. Pious  
(a) love (b) devout (c) holy (d) care

### Articles

418. I need .... visa  
(a) a (b) an (c) the (d) this
419. Such .... long quequel  
(a) an (b) a (c) the (d) this
420. .... night there was a terrible storm.  
(a) The (b) A (c) An (d) One
421. This is ..... place were I meet him.  
(a) a (b) an (c) the (d) one
422. This is ..... one way street  
(a) a (b) an (c) the (d) one
423. She is afraid ..... height.  
(a) of (b) at (c) that (d) to
424. I'm anxioius ..... sita.

- (a) to (b) at (c) about (d) of
425. How ..... has he written?  
(a) much (b) more (c) many (d) most
426. She danced .....  
(a) more beautifully (b) beautiful  
(c) many beautifully (d) beautifully
427. He hasn't ..... applied for the job  
(a) yet (b) already (c) just (d) still
428. I'm ..... joking  
(a) yet (b) already (c) still (d) just
429. He has ..... any money  
(a) hardly (b) scarcely (c) barely (d) lonely
430. .... of us has a may now  
(a) All (b) Both (c) Every (d) Each
431. They bought .....  
(a) some (b) any (c) none (d) no
432. I'm afraid I can't help you. You'll have to ask ..... else.  
(a) anyone (b) someone (c) noon (d) nobody
433. .... Height is he ?  
(a) How (b) When (c) What (d) Which
434. I'll be with you in .....  
(a) one quarter of an hour (b) a quarter an hour  
(c) a quarter of one hour (d) a quarter of hours
435. .... arrived for you this morning.  
(a) Furniture (b) A furniture  
(c) some furniture (d) some furnitures

### Conjunctions

436. He has to think of his family ..... he is a married man.  
(a) because (b) so (c) when (d) as
437. .... his poetry, he bought a car.  
(a) In spite of (b) although  
(c) because (d) however
438. He is small ..... strong.

- (a) so (b) but (c) and (d) or
439. He can neither read .... write.  
(a) or (b) and (c) so (d) nor
440. We must be early ..... we don't get a seat.  
(a) otherwise (b) but (c) or (d) hor  
(e) but also

### Numerals

441. The cardinal number '19' is spelt ....  
(a) nineteen (b) nineten (c) ninetein (d) nineteen
442. '713' is normally read as .....  
(a) seven and thirteen (b) seventy one and three  
(c) seven hundred thirteen (d) seven hundred and thirteen
443.  $\frac{3}{5}$  is read  
(a) three fifth (b) three fifths (c) three five (d) 4

### Passive

444. The new computer system ..... next month  
(a) is being installed by people (b) is be installed  
(c) is being installed (d) is been installed
445. Two children ..... to the zoo yesterday  
(a) were taken (b) were be taken  
(c) had taken (d) had been taking

### Reporting

446. I suppose you've heard the latest .....  
(a) news,'said she. (b) news' she said  
(c) news' she said (d) news' said she
447. She ..... her holiday at Nagarkot  
(a) said me about (b) told me about  
(c) told about me (d) told about

### Relative clause

448. She's one of the kindest people  
(a) which I know (b) I know  
(c) who I know (d) that I know



449. One of the people arrested was Binod ..... a member of the executive committee  
(a) is (b) that is (c) whom is (d) who is
450. .... at the party we saw Sharmila standing alone.  
(a) Arrived (b) We arrived  
(c) Arriving (d) We were arriving
451. It's ..... disappointing  
(a) very much (b) very (c) much (d) much very
452. I ..... at 6 o'clock but ..... to be up by five.  
(a) normally get up ..... I have Sometimes  
(b) normally get up ..... sometimes I have  
(c) get normally up ..... sometimes I have  
(d) get normally up ..... I sometimes have

**Agreement**

453. Either the station or the cinema ..... a good place to meet.  
(a) is (b) are (c) has (d) am
454. The fifty rupees he gave me ..... soon spent.  
(a) Were (b) are (c) was (d) am

**Adverb**

455. I had a ..... difficult problem.  
(a) terribly (b) terrible  
(c) more terribly (d) most terrible
456. 'How are you?' 'I'm very ..... thanks.'  
(a) fine (b) ok (c) healthy (d) well

**Answers ;**

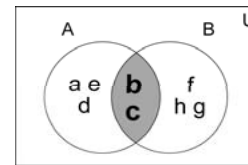
- |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 1. a | 2 b  | 3 c  | 4 b  | 5 a  | 6 c  | 7 b  |
| 8 b  | 9 a  | 10 b | 11 d | 12 c | 13 d | 14 a |
| 15 a | 16 b | 17 c | 18 b | 19 a | 20 b | 21 d |
| 22 b | 23 a | 24 a | 25 d | 26 b | 27 a | 28 b |
| 29 a | 30 b | 31 c | 32 a | 33 a | 34 a | 35 b |
| 36 c | 37 d | 38 c | 39 a | 40 a | 41 b | 42 c |
| 43 d | 44 a | 45 a | 46 d | 47 b | 48 b | 49 a |

- |       |       |       |       |       |       |        |
|-------|-------|-------|-------|-------|-------|--------|
| 50 a  | 51 a  | 52 a  | 53 d  | 54 d  | 55 d  | 56 c   |
| 57 c  | 58 d  | 59 c  | 60 d  | 61 a  | 62 d  | 63 a   |
| 64 b  | 65 b  | 66 c  | 67 a  | 68 d  | 69 c  | 70 c   |
| 71 a  | 72 a  | 73 b  | 74 d  | 75 b  | 76 b  | 77 a   |
| 78 a  | 79 b  | 80 a  | 81 b  | 82 a  | 83 a  | 84 d   |
| 85 d  | 86 c  | 87 c  | 88 c  | 89 a  | 90 a  | 91 b   |
| 92 a  | 93 b  | 94 a  | 95 c  | 96 a  | 97 a  | 98 c   |
| 99 d  | 100 b | 101 c | 102 a | 103 c | 104 c | 105 a  |
| 106 d | 107 a | 108 c | 109 c |       |       |        |
| 110 c | 111 a | 112 c | 113 a | 114 b | 115 c | 116 c  |
| 117 d | 118 a | 119 a | 120 b | 121 b | 122 a | 123 a  |
| 124 c | 125 b | 126 a | 127 c | 128 a | 129 b | 130 b  |
| 131 b | 132 b | 133 d | 134 c | 135 d | 136 a | 137 b  |
| 138 d | 139 b | 140 d | 141 c | 142 c | 143 a | 144 b  |
| 145 d | 146 b | 147 c | 148 d | 149 a | 150 c | 151 c  |
| 152 c | 153 a | 154 a | 155 b | 156 b | 157 c | 158 d  |
| 159 a | 160 c | 161 b | 162 a | 163 b | 164 b | 165 c  |
| 166 a | 167 c | 168 a | 169 b | 170 c | 171 a | 172 a  |
| 173 a | 174 d | 175 c | 176 b | 177 c | 178 c | 179 a  |
| 180 b | 181 a | 182 d | 183 c | 184 a | 185 c | 186 a  |
| 187 c | 188 a | 189 d | 190 c | 191 b | 192 c | 193. a |
| 194 b | 195 a | 196 a | 197 b | 198 b | 199 a | 200 c  |
| 201 c | 202 c | 203 c | 204 a | 205 c | 206 d | 207 c  |
| 208 d | 209 d | 210 a | 211 a | 212 b | 213 b | 214 a  |
| 215 d | 216 c | 217 b | 218 b | 219 c | 220 a | 221 d  |
| 222 d | 223 d | 224 a | 225 d | 226 b | 227 b | 228 a  |
| 229 a | 230 c | 231 d | 232 b | 233 c | 234 b | 235 d  |
| 236 b | 237 b | 238 d | 239 b | 240 c | 241 d | 242 c  |
| 243 c | 244 a | 245 d | 246 c | 247 c | 248 d | 249 b  |
| 250 a | 251 b | 252 d | 253 c | 254 c | 255 b | 256 a  |
| 257 b | 258 a | 259 a | 260 d | 261 a | 262 b | 263 d  |
| 264 b | 265 d | 266 d | 267 c | 268 a | 269 c | 270 a  |
| 271 d | 272 b | 273 c | 274 d | 275 c | 276 c | 277 a  |
| 278 b | 279 c | 280 a | 281 a | 282 c | 283 a | 284 a  |

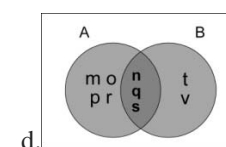
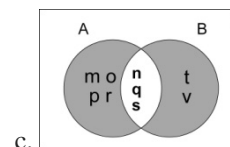
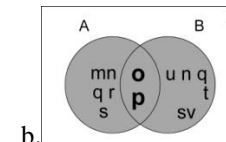
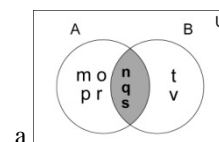
285 d	286 a	287 a	288 b	289 c	290 b	291 b
292 that	293. said	294. told	295. if	296 not to	297 the next day	
298 he was	299 b	300 b	301 d	302 b	303 a	304 c
305 a	306 d	307 c	308 d	309 b	310 a	311 c
312 a	313 b	314 a	315 b	316 a	317 d	318 c
319 b	320 b	321 c	322 a	323 b	324 a	325 c
326 c	327 a	328 a	329 c	330 a	331 d	332 b
333 a	334 b	335 a	336 d	337 c	338 a	339 d
340 a	341 d	342 d	343 d	344 a	345 c	346 a
347 d	348 d	349 c	350 d	351 d	352 b	353 b
354 a	355 d	356 a	357 a	358 c	359 c	360 c
361 a	362 d	363 a	364 a	365 d	366 c	367 c
368 a	369 a	370 c	371 a	372 c	373 a	374 c
375 b	376 a	377 b	378 b	379 b	380 b	381 c
382 c	383 d	384 d	385 a	386 b	387 a	388 a
389 b	390 d	391 b	392 a	393 b	394 c	395 d
396 a	397 c	398 c	399 d	400 d	401 b	402 d
403 d	404 c	405 d	406 a	407 c	408 a	409 d
410 d	411 d	412 b	413 c	414 b	415 b	416 d
417 d	418 a	419 b	420 d	421 c	422 a	423 a
424 c	425 a	426 d	427 a	428 d	429 a	430 d
431 a	432 b	433 a	434 b	435 d	436 a	437 a
438 b	439 d	440 d	441 d	442 c	443 b	444 c
445 a	446 d	447 b	448 a	449 d	450 c	451 b
452 b	453 a	454 c	455 a	456 d		

# Mathematics

- In set theory what does  $\cup$  symbolises?
  - Union
  - Intersection
  - Difference
  - Subset
- In Figure what indicates {b, c}?

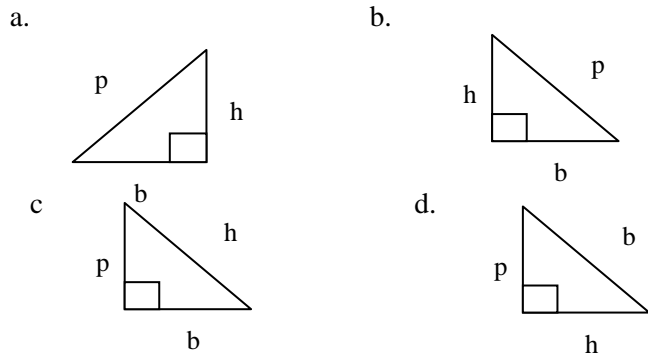


- $A \cup B$
  - $A \cap B$
  - $A \subset B$
  - $A - B$
- If  $A = \{2, 5, 6, 8, 25\}$  and  $B = \{1, 2, 8, 10, 12, 24, 25, 30\}$ , find  $A - B$ 
    - $\{2, 6, 8\}$
    - $\{1, 10, 12, 24, 30\}$
    - $\{5, 6\}$
    - $\{5, 10, 30\}$
  - In set theory null or empty set is denoted by
    - $\cup$
    - $\in$
    - A
    - $\phi$
  - $A = \{\text{Ram, Shyam, Gita, Rita, Hari}\}$  &  $B = \{\text{Rita, Shyam, Gobinda, Parkash, Binod}\}$   
 $A \cap B = ?$ 
    - $\{\text{Shyam, Rita}\}$
    - $\{\text{Ram, Gita, Hari}\}$
    - $\{\text{Gobinda, Parkash, Binod}\}$
    - All of the above
  - If  $A = (m, n, o, p, q, r, s)$  &  $B = (n, q, s, t, v)$  represent  $A \cup B$  by venn diagram.

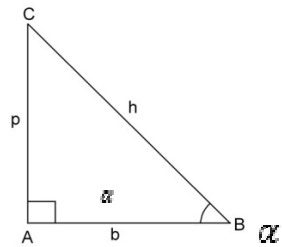


7. If  $P = (a,b,c,d)$ ,  $Q = (e,b,f)$  and  $R = (h,i,e,b)$ ,  
 i)  $(P \cap R) \subset Q$                       ii)  $(Q \cap R) \subset P$   
 in above statements,  
 a. (i) is correct                      b. (ii) is correct  
 c. (i) and (ii) both correct                      d. both incorrect
8. If  $A \& B$  are two sets & their intersection is  $A \cap B$ ,  
 a.  $(A \cap B) \subset A$                       b.  $(A \cap B) \subset B$   
 c. both correct                      d. both incorrect.
9. In first unit test of class 9 if 75% students passed in mathematics & 65% passed in science, then how many students (%) passed in both subject ?  
 a. 40%                      b. 50%                      c. 100%                      d. 42%

10. Which of the following figures is correct ?

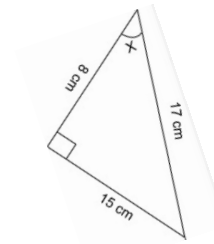


11. In a right angled triangle if  $\angle ABC = \alpha$ ,  $AB = b$ ,  $AC = P$  &  $BC = h$ , find  $\tan \alpha$  &  $\cos \alpha$ .



- a.  $\frac{p}{h}$  &  $\frac{p}{b}$                       b.  $\frac{p}{b}$  &  $\frac{p}{h}$                       c.  $\frac{b}{h}$  &  $\frac{p}{b}$                       d.  $\frac{p}{b}$  &  $\frac{b}{h}$

12. Find the value of  $\tan x$  in the following triangle.



- a. 1.88 cm                      b. 10.88 cm                      c. 1.13 cm                      d. 2.125 cm
13. What is the value of  $\tan 45^\circ$ .  
 a. 0.5                      b.  $\frac{\sqrt{3}}{2}$                       c. 1                      d.  $\sqrt{3}$
14. Find the value of  $\sin 60^\circ$ .  
 a.  $\frac{1}{2}$                       b.  $\frac{\sqrt{3}}{2}$                       c.  $\sqrt{\frac{1}{2}}$                       d. 0
15. Find the value of  $\cos 30^\circ$ .  
 a.  $\frac{1}{2}$                       b.  $\frac{\sqrt{3}}{2}$                       c.  $\sqrt{\frac{1}{2}}$                       d. 0
16. Find the value of  $\sin 45^\circ \times 2\cos 45^\circ$   
 a.  $\frac{2}{\sqrt{2}}$                       b.  $2\sqrt{3}$                       c. 1                      d.  $\frac{1}{2}$
17. Find the mean of the series 10, 12, 6, 7, 8, 9, 11.  
 a. 7                      b. 8                      c. 9                      d. 7.5
18. What do you call the most repeated number in a data ?  
 a. Mean                      b. Mode  
 c. Dispersion                      d. Median
19. In probability theory, if the results after experiment are uncertain, the experiment is called.  
 a. Random experiment                      b. Simple experiment  
 c. Probability experiment                      d. Uncertain experiment
20. What do you call the set of results that come after certain experiment ?  
 a. Sample                      b. Sample space  
 c. Elementary event                      d. All of the above.

21. Harigopal gets a discount of 3% when he goes to pay the electricity bill within 7 days of receiving it. If his bill amounts to Rs. 345.75, find the money he paid after deducting the discount.  
a. Rs. 344.11                      b. Rs. 365.39  
c. Rs. 343.38                      d. Rs. 350.63
22. Convert 35% into fraction.  
a.  $\frac{7}{20}$                       b.  $\frac{8}{20}$                       c.  $\frac{6}{20}$                       d.  $\frac{7}{25}$
23. Out of 2000 examines appearing in the SLC of 2050, if 50 examinees passed, find the pass percentage.  
a. 2.75%                      b. 2.10%                      c. 2.5%                      d. 3%
24. Ram spends 20% of his total income in educating his children. If his expenditure is 3000, find his total income.  
a. Rs. 13,000                      b. Rs. 12000                      c. Rs. 14000                      d. Rs. 15000
25. Convert  $\frac{15}{20}$  in percentage.  
a. 80%                      b. 75%                      c. 2.5%                      d. 85%
26. Santosh bought a set of trousers at Rs. 200 & sold it for 240. Find his profit percentage.  
a. 20%                      b. 25%                      c. 30%                      d. 15%
27. Hari bought 20 glasses at Rs. 20 each of which 5 were lost. He sold the remaining glasses at the rate of Rs. 25 each. Find his profit or loss.  
a. Rs 125 Loss                      b. Rs. 25% profit  
c. Rs. 20 profit                      d. None of the above.
28. When a fan was bought at Rs.500 and then sold, there was 20% loss. Find the selling price (SP) of the fan.  
a. Rs. 300                      b. Rs. 350                      c. Rs.400                      d. Rs. 450
29. Find Interest of principal P=Rs.600 in 5 years at the rate 4%.  
a. Rs 120                      b. Rs 200                      c. Rs. 130                      d. Rs.150
30. If the interest of Rs. 400 after 4 years is Rs. 20, find the rate.  
a.  $\frac{5}{7}$  %                      b.  $\frac{5}{4}$  %                      c.  $\frac{6}{5}$  %                      d.  $\frac{5}{6}$  %
31. If a sum of money is doubled after 10 years, find the rate.  
a. 15%                      b. 12%                      c. 10%                      d. 20%

32. In what time will Rs. 300 amount to Rs. 405 at the rate of 4% ?  
a.  $\frac{35}{4}$  years                      b.  $\frac{36}{3}$  years                      c.  $\frac{35}{2}$  years                      d.  $\frac{35}{3}$  years
33. What is formula for surface area of a cylinder?  
a.  $S=2\pi r$                       b.  $S = 2\pi r^2$   
c.  $S= 2\pi rh$                       d. None of the above
34. Find the surface area of a drum whose height is 25cm & radius 14cm.  
a. 1000 cm<sup>2</sup>                      b. 1100cm<sup>2</sup>                      c. 1050 cm<sup>2</sup>                      d. 1200 cm<sup>2</sup>
35. Find the value of  $0.01 \times 0.002$ .  
a. 0.00002                      b. 0.0002                      c. 0.02                      d. 0.2
36.  $0.001 + 0.02 = ?$   
a. 0.03                      b. 0.0021                      c. 0.021                      d. 0.21
37.  $2 - 0.002 = ?$   
a. 1.999                      b. 1.988                      c. 1.888                      d. 1.998.
38. How many days do 7 men take to do a work if the work is finished by 10 men in 5 days ?  
a. 8days                      b. 7days                      c.  $7\frac{1}{7}$  days                      d.  $7\frac{1}{2}$  days
39. If the price of 3 kg of tea is equal to the price of 10 kg sugar, what amount of tea can be exchanged with 25 kg of sugar ?  
a.  $7\frac{1}{2}$  kg                      b. 8 kg                      c.  $8\frac{1}{2}$  kg                      d. 10kg
40. 15 men can do a work in 4 days. In how many days can 10 men finish the same work ?  
a. 4 days                      b. 5 days                      c. 6 days                      d. 8 days
41. What is to be added in (x-y) to make (x-z) ?  
a. (y-z)                      b. (y-x)                      c. (x+z)                      d. (z-x)
42.  $x^0 + 4^0 + 4 = ?$   
a. 7                      b. 6                      c. 9                      d. 22
43. If  $a + \frac{1}{a} = 5$  find  $a^2 + \frac{1}{a^2} = ?$   
a. 23                      b. 30                      c. 25                      d. 22
44. If a=5, b=3, x=8, y=2 find the value of  $3a-b(x-3y)^2$   
a. 3                      b. 5                      c. 6                      d. 7
45.  $5.3 \times 4.8 + 5 - 3 = ?$

46. a. 53.5      b. 54      c. 55      d. 27.44  
 $\left(\frac{8}{27}\right) - \frac{2}{3} = ?$
47. a.  $\frac{10}{4}$       b.  $\frac{9}{4}$       c.  $\frac{9}{5}$       d.  $\frac{10}{5}$   
 What do you get after simplifying  $\frac{x^2+y^2}{x-y} - \frac{2xy}{x-y}$  ?
48. a.  $(x-y)^2$       b.  $\frac{2xy}{(x-y)}$       c.  $(x-y)$       d.  $(y-x)$   
 27 men can dig a ditch in 15 days. How many men can dig the same ditch in 9 days ?
49. a. 45      b. 46      c. 50      d. 55  
 If  $12^{1/2}\%$  a sum is Rs. 45, find the sum.
50. a. Rs. 350      b. Rs. 400      c. Rs. 360      d. Rs. 500  
 Solving  $3^{3x-1} = 3^{22}$ , what will be the value of x ?
51. a.  $\frac{5}{3}$       b.  $\frac{1}{7}$       c.  $\frac{2}{3}$       d. 7  
 Find the factor of  $a^2+ab+ac+bc$ .
52. a.  $(a+b)(a+c)$       b.  $(b+c)(a+b)$       c.  $(a^2+b)(a+c)$       d.  $(a-b)(a+c)$   
 Find the value of  $\frac{(2.5)^2-(1.5)^2}{2.5-1.5}$
53. a. 5      b. 7.53      c. 4      d. 4.25  
 Find the value of  $(16)^{\frac{3}{4}}$
54. a.  $\frac{1}{4}$       b.  $\frac{1}{8}$       c.  $\frac{2}{4}$       d.  $\frac{2}{8}$   
 If the price of 25 pens is Rs. 246, how many pens can be bought for Rs. 984 ?
55. a. 100      b. 105      c. 110      d. 95  
 Find the simplified form of  $\frac{(x-y)^2+4xy}{4x+4y}$ .
56. a.  $\frac{x-y}{4}$       b.  $\frac{x+y}{4}$       c.  $\frac{xy}{4}$       d. 2xy  
 Find the square of  $\frac{x}{2}+1$

- a.  $\left(\frac{x}{2} + x + 1\right)$       b.  $\left(\frac{x^2}{2} + x^2 + 1\right)$   
 c.  $\left(\frac{x^2}{2} + x + 1\right)$       d. None of the above
57. Find the value of  $a^2-b^2$ .  
 a.  $(a-b)^2$       b.  $(a-b)(a-b)$   
 c.  $(a+b)(a-b)$       d.  $a^2-2ab+b^2$
58. Find the value of  $a^3+b^3$ .  
 a.  $(a+b)(a^2+ab+b^2)$       b.  $(a+b)(a^2-ab+b^2)$   
 c.  $(a^2+b^2)(a-ab+b)$       d.  $(a+b)(a^2-a^2b^2+b^2)$
59. Find square root of  $x^2-16x+64$ .  
 a.  $(x-4)$       b.  $(x+8)$       c.  $(2x+4)$       d.  $(x-8)$
60. If  $\frac{x+3y}{3x+2y} = \frac{5}{7}$ , find  $\frac{x}{y}$   
 a.  $\frac{10}{11}$       b.  $\frac{11}{10}$       c.  $\frac{8}{11}$       d.  $\frac{11}{8}$
61. Find the value of  $27^{\frac{4}{3}}$   
 a. 81      b. 75      c. 91      d. 71
62. Find the formula to calculate  $n^{\text{th}}$  term of arithmetic series (AS).  
 a.  $tn = a+(n-1)d$       b.  $tn = a+(n-1)$   
 c.  $tn = 1+(n-d)u$       d.  $tn = an(n-1)$
63. If first term of Arithmetic series is 7, last term is 27, and the sum of the terms is 102, find the number of terms.  
 a. 4      b. 7      c. 6      d. 15
64. What is the value of  $x^0$  ?  
 a. 2      b. -1      c. 0      d. 1
65. What is the value of  $\frac{0}{20}$  ?  
 a. 20      b. 1      c. 0      d. None of the above
66. Which is the value of  $\frac{20}{0}$  ?  
 a. 20      b.  $\alpha$       c. 0      d. -20
67. If  $\frac{2}{4}$  of a rod is 6m, find  $\frac{5}{8}$  of the rod.

- a. 7m                      b. 7.5 m                      c. 5m                      d. 10m
68. What is the value of  $\sqrt{5}$  ?  
a. 2.23                      b. 3                      c. 2.5                      d. 2.25
69. What type of angle is  $150^\circ$  ?  
a. obtuse angle                      b. right angle  
c. acute angle                      d. simple angle
70. Find a number if 10 added to 4 times of it becomes 30.  
a. 10                      b. 5                      c. 7                      d. 8
71. Find a number which when divided by 5 and 4 subtracted from it becomes 8.  
a. 40                      b. 50                      c. 60                      d. 44
72. Find the factor of  $(a+b+c)(bc+ca+ab) - abc$ .  
a.  $(c-a)(c+b)(a-c)$                       b.  $(c+a)(b-c)(a-b)$   
c.  $(c-b)(b-c)(a-b)$                       d.  $(b+c)(c+a)(a+b)$
73. If  $2x-4x=20$ , find the value of x.  
a. -15                      b. 20                      c. -10                      d. 5
74. What does  $x^5 \times x^4$  mean ?  
a.  $x^{20}$                       b.  $x^9$                       c.  $2x^{20}$                       d.  $x^8$
75. What is meant by  $(x^2)^3$ .  
a.  $x^5$                       b.  $x^6$                       c.  $x^4$                       d. None of the above
76. Find formula to calculate area of circle.  
a.  $A=\pi d^2$                       b.  $A=\pi r^2 h$                       c.  $A=2\pi r$                       d.  $A=\pi r^2$
77. Find the meant term of series 1, 4, 9, 16,.....  
a. 25                      b. 23                      c. 18                      d. 30
78. What is meant by parallel lines ?  
a. Lines that cross each other upon extending.  
b. Lines that do not cross each other but get nearer upon extending.  
c. The lines which never cross each other.  
d. b and c both correct
79. What is the condition for perpendicularity ?  
a. Angle at base should be  $90^\circ$   
b. Angle at base should be less than  $90^\circ$   
c. Angle at base should be more than  $90^\circ$   
d. Angle at base should be  $180^\circ$

80. Which of the following is a characteristic of parallel lines.  
a. Corresponding angles are equal.  
b. Alternate angles are equal  
c. Adjacent angles are equal  
d. Both a & b.
81. In a parallelogram  
a. Opposite angles are not equal                      b. Opposite sides are not equal  
c. Diagonals do not intersect                      d. None of the above.
82. Each diagonal of a parallelogram  
a. Divides it into two equal angles.  
b. Divides it into two equal triangles.  
c. Both a & b  
d. None of the above
83. What is the sum of adjacent angles ?  
a.  $150^\circ$                       b.  $160^\circ$                       c.  $180^\circ$                       d.  $90^\circ$
84. What is the sum of three angles of a triangle ?  
a.  $180^\circ$                       b.  $360^\circ$                       c.  $200^\circ$                       d. None of the above.
85. Find H.C.F. of  $3x-6$  and  $x-2$ .  
a.  $x-3$                       b.  $(x-6)$                       c.  $(x-2)$                       d.  $(x+2)$
86. Find H.C.M. of  $3x+9$  and  $5x+15$ .  
a.  $(x+5)$                       b.  $(x+3)$                       c.  $(x-3)$                       d.  $(x+9)$
87. Find the L.C.M. of  $4x$  and  $8x^2$ .  
a.  $4x^2$                       b.  $2x$                       c.  $6x^2$                       d.  $8x^2$
88. Find L.C.M of  $4y$  and  $6y$ .  
a.  $6y$                       b.  $12y$                       c. 13                      d.  $8y$
89. What is meant by 1% ?  
a. 101                      b. 96                      c.  $\frac{1}{100}$                       d. 100
90. What is meant by percentage ?  
a. a part of 100                      b. a part of 1000  
c. a part of 10                      d. all of the above
91. Madan spends 50% of his income in food. If the amount is Rs. 1800, find his income.  
a. Rs. 900                      b. Rs. 1800                      c. Rs. 3600                      d. Rs. 9000

92. Convert 0.75 into percentage.  
a. 7.5%      b. 75%      c. 750%  
d. 0.75 cannot be converted into percentage.
93. If a student scores 120 mark out of 300, what is his percentage ?  
a. 30      b. 40      c. 45      d. 50
94. Convert  $\frac{50}{200}$  into percentage.  
a. 20      b. 25      c. 30      d. 35
95. Convert 80% into fraction.  
a.  $\frac{2}{3}$       b.  $\frac{3}{5}$       c.  $\frac{3}{4}$       d.  $\frac{4}{5}$
96. Convert 35% into fraction.  
a.  $\frac{3}{5}$       b.  $\frac{5}{8}$       c.  $\frac{8}{19}$       d.  $\frac{7}{20}$
97. Convert  $\frac{1}{5}$  into percentage.  
a. 15.      b. 20      c. 25      d. 60
98. There are 75 oranges in a basket. If 4% of them are damaged, find the number of oranges damaged.  
a. 3      b. 4      c. 5      d. 6
99. What percentage is 15 boys out of 75 ?  
a. 20      b. 21      c. 5      d. 6
100. If Kamal has to walk a distance of 500m and he has already covered 100m, what is the percentage at the distance completed ?  
a. 35      b. 30      c. 25      d. 20
101. If Saroj saves Rs. 2000 after spending 60% , find his income.  
a. Rs. 6,000      b. Rs. 8,000      c. Rs. 5,000      d. Rs. 4,000
102. What is 5% out of 40 ?  
a. 3      b. 4      c. 2      d. 5
103. What percentage is 15 out of 60 ?  
a. 25      b. 30      c. 20      d. 21
104. Find a number whose 40% is 50.  
a. 125      b. 135      c. 145      d. 148.
105. If 18% of the sum taken by Shyam is Rs. 16.20, find the sum borrowed.

- a. Rs. 120      b. Rs. 115      c. Rs. 100      d. 90
106. Find the amount of medicine required to administer for seven day, 4 times each day at the rate of 500 mg each time.  
a. 18gram      b. 12gram      c. 16gram      d. 14gram
107. Ram can finish a work in 3 days and Hari can finish it in the same time in how many days can both finish this work working together ?  
a.  $1\frac{1}{3}$  days      b.  $\frac{1}{2}$  days      c.  $1\frac{1}{2}$  days      d.  $1\frac{1}{4}$  days
108. If  $\frac{2}{5}$  th of rod is equal to 2 m what is  $\frac{3}{5}$  th of it ?  
a. 2.5 m      b. 3m      c. 3.5m      d. 3.75m
109. If 5 men can complete a work in 6 days, in how many days can 15 men complete the same work ?  
a. 2 days      b. 3 days      c.  $2\frac{1}{2}$  days      d. 4 days
110. 10 tablets of Paracetamol cost Rs. 16. If I have Rs. 6.40, how many tablet can I buy ?  
a. 5      b. 2      c. 3      d. 4
111. If  $\frac{4}{5}$  of income of Narayan is Rs. 1600, find  $\frac{3}{5}$  th of his income.  
a. Rs. 900      b. Rs. 1000      c. Rs. 1100      d. Rs. 1200
112. In a question paper of an exam, there are 15 questions, each question of equal mark. The full mark is 100. If Ram scored 60 marks, how many questions did he attempt correctly at least ?  
a. 6      b. 7      c. 8      d. 9
113. The distance between London & New York is 6000 Km. A ship takes 3 days to cover the distance. In how many days can 5 ships cover the distance ?  
a.  $\frac{3}{5}$  days      b. 5 days      c.  $\frac{5}{3}$  days      d. 3 days
114. The ration is sufficient for 1200 soldiers for 6 days. How long will the food last for 1000 soldiers ?  
a. 62 days      b. 68 days      c. 70 days      d. 72 days.
115. What is the sum of 4 sides of a rectangular figure called ?  
a. Area      b. Volume      c. Surface      d. Perimeter

116. What is the formula for area of a square ?  
a.  $1^2$                       b.  $b^2$                       c.  $2(1+b)$                       d. both a & b
117. What is the formula to find perimeter of a rectangle ?  
a.  $1 \times b$                       b.  $2(1+b)$                       c.  $21+b$                       d.  $4(1+b)$
118. Find the area of rectangle whose length is 21m & breadth 18 m ?  
a.  $378 \text{ m}^2$                       b. 378 m                      c.  $378 \text{ cm}^2$                       d. 378 km
119. If the area of a square is  $6.25 \text{ m}^2$  find the length of its sides.  
a. 2.5 cm                      d. 25m                      c.  $2.5 \text{ cm}^2$                       d. 250 cm
120. Give the formula to find perimeter of square.  
a. 21                      b.  $2(1+b)^2$                       c. 41                      d.  $41^2+b$
121. If length of a rectangle is 5m and breadth 3m, find its perimeter.  
a. 20m                      b. 18m                      c. 16m                      d. 12m
122. The area of a rectangle is 28 sq cm. If its breadth is 4 cm, find its length.  
a. 5cm                      b. 8cm                      c. 7cm                      d. 9cm.
123. Find the perimeter of a square the length of whose side is 10 cm.  
a. 100m                      b. 40m                      c. 80m                      d. 20m.
124. What is the area of 4 walls and floor or a room ?  
a.  $2h(l+b)+1 \times b$                       b.  $2h(l+b)+2(1 \times b)$   
c.  $2h(1 \times b)+(1+b)$                       d.  $4h(1+b)$
125. Find the area of 4 walls and floor of a room, whose length is 4m, breadth is 2m and height 2m.  
a. 30 sq m.                      b. 32 sq m                      c. 28 sq m                      d. 40 sq m
126. The area of 4 walls of a room is 72 sq m. If its length is 8 m and breadth 4m, find its height ?  
a. 3m                      b. 4m                      c. 2.5m                      d. 8m
127. Give the formula to calculate area of 4, walls, floor and ceiling of a room.  
a.  $2h(1+b)$                       b.  $2h(1+b) + (1 \times b)$   
c.  $2h(1+b)+2(1 \times b)$                       d.  $2h(1+b)+2(1+b)$
128. Find the number of tiles, each of 1 sq m area, to pave a square room of length 8 m and breadth 4m.  
a. 12                      b. 28                      c. 32                      d. 30

129. The numbers of square bricks required to pave a floor of length 8 m & breadth 6 m is 40. Find the area of each brick.  
a. 1.2 sq m                      b. 4.8 sq m                      c. 0.83 sq m                      d. 1.6 sq m
130. Mention the formula to calculate the area of circle.  
a.  $\pi r^2$                       b.  $\frac{\pi d^2}{4}$                       c. a & b both                      d. None of the above
131. ( $\pi$  is a)  
a. Constant ratio                      b. variable ratio  
c. circle's radius                      d. It is a English alphabet
132. Give the value of  $\pi$   
a.  $\frac{22}{7}$                       b. 3.14                      c.  $3\frac{1}{7}$                       d. all of the above
133. Relate diameter and radius of a circle.  
a. diameter =  $2 \times$  radius                      b. diameter =  $\frac{1}{2} \times$  radius  
c. diameter = radius                      d. None of the above
134. Which formula to calculate circumference of a circle is not true ?  
a.  $2\pi r$                       b.  $2\pi\left(\frac{d}{2}\right)$                       c.  $\pi r^2$                       d.  $2r \times \frac{22}{7}$
135. If the circumference of a pond is 264 cm, find its diameter.  
a. 829.7 cm                      b. 84 cm                      c. 42 cm                      d. None of the above
136. Find the circumference of a circle whose radius is 70 cm.  
a. 220 cm                      b. 440cm                      c. 154cm                      d. 348cm
137. What is the circumference of a circle whose diameter is 70 cm ?  
a. 220 cm                      b. 440cm                      c. 880cm                      d. 348cm
138. The circumference of the big bell in front of Hanuman Dhoka is 682 cm. Find its radius.  
(a) 108.5cm                      (b) 217cm                      (c) 117cm                      (d) 434cm
139. What is the half circumference of a circular ground whose radius is 17 km.  
a. 4.71km                      b. 4.71m                      c. 94.2km                      d. 53.38km.
140. If the area of a circle is 38.5 sq m, find its radius.  
a. 7.5 m                      b. 3.5m                      c. 7m                      d.  $\frac{22}{7}$  m
141. Hari can see up to 15 km away. What is the total area of his vision ?



- a. 607.1 sq km                      b. 706.1 sq km  
c. 707.14 sq km                      d. 606.1 sq km
142. Find the area of a circle the difference between circumference and diameter or which is 60 km.  
a. 616 sq km                      b. 317.1 sq. km  
c. 620 sq km                      d. 516 sq km
143. Find the area of circle whose radius is 8.5 cm.  
a. 229.86 cm                      b. 56.75 sq cm.  
c. 227.07 sq cm.                      d. All of the above
144. The areas of a circle and a square are equal. If the radius of the circle is 14 cm, find the side of the square.  
a. 23.62 cm                      b. 24.819 cm  
c. 32.83 cm                      d. 23.83 cm
145. If the circumference a circle is divided by its diameter, what is the result called ?  
a. Area                      b. Radius                      c. Pie( $\pi$ )                      d. None of the above.
146. What is the circumference of a plate of radius 15 cm ?  
a. 47.14 cm                      b. 38.23 cm                      c. 29.08 cm                      d. 94.28 cm
147. What is total surface area of a cylinder ?  
a.  $2\pi r(r+h)$                       b.  $2\pi rh$                       c.  $2\pi r^2h$                       d.  $\pi r^2h$
148. What is curved surface area of a cylinder ?  
a.  $2\pi r(r+h)$                       b.  $2\pi rh$                       c.  $2\pi r^2h$                       d.  $\pi r^2h$
149. Find the curved surface area of a cylinder whose diameter is 14 cm and height 15 cm.  
a. 1320 sq cm                      b. 330 sq cm  
c. 2310 sq cm                      d. 660 sq cm
150. The curve surface area of a cylinder is S and height h, what does  $\frac{S}{2\pi h}$  mean ?  
a. radius                      b. diameter                      c. total surface area                      d. volume
151. The curved surface area of a drum is 154 sq cm. Its height is 6 m. Find its diameter.  
a. 8.16 cm                      b. 4.08 cm                      c. 10.26 cm                      d. 9.57 cm

152. The curved surface area of a cylinder is 's' and radius 'r'. What is the formula to calculate its height ?  
a.  $h = \frac{s}{4\pi r^2}$                       b.  $\frac{\pi r^2}{s}$                       c.  $h = \frac{2s}{\pi r}$                       d.  $h = \frac{s}{2\pi r}$
153. What is the shape of the base of a cylinder ?  
a. Circular                      b. Rectangular  
c. Square                      d. None of the above
154. The total surface area of a drum is 332 sq cm and radius is thrice its height. Find the radius.  
a. 80.98 cm                      b. 64.34 cm  
c. 40.47 cm                      d. 43.78 cm
155. The curved surface area of a cylinder, is 484 sq cm. and height 11 cm. Find radius.  
a. 14 cm                      b. 7 cm                      c. 25 cm                      d. 8 cm
156. The total area of cylinder is 154 sq cm & radius 3.5 cm. Find its height.  
a. 14 cm                      b. 19 cm                      c. 10 cm                      d. 7 cm.
157. If a cylinder has 80 cm radius and 96 cm height, find the total surface area of the cylinder.  
a. 4.827 sq m                      b. 8.85 sq cm  
c. 9.33 sq m                      d. None of the above
158. Which is the formula for finding volume of a cylinder ?  
a.  $V = \pi r^2h$                       b.  $V = 2\pi r^2h$                       c.  $V = 2\pi r(r+h)$                       d.  $V = 2\pi rh$
159. What is the volume of a circle of radius 6 cm and height 8 cm ?  
a. 226.28 cc                      b. 452.57 cc                      c. 905.14 cc                      d. 895.28 cc
160. The internal radius of a glass is 1.25 cm. If its height is 11 cm, what amount of water can it hold ?  
a. 43.96 cc                      b. 33.69 cc                      c. 63.91 cc                      d. 54 cc
161. The volume of a cylindrical tank is 2355 m<sup>3</sup> and its height 25 m. What might be its diameter ?  
a. 5.47 m                      b. 3.24 m                      c. 11.19 m                      d. 10.94 m
162. Find the depth of a pond if its radius is 1.5 m and amount of water it can hold is 755.6 ltr.  
a. 10.5 cm                      b. 106.5 cm.                      c. 110.5 cm                      d. 96.2 cm.

163. What is the formula for surface area of a sphere ?  
 a.  $A = \pi r^4$       b.  $A = \pi d^2$       c.  $A = 2\pi r$       d.  $A = \frac{\pi d^2}{4}$
164. What is the surface area of a sphere of diameter 1 cm ?  
 a.  $\pi^2$  sq cm      b.  $\frac{\pi}{2}$  sq. cm      c.  $2\pi$  sq.cm      d.  $\pi$  sq. cm
165. Find the radius of the sphere, which has  $144 \text{ cm}^2$  surface area.  
 a. 18.33 cm      b. 12.31 cm      c. 3.38 cm      d. 3.47 cm
166. Which of the following is not the formula to calculate volume of sphere ? ( $\pi = \frac{22}{7}$ )  
 a.  $\pi d^2$       b.  $\frac{88}{21} R^2$       c.  $\frac{4}{3} \pi R^2$       d.  $\frac{1}{6} \pi d^3$
167. If a sphere has a volume of  $33.52 \text{ m}^3$ , find its diameter.  
 a. 2cm      b. 5cm      c. 4cm      d. 10cm
168. What is the volume of a sphere whose diameter is 42 cm ?  
 a. 38808 cc      b. 45093 cc  
 c. 45093.83 cc      d. 35093.38 cc
169. If the radius of a lemon is 1cm, what is its volume ?  
 a.  $\frac{3}{4} \pi \text{cc}$       b.  $\frac{1}{3} \pi^2 \text{cc}$       c.  $4\pi \text{cc}$       d.  $\frac{4}{3} \pi \text{cc}$
170. The volume of a tennis ball is  $\frac{\pi}{6}$ , cc what is its diameter ?  
 a. 0.1 cm      b. 0.5 cm      c. 0.8 cm      d. 1cm
171. What is the volume of an apple whose surface area is  $4\pi \text{ sq.cm}$  ?  
 a.  $\frac{3}{4} \pi \text{ cc}$       b.  $\frac{3}{5} \pi \text{ cc}$       c.  $\frac{4}{3} \pi \text{ cc}$       d.  $\frac{1}{6} \pi \text{ cc}$
172. What is the volume of a wall that can be prepared by 500 bricks each of the dimensions  $8\text{cm} \times 4\text{cm} \times 4\text{cm}$ .  
 a. 8,000 cc      b. 6400 cc      c. 64,000 cc      d. 8,0000 cc
173. How many one rupee coins of volume  $15 \text{ cm}^3$  can be made from a bulk of copper of volume  $3000 \text{ m}^3$  ?  
 a. 2,00000      b. 20,00,00,000      c. 20,00,000      d. 2,00,00,000
174. A well has  $80 \text{ m}^3$  of water. If the length of the well is 8 m and the breadth 5 m, find the height.

- a. 2m      b. 3m      c. 4m      d. 5m
175. If Ram bought a dozen of ball pens at Rs. 72 and sold at Rs. 8 each, what was his profit ?  
 a. Rs. 12      b. Rs. 10      c. Rs. 24      d. Rs. 36
176. Binod bought a radio for Rs. 500 and sold it for Rs. 800. What was his percentage profit ?  
 a. 37.5%      b. 75%      c. 60%      d. 62.5%
177. I bought a camera at Rs. 4000 and sold it for Rs. 3500. What was the percentage I lost ?  
 a. 12.5%      b. 25%      c. 87.5%      d. 14.28%
178. Ramesh bought a watch at Rs. 725. For what price should he sell it to gain a profit of 20 % ?  
 a. Rs. 870      b. Rs. 1145      c. Rs. 850      d. Rs. 875
179. At what price should a vest bought at Rs. 100 be sold to make a loss of 15 % ?  
 a. Rs. 85      b. Rs. 15      c. Rs. 92      d. Rs. 80.25
180. Find the formula to calculate simple interest.  
 a.  $P = \frac{I \times 100}{N \times R}$       b.  $N = \frac{I \times 100}{P \times R}$       c.  $R = \frac{I \times 100}{P \times N}$       d.  $I = \frac{PNR}{100}$
181. What is the interest of Rs. 400 in 4 years at the rate of 1.25% ?  
 a. Rs. 25      b. Rs. 20      c. Rs. 30      d. Rs. 15
182. What is the rate of interest of a sum which doubles itself in 10 years ?  
 a. 10%      b. 12%      c. 13%      d. 20%
183. What is the formula to calculate Amount ?  
 a.  $A = P - I$       b.  $A = \frac{PNR}{100}$       c.  $A = P + I$       d.  $A = \frac{NR}{100 P}$
184. What is the Amount of Rs. 600 in 5 years at the rate of 4 % ?  
 a. Rs. 120      b. Rs. 720      c. Rs. 480      d. Rs. 630
185. In what time Rs 300 amounts to Rs. 360 at the rate of 4% ?  
 a. 5 years      b.  $4\frac{1}{2}$  years      c. 3 years      d.  $5\frac{3}{4}$  years
186. In what time a sum of money doubles at the rate of 10 % ?  
 a. 3 year      b. 8year      c.  $5\frac{1}{5}$  year      d. 10 year

187. What sum of money at the rate 4 % in  $8\frac{3}{4}$  years gives an interest of Rs. 105 ?  
 a. Rs. 400      b. Rs. 405      c. Rs. 800      d. Rs. 300
188. If a sum of money triples itself in 20 years, in what time will it double?  
 a. 5 years      b. 15 years      c. 10 years      d. 8 years
189. If a sum of money increases by  $\frac{2}{3}$  rd of itself in 10 years, what is the rate ?  
 a.  $6\frac{2}{3}$  %      b.  $8\frac{2}{3}$  %      c.  $8\frac{3}{5}$  %      d.  $6\frac{3}{5}$  %
190. If  $4x = \frac{1}{8}$ , find x.  
 a. 4      b.  $\frac{1}{4}$       c.  $\frac{1}{34}$       d.  $\frac{1}{32}$
191. If a sum of money doubles itself in 20 years, in what time will it triple itself ?  
 a. 10 year      b. 20 year      c. 40 year      d. 30 year
192. If the interest in two years at the rate of 5% becomes Rs. 20, what is the principle ?  
 a. Rs. 500      b. Rs. 200      c. Rs. 300      d. Rs. 375
193. Which of the following is a factor of  $a^3 + b^3$  ?  
 a.  $a^3$       b.  $b^3$       c.  $(a+b)^2$       d.  $(a^2 - ab + b^2)(a+b)$
194.  $(x^2 + 2x - 1)(x^2 - 2x - 1)$  is factor of which expression ?  
 a.  $x^4 - 6x^2 + 2$       b.  $x^4 - 6x^2 + 1$   
 c.  $x^2 - 2x + 5$       d.  $x^4 - 4x + 1$
195. In  $12x^2 + 2x - 3$ , 12 is called...of  $x^2$   
 a. factor      b. variable quantity  
 c. coefficient      d. none of the above
196. What is (a-b) of  $x^2 - b^2$  ?  
 a. coefficient      b. factor      c. solution      d. value
197. Given three variables - a, b & c. Which of the following is not in cyclic order ?  
 a. (a-b), (b-c) (c-a)      b. (b-c), (a-c), (a-b)

- c. (c-a), (a-b), (b-c)      d. ab, bc, ca
198. What is the result of simplification of  $\frac{a}{(a+b)^2} - \frac{b}{a^2 - b^2}$  ?  
 a.  $\frac{a^2 - 2ab - b^2}{(a+b)^2(a-b)}$       b.  $\frac{a^2 + 2ab - b^2}{(a+b)^2(a-b)}$   
 c. both of the above      d. none of the above
199. What result is obtained by simplifying,  $\frac{1}{x+2y} + \frac{1}{x-2y} + \frac{2x}{4y^2 - x^2}$  ?  
 a.  $\frac{x^2}{2xy}$       b. 0      c.  $\frac{2x^2 + 4y}{(3x+2)(5-3x)}$       d.  $2x^2$
200. In the given fraction  $\frac{a}{b}$ ,  
 a. a is called numerator and b is called denominator  
 b. b is called numerator and a is called denominator  
 c. both a and b are called the coefficients of  $\frac{a}{b}$   
 d. b and c both
201. What is the simplified form of  $\frac{a}{a^2 - 2ab + b^2} - \frac{b}{a^2 - b^2}$  ?  
 a.  $\frac{2a^2 + b^2}{a^2 - 2ab + b^2} - \frac{b}{a^2 - b^2}$       b.  $\frac{(a+b)^2}{b^2 + 2a + a^3}$   
 c.  $\frac{a^2 + b^2}{(a^2 - b^2)(2ab - 1)}$       d.  $\frac{a^2 + b^2}{(a-b)^2(a+b)}$
202. What is the square root of  $q^2 - 8a + 16$ ?  
 a.  $a + 4$       b.  $a - 4$       c.  $a^2 + 4^2$       d.  $a^2 - 4^2$
203. (a+b) is square root of which expression ?  
 a.  $a^2 - 2ab + b^2$       b.  $b^2 - 2a + b^3$   
 c.  $a^2 + 2ab + ab^2$       d.  $b^2 + 2ab + a^2$
204. What is the square of  $b^2 - 1$  ?  
 a.  $b^4 - 1$       b.  $2b^4 - 2b + 1$       c.  $b^4 - 2b^2 + 1$       d.  $b^2 - 2b + 1$
205. Which of the following is square of  $3x - 4a$  ?  
 a.  $9x^2 - 24ax + 16a^2$       b.  $3x^2 - 4a^2$   
 c.  $9x^2 + 16a^2$       d.  $9x^2 + 3ax + a^2$

206. Which of the following is obtained by simplifying  $\frac{bc}{(a-b)(a-c)} + \frac{ca}{(b-c)(b-a)} + \frac{ab}{(c-a)(c-b)}$  ?
- a. 0                      b. 1                      c. 2                      d. 3
207. Find the square root of  $9a^2+48a+64$ .
- a.  $3a^2 + 8^2$               b.  $3a + 4$               c.  $3 + 8a$               d.  $3a+8$
208. If two numbers a & b are written in the form  $\frac{a}{b}$ , what does to denote ?
- a. numerator              b. denominator              c. ratio                      d. proportion
209. What is the duplicate ratio of  $\frac{a}{b}$  ?
- a.  $\frac{a^2}{b^2}$                       b.  $\frac{a^3}{b^3}$                       c.  $\frac{1}{b^2}$                       d.  $\frac{1}{b^2}$
210. What is sub duplicate ratio of  $\frac{a}{b}$  ?
- a.  $\frac{a^2}{b^2}$                       b.  $\frac{1}{b^3}$                       c.  $\frac{1}{a^2}$                       d.  $\frac{1}{b^2}$
211. What is sub triplicate ratio of  $\frac{a}{b}$  ?
- a.  $\frac{a^3}{b^3}$                       b.  $\frac{1}{b^3}$                       c.  $\left(\frac{a^2}{b^2}\right)^{\frac{1}{3}}$                       d.  $\frac{3a}{3b}$
212. What is triplicate ratio of  $\frac{a}{b}$  ?
- a.  $\frac{a^3}{b^3}$                       b.  $\left(\frac{a^2}{b^2}\right)^3$                       c.  $\frac{1}{b^2}$                       d.  $\frac{a^2}{b^2}$

213. If  $\frac{a}{b} = \frac{4}{5}$ , What is duplicate ratio of a:b ?
- a.  $\frac{16}{25}$                       b.  $\frac{25}{16}$                       c.  $\frac{4}{25}$                       d.  $\frac{25}{4}$
214. If  $\frac{x}{y} = \frac{2}{3}$  What is the triplicate ratio of x:y ?
- a.  $\frac{8}{9}$                       b.  $\frac{4}{9}$                       c.  $\frac{8}{27}$                       d.  $\frac{16}{27}$
215. If x:y = 3:4 find the value of 5x + 9y : 16x + 5y.
- a. 4:3                      b. 4:9                      c. 9:4                      d. 3:4
216. If the sum of the numbers whose ratio is 6:7 is 26 find the numbers.
- a. 6 and 20                      b. 8 and 18                      c. 12 and 14                      d. 16 and 10
217. If 4a = 5, what is triplicate ratio of a:b ?
- a.  $\frac{125}{64}$                       b.  $\frac{25}{64}$                       c.  $\frac{25}{16}$                       d.  $\frac{16}{125}$
218. If  $\frac{a}{b} = \frac{3}{5}$  and  $\frac{a+8}{b+8} = \frac{7}{9}$ , then a and b will be respectively ....
- a. 12/20                      b. 15/25                      c. 6/10                      d. all of the above
219. If 27a=64b, what is sub triplicate ratio of a:b ?
- a.  $\frac{3}{4}$                       b.  $\frac{4}{3}$                       c.  $\frac{4}{27}$                       d.  $\frac{27}{16}$
220. If 9x = 4y, find sub duplicate ratio of x:y.
- a.  $\frac{2}{3}$                       b.  $\frac{6}{4}$                       c.  $\frac{16}{81}$                       d.  $\frac{1}{4^2}$
221. In the given expression a:b::c:d,
- a. a and b are called means                      b. b and c are called extremes  
c. both correct                      d. both incorrect
222. The given expression a:b::c:d can also be written as:
- a.  $\frac{a}{c} = \frac{d}{b}$                       b.  $\frac{b}{c} = \frac{a}{d}$                       c.  $\frac{a}{b} = \frac{c}{d}$                       d.  $\frac{a}{b} = \frac{c}{d}$
223. What is the expression a:b::c:d called ?
- a. Ratio                      b. Extremes                      c. Componendo                      d. Proportion



- c. two, 4 and -4                      d. two, 3 and -3
241. How many values of x are obtained by solving the eq:  $x^2+4x+3=0$  ?  
 a. one                      b. two                      c. three  
 d. no value of x can be obtained
242. What is the formula to calculate the roots of quadratic equation ?  
 a.  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$                       b.  $x = \frac{b \pm \sqrt{b^2 - 4ac}}{2a}$   
 c.  $x = \frac{-b^2 \pm \sqrt{b^2 - 4ac}}{2a}$                       d.  $x = \frac{b^2 \pm \sqrt{b^2 - 4ac}}{2a}$
243.  $x = -4$  &  $x = -5$  are roots of which of the following quadratic equation.  
 a.  $2x^2 + 3x + 7 = 0$                       b.  $3x^2 + x - 28 = 0$   
 c.  $x^2 + 9x + 20 = 0$                       d.  $x^2 + x - 20 = 0$
244. What are the roots of  $\frac{3}{x-6} - \frac{4}{x-5} = 1$  ?  
 a. 7 and 3                      b. 7 and 4                      c. 7 and 5                      d. 7 and 2
245. What will be the value of  $a^m \times a^n$  ?  
 a.  $a^{mn}$                       b.  $a^{m-n}$                       c.  $a^{m/n}$                       d.  $a^{m+n}$
246. What is the value of  $a^{m-n}$  ?  
 a.  $\frac{a}{m-n}$                       b.  $a^m \times a^n$                       c.  $a^m - a^n$                       d.  $\frac{a^m}{a^n}$
247. Find the value of  $\left(\frac{a}{b}\right)^n$   
 a.  $\frac{a^n}{b^n}$                       b.  $a^n b^n$                       c.  $a^0 \times \frac{a^n}{b^n}$                       d. All of the above
248. Factorise :  $16x^4 - 4x^2$   
 a.  $2x(3x+4)(3x-4)$                       b.  $4x^2(2x+1)(2x-1)$   
 c.  $3x(2x+6)(3x-6)$                       d.  $x^2(5x+4)(5x-4)$
249. If  $x = 4$ ,  $n^0 = ?$   
 a. 0                      b. 4                      c. 1                      d.  $\frac{4}{0}$
250. What is the value of  $16^{\frac{1}{4}}$  ?  
 a. 4                      b.  $\frac{1}{2}$                       c.  $\frac{1}{8}$                       d.  $\frac{1}{4}$

251. What is the formula to calculate arithmetic mean of grouped data ?  
 a.  $X = \frac{\sum f}{n}$                       b.  $X = \frac{\sum fm}{N}$                       c.  $X = \sum fmN$                       d.  $X = \frac{\sum m}{N}$
252. Which of the following values divides the two data arranged in ascending or descending order into two equal parts ?  
 a. mean                      b. median                      c. mode                      d. average
253. If there are n terms in a series, which of the following falls in  $\frac{n+1}{2}$  place ?  
 a. mean                      b. median                      c. mode                      d. average
254. How is probability calculated ?  
 a.  $P(E) = \frac{\text{number of favorable events}}{\text{number of probable events}}$   
 b.  $P(E) = \frac{\text{number of probable events}}{\text{number of favorable events}}$   
 c.  $P(E) = \frac{\text{sample space}}{\text{number of favorable events}}$   
 d.  $P(E) = \text{number of probable events}$
255. If a coin having temple in one face and cow on the other is tossed, we is the probability of getting temple.  
 a. 1                      b. 50                      c.  $\frac{1}{2}$                       d. 50%
256. What is the probability that a pregnant woman give birth to a child Tuesday ?  
 a.  $\frac{1}{7}$                       b.  $\frac{2}{7}$                       c.  $\frac{7}{365}$                       d.  $\frac{7}{30}$
257. The value of probability is always  
 a. between 0 and 100                      b. between -1 and 1  
 c. between 0 and 1                      d. between -100 and 100

Answer						
1. a	2. b	3. c	4. d	5. a	6. d	7. a
8. c	9. a	10. c	11. d	12. a	13. c	14. b
15. b	16. c	17. c	18. b	19. a	20. b	21. a
22. a	23. c	24. d	25. b	26. a	27. d	28. c

29 a	30 b	31 c	32 a	33 c	34 b	35 a
36 c	37 d	38 c	39 a	40 c	41 a	42 b
43 b	44 a	45 d	46 b	47 c	48 a	49 c
50 d	51 a	52 c	53 b	54 a	55 b	56 d
57 c	58 b	59 d	60 d	61 a	62 a	63 c
64 d	65 c	66 b	67 b	68 a	69 a	70 b
71 c	72 d	73 c	74 b	75 b	76 d	77 a
78 c	79 a	80 d	81 d	82 b	83 c	84 a
85 c	86 b	87 d	88 b	89 c	90 a	91 c
92 b	93 b	94 b	95 d	96 d	97 b	98 a
99 a	100 d	101 c	102 c	103 a	104 a	105 d
106 d	107 c	108 b	109 a	110 d	111 d	112 d
113 b	114 d	115 d	116 d	117 b	118 a	119 a
120 c	121 c	122 c	123 b	124 a	125 b	126 a
127 c	128 c	129 a	130 c	131 a	132 d	133 a
134 c	135 b	136 b	137 a	138 a	139 d	140 b
141 c	142 a	143 c	144 b	145 c	146 d	147 a
148 b	149 d	150 a	151 a	152 d	153 a	154 c
155 b	156 d	157 b	158 a	159 c	160 d	161 d
162 b	163 b	164 d	165 c	166 a	167 c	168 a
169 d	170 d	171 c	172 c	173 b	174 a	175 c
176 c	177 a	178 a	179 a	180 d	181 b	182 a
183 c	184 b	185 a	186 d	187 d	188 c	189 a
190 d	191 c	192 b	193 d	194 b	195 c	196 b
197 b	198 a	199 b	200 a	201 d	202 b	203 d
203 d	204 c	205 a	206 b	207 d	208 c	209 a
210 d	211 b	212 a	213 a	214 c	215 d	216 c
217 a	218 c	219 b	220 a	221 d	222 c	223 d
224 b	225 c	226 b	227 d	228 c	229 a	230 a
231 a	232 b	233 b	234 a	235 c	236 a	237 d
238 d	239 c	240 b	241 b	242 a	243 c	244 a
245 d	246	d 247 b	248 b	249 c	250 b	251 b
252 b	253 b	254 a	255 c	256 a	257 c	

# Science

- What type of solution is prepared in the condition when there is more amount of solute?
  - Transparent solution
  - dilute solution
  - concentrated solution
  - none of the above
- What is the substance that dissolves while preparing a solution called?
  - Additives
  - Solvent
  - Diluent
  - Soute
- For what purpose is crystallization process used?
  - to separate solute from solution
  - to separate solvent from solution
  - to equalize solute & solvent
  - all of the above
- What is the substance resulting form mixing of two or more substances?
  - Solution
  - Mixture
  - Colloids
  - Suspension
- What is the mixture in which mixing substances are not homogeneously mixed called?
  - Homogeneous mixture
  - Heterogeneous mixture
  - Both a & b
  - none of the above
- What is the solution resulting from mixing of two liquids that are negligibly soluble?
  - fully soluble
  - partially soluble
  - none soluble
  - none of the above
- By which method pure water can be separate from the substances & gress well?
  - Evaporation
  - Crystalization
  - Filtration
  - Distilation
- Which is the best solvent to dissolve grease?
  - Petrol
  - Spirit
  - Either
  - Alcohol
- By which method is insoluble substance separated from liquid?
  - Filtration
  - Decantation

- c. Evaporation                      d. Centrifuging
10. By what method is eating salt (NaCl) Prepared?  
a. Evaporation                      b. Crystalization  
c. Distilation                      d. None of the above
11. How is local alcohol made?  
a. Distilation                      b. Crystalization  
c. Evaporation                      d. Filtration
12. Name the scientist who introduced the system of chromatography that is used to separate mixtures?  
a. Tswett                      b. Scholar  
c. T.Piter                      d. None of the above.
13. How is chmpaor mixed in sand separated?  
a. Distilation                      b. Chromatography  
c. Sublimation                      d. Filtration
14. By which chemical reaction is salt made?  
a. Combination Reaction                      b. Decomposition Reaction  
c. Displacement Reaction                      d. Acid-base Reaction
15. Which elements is prepared to prepare vegetable ghee?  
a Ammonia                      b. Hydrogen  
c. Zinc                      d. Oxygen
16. By which method is oxygen prepared in lab?  
a. heating method                      b. mixturing method  
c a & b both                      d. none of the above
17. What is the process of formation of oxide called?  
a. Oxidation                      b. Dioxidation  
c. Disoxidation                      d. None of the above
18. Which element should react with iron to form rust?  
a. Nitrogen      b. Oxygen      c. Hydrogen      d. Lithium
19. Give the molecular weight of water:  
a. 16              b. 18              c. 20              d. 22
20. Which of the followings is correct?  
a. Magnesium Sulphate =  $MgSO_2$   
b. Magnesium Sulphate =  $MgSO_3$   
c. Magnesium Sulphate =  $MgSO_4$

- d. Magnesium Sulphate =  $MgSO_5$
21. How many methods can be applied to remove permanent hardness of water?  
a. 5                      b. 4                      c. 3                      d. 2
22. What color is seen when litmus paper is dipped into acidic solution?  
a. black                      b. red                      c. blue                      d. yellow
23. What should be PH value to be strong acid?  
a. less than 2                      b. more than 2  
c. less than 4                      d. none of the above
24. What are PH values in solution of salt and water in solution of sugar and water?  
a. different values                      b. equal values  
c. there is no PH value                      d. none of the above
25. Which does not fall in acidic property?  
a. sour taste                      b. turns blue litmus to red  
c. slippery                      d. Corrodes metal
26. What is the structural unit of a substance called?  
a. Element      b. Electron      c. Proton      d. Molecules
27. What is the change in which only the shape of substance changes called?  
a. chemical change                      b. physical change  
c. physical-chemical change                      d. none of the above
28. How many artificial elements are there?  
a. 11                      b. 12                      c. 13                      d. 10
29. What is the lightest element?  
a. Uranium                      b. Lithium  
c. Nitrogen                      d. Hydrogen
30. Which of the following is not compound?  
a. Iron                      b. Gold                      c. Silver      d. All of the above
31. Which element is not found in gaseous state?  
a. Bromine      b. Helium      c. Fluorine      d. Neon
32. In how many classes can elements be classified according to their nature?  
a. 5                      b. 4                      c. 3                      d. 2



33. In how many elements the first letter in symbol does not begin from an English alphabet?  
a. 6                      b. 9                      c. 8                      d. 7
34. What is relative weight related to?  
a. weight of the entire atom  
b. weight of a cell of the atom  
c. weight of the electrons in the nucleus  
d. all of the above
35. Which of the following is correct?  
a. Atomic weight = Number of Protons + Number of Neutrons  
b. Atomic weight = Number of Protons + Number of electrons.  
c. Atomic weight = Number of Neutrons + Number of electrons.  
d. Atomic weight = Number of Neutrons + Number of cells.
36. Which of the following is charge less in an atom?  
a. neutron              b. electron              c. Proton              d. all of the above
37. Which element consists of largest number of neutrons?  
a. Helium              b. Carbon              c. Uranium              d. Lithium
38. What is  $2n^2$  related to ?  
a. to find the number of protons in an atom.  
b. to find number of neutron  
c. to find the mass of nuclear in a cell  
d. to find the largest no of electron that a shell can hold.
39. If 'H' = Hydrogen, 'N' = Nitrogen what does 'Na' represent?  
a. Neon              b. Sodium              c. Argon              d. Potassium
40. What is the pH value of acidic soil?  
a. 9.5 or more      b. 8.5 or more      c. 7.5      d. less than 6.5
41. Which plant grows in alkaline soil?  
a. Rhododendron                      b. fir tree  
c. hantsraj                              d. sugarcane
42. Which fertilizer consists of nitrogen and phosphorous?  
a. biological                              b. chemical  
d. bio - chemical                      d. none of the above
43. Which element helps in growth of root hair?  
a. Nitrogen              b. Phosphorus              c. Calcium              d. Potassium

44. Which of the following is not an insecticide?  
a. Aldrin              b. Lindane              c. DDT              d. Betadin
45. Which glass if heated to red hot and plunged into water does not break?  
a. quartz-glass      b. soft - glass              c. water glass              d. hard glass
46. What temperature is required for silica to prepare water - glass?  
a.  $800^{\circ}\text{C}$               b.  $1000^{\circ}\text{C}$               c.  $1200^{\circ}\text{C}$               d.  $1500^{\circ}\text{C}$
47. Which glass is used to prepare spectacles and eye lens?  
a. boro silicate glass                      b. hard glass  
c. lead crystal glass                      d. soft glass
48. What is cement made of ?  
a. Lime stone + Clay                      b. Lime stone + Coal  
c. Lime stone + Water                      d. Lime stone + Glass
49. What are polymers and monomers related to ?  
a. Copper              b. Lead                      c. Plastic                      d. Polyester
50. How many types of plastics are there?  
a. 5                      b. 4                      c. 3                      d. 2
51. Name the scientist who invented plastic Nylon?  
a. W. H. Catherin                      b. W. H. Watton  
c. J. E. Thomas                      d. W. H. Carothers
52. Which of the following does not fall in thermoplastic group?  
a. Polythene                              b. Bakelite  
c. Polystyrene                              d. Synthetic Fibres
53. Which group of plastic do electrical equipment (switch sockets) fall in?  
a. Thermoplastics                      b. Thermosetting plastic  
c. a and b both                      d. none of the above
54. After the formation of earth, from which era the development of mammals began?  
a. Cenozoic                              b. Mesozoic  
c. Palaeozoic                              d. Proterozoic
55. What is the approximate age of inner core of earth?  
a.  $1000^{\circ}\text{C}$  -  $2000^{\circ}\text{C}$                       b.  $3000^{\circ}\text{C}$  -  $4000^{\circ}\text{C}$   
c.  $6000^{\circ}\text{C}$  -  $7000^{\circ}\text{C}$                       d.  $6000^{\circ}\text{C}$  -  $8000^{\circ}\text{C}$



81. If a bus moves to a distance of 100m in 5 seconds, what is its average velocity?  
a. 10 m/s      b. 12 m/s      c. 20 m/s      d. 25 m/s
82. When did Newton invent the law of gravitation?  
a. 1686      b. 1786      c. 1770      d. 1660
83. If a man pushed a bus to the distance of 10 m against the force of friction, the bus weighting 300 N, what amount of work did he do?  
a. 2000 Joule      b. 1000 Joule  
c. 3000 Joule      d. none of the above
84. If water at  $0^{\circ}$  is heated, upto what temperature does its volume decrease?  
a.  $5^{\circ}\text{c}$       b.  $6^{\circ}\text{c}$       c.  $7^{\circ}\text{c}$       d. none of the above
85. At what temperature mercury inside a thermometer freezes?  
a.  $-40^{\circ}\text{c}$       b.  $-39^{\circ}\text{c}$       c.  $-30^{\circ}\text{c}$       d.  $-35^{\circ}\text{c}$
86. What is the body temperature of a healthy man?  
a.  $33^{\circ}\text{c}$       b.  $36^{\circ}\text{c}$       c.  $37^{\circ}\text{c}$       d.  $40^{\circ}\text{c}$
87. What is the temperature of water vapour of boiling water at 760 mm Hg of atmospheric pressure?  
a.  $100^{\circ}\text{c}$       b.  $50^{\circ}\text{c}$       c.  $99^{\circ}\text{c}$       d.  $90^{\circ}\text{c}$
88. In which unit is specific heat capacity measured?  
a. Joule      b. Joule/kilowatt  
c. Joule/kg $^{\circ}\text{c}$       d. none of the above
89. What is the velocity of light?  
a.  $3 \times 10^7$  m/sec      b.  $3 \times 10^8$  m/sec  
c.  $2 \times 10^8$  m/sec      d.  $4 \times 10^7$  m/sec
90. What time does the light from the sun take to reach the earth?  
a. 8 minute 15 seconds      b. 7 minutes 20 seconds  
c. 8 minute 20 seconds      d. none of the above
91. What is the distance between the sun and the earth?  
a.  $16 \times 10^{10}$ m      b.  $15 \times 10^8$ m  
c.  $15 \times 10^{12}$ m      d.  $15 \times 10^{10}$ m
92. What is the phenomenon of bending of light while entering from one medium to another medium called?  
a. Reflection of light      b. Change of light

- c. Refraction of light      d. Diffraction of light
93. What is the velocity of light in air?  
a. 3,00,000km/sec      b. 30, 000 km/sec  
c. 4,00,000 km/sec      d. 2, 00, 000 km/sec
94. Which colour is not found among the seven colours of the sun rays?  
a. red      b. orange      c. green      d. black
95. For an adult man, what must be the least near-distance to see an object clearly?  
a. 10 cm      b. 15 cm      c. 20 cm      d. 25 cm
96. Which lens is used to see distance objects?  
a. plane      b. concave      c. convex      d. both b & c
97. What is the type of lens in the eyes of a man who can see only distance objects clearly?  
a. thick      b. thin      c. opaque      d. none of the above
98. Which of the following is not an optical instrument?  
a. window glass      b. eye-glass  
c. microscope      d. telescope
99. Which lens is used in a photographic Camera?  
a. Plane      b. Convex      c. Concave      d. all the above
100. Which of the following is not the basis of distinguishing living being from non living beings?  
a. Respiration      b. Feeding      c. Growth      d. Insulation
101. What is the smallest unit in classification of organism?  
a. family      b. phylum      c. Species      d. offspring
102. Which species does not fall under invertebrates?  
a. Porefera      b. Aves      c. Coelenterata      d. Annelida
103. In which species of Invertebrates does Euglena fall?  
a. Protozoa      b. Anthropoda  
c. Nematohelminthes      d. Mallusca
104. The heart of which animal consists of only three chambers?  
a. goat      b. monkey      c. frog      d. man
105. Which animals fall in the same species?  
a. frog and lizard      b. fish and frog  
c. fish and bat      d. bat and man



- d. To fight harmful germs.
128. What is dendrites related to?  
a. Heart      b. Brain      c. Lungs      d. Kidney
129. What is the gap on the outer surface of modulated fibre of neutron called?  
a. Nodes of Rinver      b. Nodes of Medulla  
c. Axon      d. Synapse
130. Which of the following is not a permanent tissue of plants?  
a. Parenchyma      b. Cholenchyma  
c. Epithelium      d. Sclerenchyma
131. Which of the following is a permanent tissue of plants?  
a. Simple tissue      b. Complex tissue  
c. Special tissue      d. all of the above
132. What is necessary for life process?  
a. nutrition      b. respiration  
c. excretion      d. all of the above
133. What are the terms Autotropic/Heterotropic related to?  
a. respiration of animals      b. nutrition of animals  
c. reproduction of animals      d. all of the above
134. Which of the following species is of Heterotropic?  
a. Saprophytic      b. Holozoic  
c. Parasite      d. All of the above
135. What are the animals which feed only on fruits and vegetables called?  
a. Herbivorous      b. Carnivorous  
d. Omnivorous      d. None of above
136. Which organ is not related to digestive system?  
a. Liver      b. Spleen      c. Pancreas      d. Intestine
137. What is enzyme made of ?  
a. Vitamin      b. Minerals  
c. Protein      d. Carbohydrate
138. Mention the mode of activity of enzyme?  
a. Intracellular      b. Extracellular  
c. a & b both      d. none of the above
139. Which enzyme initiates the digestion of fat?

- a. Lipase      b. Amylase      c. Protein      d. Pepsin
140. Which enzyme initiates the digestion of food taken by human beings?  
a. Pepsin      b. Hydrochloric acid      c. Ptylin      d. Lipase
141. What is the smallest form of protein called?  
a. Amino Acid      b. Fatty Acid  
c. Paraminobenzoic acid      d. Both a and b
142. From which organ diffusion of food takes place?  
a. Stomach      b. Duodenum      c. Ilium      d. Jegunum
143. What are the hair-like delicate organs found in walls of intestine called?  
a. Nostrils      b. Villi      c. Silia      d. Intestinal wall
144. In which animal gaseous exchange takes place both through skin an gills?  
a. butterfly      b. grasshopper      c. frog      d. fish
145. What is the amount of blood (in litre) in the body of an adult human?  
a. about 4.5 litre      b. about 5.5 litre  
c. about 6.5 litre      d. about 7 litre
146. What percentage of total amount of blood does plasma occupy?  
a. 45%      b. 50%      c. 55%      d. 60%
147. Where do blood cells form?  
a. Spleen      b. Liver      c. Bone      d. Bone marrow
148. Which blood cell forms both in bone marrow and lymph node?  
a. RBC      b. WBC  
c. both of the above      d. none of the above
149. Which blood vessel brings impure blood from different parts of body to heart?  
a. Vein      b. Artery  
c. Capillary      d. Lymph vessels
150. From which chamber of heart is blood sent to lungs for purification?  
a. Rt Auricle      b. Lt Auricle  
c. Rt Ventricle      d. Lt Ventricle
151. Which artery carries impure blood?  
a. Subclavian Artery      b. Pulmonary Artery  
c. Corotid Artery      d. coronary Artery





197. If the human arm is third class lever, to which class of lever does nut cutter belong?  
a. first          b. second          c. third          d. fourth
198. Which is the richest food with regard to calorie?  
a. rice          b. gram          c. meat          d. fat
199. Which of the following is not a source of animal protein?  
a. sausage      b. boiled egg      c. pulses      d. cheese
200. Where is gene found?  
a. around cell membrane          b. inside cell  
c. inside nucleus          d. around nucleus
201. In which district is Rara National Park located?  
a. Manang      b. Mustang      c. Dolpa      d. Mugu
202. What is the area of Se-Phoksundo National Park?  
a. 2555m<sup>3</sup>      b. 3000 m<sup>3</sup>      c. 3555 m<sup>3</sup>      d. 4000 m<sup>3</sup>
203. When was Royal Bardiya National Park established?  
a. 2034 BS      b. 2032 BS      c. 2030 BS      d. 2028 BS
204. Which of the following is not a mountainous animal?  
a. bear          b. donkey          c. musk-deer      d. panda
205. What is the suitable place for yak?  
a. inner terai      b. hills          c. lakes          d. mountains
206. Which of the following plants does not grow in mountainous area?  
a. beetle nut      b. birch tree      c. sal          d. deodar
207. Which is the most intelligent animal next to human?  
a. Chimpanzee      b. dolphin      c. monkey      d. dog
208. Which of the following birds can fly for the longest time?  
a. ostrich          b. condor          c. crane          d. crow
209. Which is the largest mammal?  
a. blue whale          b. white whale  
c. red whale          d. brown whale
210. Which of the following fruits has more water content?  
a. cucumber          b. water melon  
c. sweet melon          d. apple
211. What is the largest amount of food that a python can consume at a time?

- a. 500 kg          b. 250 kg          c. 100 kg          d. 50 kg
212. Which animal sleeps without closing its eyes?  
a. alligator      b. wolf          c. fish          d. snake
213. Which is not a fish?  
a. dolphin      b. carpus      c. archer fish      d. jelly fish
214. Name the animal that people like to kill more?  
a. snake          b. tiger          c. bear          d. monkey
215. What is the percentage of oxygen in air in general?  
a. 78-79 %          b. 19 - 20 %  
c. 0.32 - 0.33 %      d. 15 - 17 %
216. In how many classes can invertebrates be classified?  
a. 9          b. 8          c. 7          d. 5
217. How many years did Darwin take to introduce the theory of Natural Selection?  
a. 5 yeas          b. 10 years          c. 20 years          d. 25 years
218. How many chambers are there in the heart of a mammal?  
a. 2          b. 4          c. 6          d. 8
219. Which of the following is a hermaphrodite?  
a. earthworm      b. cricket      c. grasshopper      d. fly
220. Which animal has their separate hearts?  
a. snake          b. starfish          c. whale          d. alligator
221. Which one is a medicinal plant?  
a. coconut      b. neem          c. chilaune      d. patle
222. Who is the father of Zoology?  
a. Darwin      b. Galileo      c. Aristotle      d. Henry
223. Which is the following natural source of water is purest?  
a. tap water          b. spring water  
c. rain water          d. ground water
224. What type of substance is protoplasm?  
a. colloid          b. solution          c. solvent          d. solid
225. Which element in water makes it hard?  
a. nitrogen      b. magnesium      c. sodium      d. potassium
226. Which instrument converts mechanical energy of a motor into electrical energy?



- a. ignition coil                      b. carburetor  
c. dynamo                              d. all of the above
227. Which is the farthest planet in the solar system?  
a. Pluto              b. Mars              c. Venus              d. Mercury
228. Which of the following terms is not related with the study of sound?  
a. decibel              b. refraction              c. vibration              d. pitch
229. What is formed when water is mixed with carbon dioxide?  
a. compound              b. solution              c. acid              d. suspension
230. By which method is heat transmitted in water?  
a. evaporation              b. radiation              c. conduction              d. convection
231. What is the unit of measurement of area?  
a.  $m^5$               b.  $m^4$               c.  $m^3$               d.  $m^2$
232. Which of the following is an insulator?  
a. lead              b. carbon              c. silicon              d. iron
233. What is evaporation related to?  
a. to separate homogeneous mixture.  
b. to separate heterogeneous mixture.  
c. mixing different things in a substance.  
d. none of the above.
234. What is pyrex glass?  
a. lead crystal                              b. borosilicate  
c. general glass                              d. all of the above
235. "Force due to gravitation between two masses is directly proportional to the product of masses and inversely proportional to the square of distance between their centres." This is:  
a. Newton's First Law of Gravitation  
b. Law of Gravitation  
c. Newton's universal law of Gravitation  
d. Proportional Law of Gravitation
236. If two masses of  $m_1$  and  $m_2$  are separated by a distance  $d$ , what is the gravitational force ( $f$ )?  
a.  $F = G \frac{M_1}{M_2} = d^2$                               b.  $F = G \frac{Gd^2}{M_1M_2}$

- c.  $F = G \frac{M_1M_2}{d^2}$                               d.  $F = \frac{M_1M_2}{d^2}$
237. What is the value of Gravitational Constant?  
a.  $6.67 \times 10^{-11} \text{ Nm}^2/\text{kg}^2$                               b.  $6.97 \times 10^{-11} \text{ Nm}^2/\text{kg}^2$   
c.  $6.27 \times 10^{-11} \text{ Nm}^2/\text{kg}^2$                               d.  $6.47 \times 10^{-11} \text{ Nm}^2/\text{kg}^2$
238. By how many times is the gravitational force greater in earth than in moon?  
a. 4 times              b. 6 times              c. 8 times              d. 10 times
239. If the mass of earth is 'M', radius 'R' and Gravitational Constant 'G' then what will be the weight of an object of mass 'm' on surface of earth?  
a.  $W = \frac{GMm}{R^2}$                               b.  $W = \frac{Gr^2}{Mm}$   
c.  $W = \frac{R^2}{GMm}$                               d.  $W = \frac{1}{G} R^2 Mm$
240. By how many times is the mass of Jupiter greater than that of earth?  
a. 177              b. 319              c. 351              d. 305
241. Which is the formula for gravitational field intensity?  
a.  $F = \frac{GM}{R^2}$               b.  $F = \frac{R^2G}{M}$               c.  $W = \frac{GR}{M^2}$               d.  $W = \frac{M^2}{GR}$
242. A person can lift a mass of 200 kg in earth. How much could he lift in the surface of moon?  
a. 600 kg              b. 900 kg              c. 1200 kg              d. 1400 kg
243. What is the value of acceleration due to gravity on surface of earth?  
a. 8.9 N              b. 8.9 N/kg              c.  $9.8 \text{ m/s}^2$               d.  $8.9 \text{ N/kg}^2$
244. What is the value of gravitational field intensity on surface of earth?  
a.  $9.8 \text{ M/s}^2$               b.  $8.9 \text{ N/kg}^2$               c.  $9.8 \text{ N/kg}$               d.  $9.8 \text{ N/kg}^2$
245. What is the weight of an object in free fall? (free falling means to fall at the acceleration due to gravity)  
a. Maximum                              b. minimum  
c. 98 kg                                      d. 0
246. With the depth, pressure of liquid  
a. increase                              b. decreases  
c. remains constant                              d. first decrease then increases
247. In which unit is pressure measured?



- c. defect of vision                      d. all of the above
272. What colour is seen in the top when white light is dispersed through prism?  
a. orange      b. red                      c. green                      d. violet
273. What is transparent part that lies at the front part of eye?  
a. Cornea      b. Lens                      c. Pupil      d. Ciliary muscle
274. What type of lens should a person with short sightedness use?  
a. Convex      b. Concave                      c. Optical lens      d. Plane glass
275. How many lenses are used in astronomical telescope?  
a. 1                      b. 2                      c. 3                      d. 4
276. What is the unit of power of eye lens?  
a. Radian      b. Joule                      c. Watt                      d. Diopter
277. What type of wave is sound wave?  
a. Mechanical wave                      b. Electromagnetic wave  
c. Transverse wave                      d. All of the above
278. What symbolises wave length?  
a.  $\lambda$                       b.  $\mu$                       c.  $\gamma$                       d.  $\theta$
279. What is the number of waves produced per second called and in which unit is measured?  
a. intensity; meter                      b. intensity; hertz  
c. frequency; hertz                      d. frequency ; meter
280. What is the range of audible sound?  
a. 20 Hz - 20 KHz                      b. 20 Hz - 28 KHz  
c. 40 Hz - 35 KHz                      d. 10 Hz - 100 KHz
281. What decibel of sound is produced while running a motorcycle?  
a. 20                      b. 40                      c. 90                      d. 140
282. What does Cell function?  
a. Converts chemical energy to electrical energy  
b. Converts chemical energy to heat energy  
c. Converts electrical energy to chemical energy  
d. All of the above
283. What does - (A) - represent in electric circuit?  
a. Altimeter                      b. Ammeter  
c. Alternating current                      d. Switch

284. What is the formula of potential difference?  
a.  $V = WQ$       b.  $W = \frac{V}{Q}$                       c.  $V = \frac{W}{Q}$                       d.  $Q = \frac{W}{V}$
285. What is angle of dip at equator?  
a.  $0^0$                       b.  $30^0$                       c.  $67^0$                       d.  $90^0$
286. What is the formula of sulphuric acid?  
a.  $HSO_4$                       b.  $HCl$                       c.  $H_2SO_4$                       d.  $H_2Cl$
287. How many electrons are there in outermost shell of oxygen?  
a. 4                      b. 5                      c. 6                      d. 7
288. What is the valency of Mg in  $MgCl_2$ ?  
a. 2                      b. 4                      c. 0                      d. 3
289. What is Argon?  
a. inert gas                      b. active gas                      c. semi active gas      d. inert liquid
290. When water is electrolysed into which ions does its molecule separate?  
a. hydrogen and oxygen                      b. oxygen and hydrogen  
c. hydrogen and chlorine                      d. hydrogen and hydroxyle
291. What is formed when acid reacts with carbonate?  
a.  $O_2$                       b.  $NH_3$                       c.  $H_2O_2$                       d.  $CO_2$
292. What is the reaction between acid and base called?  
a. Electrolysis                      b. Biochemical reaction  
c. Acidic reaction                      d. Neutralization
293. What does acid give when it reacts with other metals?  
a. hydrogen                      b. oxygen                      c. chloride                      d. base
294. What is the pH value of strong base?  
a. 0                      b. 3                      c. 7                      d. 14
295.  $Zn + \dots \rightarrow ZnSO_4 + H_2$   
a.  $HCl + SO_4$       b.  $H_2S + O_2$                       c.  $H_2O + SO_4$                       d.  $H_2SO_4$
296. Which is the atomic number of oxygen?  
a. 2                      b. 8                      c. 16                      d. 32
297. Which acid is used to prepare carbon dioxide gas in laboratory?  
a.  $HCl$                       b.  $H_2SO_4$   
c.  $HNPO_3$                       d.  $CH_3COOH$
298. What is dry ice?

- a. frozen oxygen                      b. frozen hydrogen  
 c. frozen chlorine                    d. frozen carbon dioxide.
299. Ammonia (NH<sub>3</sub>) gas.....  
 a. is heavier than air                      b. does not dissolve in water  
 c. has acidic property                      d. has hard and pungent smell
300. Which alcohol is used in making wine?  
 a. methyl alcohol                      b. ethyl alcohol  
 c. propyl alcohol                      d. butyl alcohol
301. Which is the common element found in methane, ethane, alcohol and glycerol?  
 a. carbon      b. argon                      c. chlorine                      d. oxygen
302. Homo sapiens is the scientific name of which living beings?  
 a. man                      b. elephant                      c. rhinoceros                      d. antelope
303. Which of the following does not contain chlorophyll?  
 a. Thallophyta      b. Algae                      c. Fungi                      d. Bryophyta
304. What types of plants fall under Phanerogams?  
 a. flowering                      b. non flowering  
 c. thorny                      d. carnivorous plant
305. To which class pinus falls in?  
 a. Bryophyta                      b. Pteridophyta  
 c. Gymnosperm                      d. Angiosperm
306. In monocotyledonous plants there is.....  
 a. parallel venation                      b. fibrous root  
 c. none of the above                      d. a and b both
307. What are the thin long projections of octopus called?  
 a. tentacles      b. pseudopodae      c. cilia      d. osculum
308. What is the scientific name of round worm that infests human body?  
 a. Enterobius vermicularis                      b. Ascaris lumbricoides  
 c. Trichuris trichuria                      d. Hymenolepis nana
309. Body of which class of animals can be separated into head, thorax and abdomen?  
 a. Echinodermata      b. Mollusca                      c. Arthropoda                      d. Anilida
310. In which animals are gills found?  
 a. snake                      b. lizard                      c. frog                      d. fish

311. Which of the following does not fall in the class mammalia?  
 a. Ostrich                      b. whale                      c. squirrel                      d. bat
312. Which virus affects the leaf of tobacco?  
 a. Retro virus                      b. Mosaic virus  
 c. Aden virus                      d. Myxo virus
313. What is meant by virus in Latin language?  
 a. micro organism                      b. parasite  
 c. poison                      d. medicine

**Answer**

- |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|
| 1 c   | 2 d   | 3 a   | 4 b   | 5 b   | 6 b   | 7 d   |
| 8 a   | 9 c   | 10 b  | 11 a  | 12 a  | 13 c  | 14 d  |
| 15 b  | 16 c  | 17 a  | 18 b  | 19 b  | 20 c  | 21 d  |
| 22 b  | 23 a  | 24 b  | 25 c  | 26 d  | 27 b  | 28 c  |
| 29 d  | 30 d  | 31 a  | 32 d  | 33 b  | 34 c  | 35 a  |
| 36 a  | 37 c  | 38 d  | 39 b  | 40 d  | 41 b  | 42 c  |
| 43 c  | 44 d  | 45 a  | 46 a  | 47 c  | 48 b  | 49 c  |
| 50 d  | 51 d  | 52 b  | 53 b  | 54 a  | 55 b  | 56 d  |
| 57 b  | 58 d  | 59 c  | 60 a  | 61 b  | 62 a  | 63 c  |
| 64 c  | 65 c  | 66 b  | 67 d  | 68 b  | 69 c  | 70 a  |
| 71 b  | 72 b  | 73 a  | 74 b  | 75 d  | 76 c  | 77 d  |
| 78 b  | 79 c  | 80 c  | 81 c  | 82 a  | 83 c  | 84 d  |
| 85 b  | 86 c  | 87 a  | 88 c  | 89 b  | 90 c  | 91 d  |
| 92 c  | 93 a  | 94 d  | 95 d  | 96 b  | 97 b  | 98 a  |
| 99 b  | 100 d | 101 c | 102 b | 103 a | 104 c | 105 d |
| 106 a | 107 d | 108 b | 109 c | 110 d | 111 a | 112 d |
| 113 b | 114 a | 115 b | 116 d | 117 a | 118 c | 119 d |
| 120 b | 121 c | 122 c | 123 b | 124 c | 125 d | 126 d |
| 127 c | 128 b | 129 a | 130 c | 131 d | 132 d | 133 b |
| 134 d | 135 a | 136 b | 137 c | 138 c | 139 a | 140 c |
| 141 a | 142 c | 143 b | 144 c | 145 b | 146 c | 147 d |
| 148 b | 149 a | 150 c | 151 b | 152 a | 153 d | 154 b |
| 155 a | 156 d | 157 c | 158 d | 159 b | 160 d | 161 c |
| 162 a | 163 c | 164 b | 165 c | 166 b | 167 c | 168 d |

169 b	170 c	171 d	172 a	173 c	174 a	175 c
176 a	177 d	178 b	179 d	180 c	181 d	182 d
183 d	184 c	185 b	186 c	187 c	188 a	189 b
190 c	191 c	192 a	193 d	194 c	195 a	196 b
197 b	198 d	199 c	200 c	201 d	202 c	203 b
204 b	205 d	206 c	207 b	208 d	209 a	210 b
211 d	212 c	213 d	214 a	215 b	216 a	217 c
218 b	219 a	220 d	221 b	222 c	223 c	224 a
225 b	226 c	227 b	228 b	229 c	230 d	231 d
232 c	233 b	234 a	235 c	236 c	237 a	238 b
239 a	240 b	241 a	243 c	244 c	245 d	246 a
247 c	248 a	249 a	250 a	251 b	252 d	253 a
254 d	255 a	256 a	257 b	258 a	259 b	260 a
261 d	262 a	263 c	264 a	265 d	266 c	267 c
268 b	269 c	270 a	271 b	272 b	273 a	274 b
275 b	276 d	277 a	278 a	279 c	280 a	281 c
282 a	283 b	284 c	285 a	286 c	287 c	288 a
289 a	290 d	291 d	292 d	293 a	294 d	295 d
296 b	297 a	298 d	299 d	300 b	301 a	302 a
303 c	304 a	305 c	306 d	307 a	308 b	309 c
310 d	311 a	313 b	313 c			

# Nursing & Health

- Who is called the founder of nursing?
  - First Lady Hillary Clinton
  - Florence Nightingale
  - Prince Diana
  - Mother Teresa
- Which is correct?
  - To take care of sick people and to promote health status is nursing.
  - To serve the patients for one's survival as well as for prestige is nursing.
  - To fight against poverty and famine is nursing
  - To take care of poors for the sake of profession is nursing
- When was nursing association of Nepal established?
  - 2019
  - 2021
  - 2022
  - 2023
- Which one is not good nursing characters?
  - caring of sick people with generosity
  - provided health education during caring of patient
  - though friendly; a slow worker
  - provided suggestion and help as much as possible.
- What is TNAN related to ?
  - tread union association of Nepal.
  - teaching hospital nursing association of Nepal
  - trained nurses association of Nepal
  - all of the above
- Which one is the first teaching hospital of Nepal?
  - Nepal medical colloage
  - BPKIHS
  - patan collage of health & science
  - TU teaching hospital
- Who is first to complete doctorate in nurshing?
  - Dr. Siladevi Das
  - Dr. Ramadevi Das.
  - Dr. Umadevi Das
  - Dr. Miss. Rukminicharan sherestha
- What is ICN?
  - Intellectual club of nursing
  - International council of nursing

- c. Institutional club of nursing  
d. none of the above
9. What does PRN means?  
a. Way of taking medicine      b. Way of storing medicine  
c. professional & registered nurse      d. All of the above
10. Which is correct ?  
a. Vital sign= Blood pressure+ Listening power+ respiration+ pulse rate  
b. Vital sign = Blood pressure+ respiration + pulse rate + temperature  
c. Vital sign = Blood pressure + temperature + blood volume + respiration  
d. Vital sign = Blood pressure + respiration + pulse rate + urine output
11. What is sterilization related to ?  
a. The of development and growth of micro organism  
b. The condition of destruction of micro organisms.  
c. The condition in which micro organism become inactive.  
d. All of the above.
12. Who is known as the lady with the lamp ?  
a. Bhrikuti      b. Sita  
c. Florence Nightingel      d. Mother Terrisa
13. From when the education of nurshing started in T . U . teaching Hospital ?  
a. 1962      b. 1972      c. 1975      d. 1980
14. Who was the first nurse ?  
a. Biddhawati Udas      b. Dharmadevi  
c. Radhadevi      d. all of the above
15. Who was the first superintendent of Bir Hospital ?  
a. Dr. Rajshree Rana.      b. Dr. Umadevi Das  
c. Dr. Rajawai Rana      d. Dr. Melawadevi
16. Child suffering from pneumonia should be.....  
a. Kept in open and warm place  
b. Kept in a cool room covering with blanket  
c. Taken to doctor stopping breast feeding  
d. All of the above
17. What is the full form of ANM ?

- a. Assistant nurse midwife  
b. Auxiliary nurse midwife  
c. Assistant nurse monitor  
d. Axullary nurse monitor
18. What is the full form of IOM?  
a. Institute of Maternity      b. Institute of Mental Health  
c. Institute of Medicine      d. Institute of modern monitor
19. Which is not a responsibility of Nurse in "On duety" ?  
a. prescribing medicine according to condition of patients  
b. providing correct quantity of prescribed medicine to patients  
c. Record vital sign  
d. Giving health education to patient
20. Who is to hospital as house is to house wife?  
a. Visitor      b. Doctor      c. Nurse      d. Sweeper
21. Where does ovum form?  
a. Uterus      b. Overy      c. Follopin tube      d. Cervix
22. What is the character of a Intel nurse?  
a. Speaking frankly and in soft word to the as well as looking affer impartially.  
b. Be tidy and attractive and observe the patients activities  
c. Sitting quietly being gentle and cirilise of own staff  
d. All of the above
23. What type of food should be feed to mother just after delivery?  
a. black tea & hot soup      b. fried rice  
c. dry meat(hardly chewable)      d. All of the above
24. What is meant by infant mortality?  
a. death within 7 days of birth  
b. death within 21 days of birth  
c. death after 6 months of age  
d. death within 1 year of age
25. Which hormone is not produced by ovary?  
a. estrogen      b. progesterone  
c. testosterone      d. none of the above
26. Lack of which vitamin causes bigot's spots?



- c. baby eaching  
d. PV bleeding & burning urination
45. At what time of pregnancy vaccine against tetanus should be taken ?  
a. immediately after stop menstruation  
b. before pregnancy  
c. 5-8 months of pregnancy  
d. after delivery
46. For what type of woman is it difficult to give birth ?  
a. height less than 140 cm      b. teenager's lady  
c. over age than 35 years      d. All of the above
47. What is ANC related to ?  
a. pregnant woman      b. delivered woman  
c. aging woman      d. All of the above
48. What is the blood mixed thick mucous liquid found in vulva at the time of childbirth called ?  
a. lochia      b. show      c. placenta      d. cord
49. What types of weapon should be used to cut off cord ?  
a. choya      b. sickle  
c. new blade      d. any sharp weapons
50. From when should catheter be inserted in women ?  
a. vaginal orifice      b. urethral orifice  
c. both a and b      d. none of the above
51. What is the medical term for expelled out fetus itself called?  
a. abortion      b. premature birth  
c. delivery      d. All of the above
52. Which vaccine is given through mouth?  
a. measles      b. polio      c. BCG      d. ARV
53. What is the road to health card related to?  
a. Antenatal Clinic      b. Mother health clinic  
c. Child health clinic      d. Mother Child Health Clinic
54. What does P mean in DPT ?  
a. Whooping cough      b. Tetanus  
c. diphtheria      d. T.B.
55. What is the step to be taken after child birth ?

- a. to bath the baby      b. Keep warm cloth to baby  
c. Start to breast feeding      d. all the above
56. What is MUAC related to?  
a. weight      b. height  
c. growth      d. nutrition
57. What is vaccine related to?  
a. Treatment of illness      b. Healthy body  
c. Prevention of diseases      d. All the above
58. If BCG=TB, Measles=?  
a. Measles =Measles      b. Measles =DPT  
c. Measles= Polio      d. Measles = Mumps
59. How many Ovaries are there?  
a. 1      b. 2      c. 3      d. 4
60. What is the normal temperature of human body?  
a. 35°C      b. 36°C      c. 37 °C      d. 38°C
61. What is normal range of blood pressure?  
a.  $\frac{100 - 150}{70 - 90}$       b.  $\frac{90 - 140}{60 - 90}$   
c.  $\frac{90 - 150}{50 - 90}$       d.  $\frac{90 - 160}{70 - 90}$
62. Which term is used to denote the way of urinating by means of pipe in condition when one is unable to urinate in normal condition?  
a. Enema      b. Urination  
c. Catheterization      d. a & b both
63. Which blood group is known as universal donor?  
a. 'A' Positive      b. 'AB' Positive  
c. 'B' Positive      d. 'O' Positive
64. What will be the infant mortality rate in ninth plan period?  
a. 74.7/1000      b. 61.5/1000  
c. 4.58/1000      d. 5.58/1000
65. What is the present fertility rate per women in Nepal?  
a. 2.58      b. 3.58      c. 4.58      d. 5.58
66. What is the condition when there is deficit of blood in our body?  
a. Low blood pressure      b. anaemia



- c. high blood pressure                      d. a&b both
67. What is life expectancy rate of Nepal?  
a. 66 Years                                      b. 62 Years  
c. 56 Years                                      d. 50 Years
68. What is meant by nuclear family?  
a. grand father, grand mother, husband - wife including brothers  
b. husband - wife with kids & brothers  
c. husband -wife, sister in law & kids  
d. parents with kids
69. How many bones are there in human body?  
a. 207                      b. 206                      c. 205                      d. 204
70. Which of the following temperatures indicate fever?  
a. 100°F                      b. 99°F                      c. 98°F                      d. a&b both
71. For how long can human brain survive without blood(oxygen) supply?  
a. 12 min.                      b. 8 min.                      c. 6 min.                      d. 4 min.
72. Which factor affects individual's health?  
a. gene    b. environment  
c. nutrition    d. all of the above
73. What is meant by BD/BID written by doctor while prescribing medicine?  
a. 4 times a day                                      b. 3 times a day  
c. 2 times a day                                      d. one's a day
74. Who was the first to complete doctor in Nepal?  
a. Dr. Ganeshlal Maske                                      b. Dr. Thirbum Dixit  
c. Dr. Ganeshlal Baidha                                      d. Dr. Ganeshlal Amatya
75. Who was the first doctor of Bir Hospital?  
a. Dr. Rajanikanta Ganguli                                      b. Dr. Umadevi Das  
c. Dr. Rajanikanta Marahattha                                      d. None of the above
76. Who is the first Muslim doctor in Nepal?  
a. Dr. Kasim Khan                                      b. Dr. Roshani Ara Khan  
c. Dr. Siwani Ara Khan                                      d. Dr. Aslam Khan
77. Which of the international organizations work in the field of health sector in Nepal?  
a. WHO    b. JAICA  
c. Unicef    d. all of the above

78. When was the WHO established?  
a. 1945                      b. 1948                      c. 1950                      d. 1955
79. Which technical help does not fall in the community development?  
a. nutrition    b. health  
c. non vocational    d. social
80. Mention the heart rate of a healthy adult.  
a. 40-50                      b. 50-60                      c. 60-80                      d. 80-90
81. Which of the following is our body guard?  
a. Platelets                      b. thrombocytes                      c. RBC                      d. WBC
82. By how much will pulse rate increase when 1°F temperature will be raised?  
a. 10    b. 12    c. 14    d. 16
83. The part in which child develops in a woman's body is called.....  
a. Ovary    b. uterus    c. vagina    d. fallopian tube
84. Why do people become dwarf?  
a. Lack of calcium    b. lack of nutrient  
c. lack of growth hormone    d. all of the above
85. What is insulin related to?  
a. gonorrhoea    b. diabetes  
c. heart disease    d. high blood pressure
86. What is nose bleeding?  
a. epistaxis    b. otitis media  
c. conjunctivitis    d. none of the above
87. What is swelling of joint related to?  
a. fracture    b. arthritis  
c. osteoporosis    d. all of the above
88. Why does tea taste bitter?  
a. due to the contains of rosin  
b. due to the contains of nicotine  
c. due to the contains of tannin  
d. due to the contains of oily substances
89. Which element is used to purify water?  
a. chlorine    b. calcium

- c. phosphorus                      d. all of the above
90. What does 'Triphala Churna' contain ?  
 a. Barro + Harro + Neem              b. Harro + Barro + Amala  
 c. Harro+ Barro + Tulasi              d. Tulasi + Neem + Harro
91. Are all enzymes?  
 a. carbohydrate                      b. fat  
 c. protein                              d. vitamin
92. Which of the following is not sense organ?  
 a. Nose              b. Mouth              c. Eyes              d. Skin
93. What is the quantity of urea in human urine?  
 a. 2%              b. 4%              c. 5%              d. 5.2%
94. Which instrument indicates the beating of heart and lungs in graph?  
 a. gayroscope                      b. stethoscope  
 c. electro cardiograph              d. cromograph
95. What is the instrument used to reucove venom from renom affected body?  
 a. Dilosis                              b. Odometer  
 c. Radiator                              d. Pressure
96. When is largest amount of protein found?  
 a. Inside the cell                      b. Outside of cell  
 c. a& b both                              d. none of the above
97. What is the process of purifying milk called?  
 a. Sterilisation                      b. Pasteurization  
 c. Distilaltion                              d. Filtration
98. Which diseases is not transmitted by mosquito?  
 a. encephalities                      b. malaria  
 c. cholera                              d. filariasis
99. For how long can a bed bug survive without sucking blood?  
 a. 1 month                              b. 3 months  
 c. 6 months                              d. 1 year
100. Which insect is known as 'kissing bug'?  
 a. red bug              b. bug              c. Mosquito              d. Sandfly
101. Which is 'Fibrinogen' related to?  
 a Immunity                              b. Bleeding

- c. Anaemia                              d. High blood Pressure
102. Non fatty diet is suitable for.....  
 a fever                                      b. APD  
 c. high blood pressure              d. all of the above
103. Which of the following problem decreases while taking fiberous diet?  
 a. diarrhoea                              b. dysentary  
 c. Acidity                                      d. constipation
104. Who is the founder of Red Cross?  
 a. Hening Karcher                      b. Henry Duena  
 c. Sir Issac Newton                      d. Alexnader Fleming
105. Name the scientist who invented penicillin?  
 a. Charles Darwin                      b. Alexander Simon  
 c. Henry Duena                              d. Alexander Fleming
106. What is the work of a visitor with patient in hospital?  
 a. teasing nurse  
 b. to support the patient  
 c. to see whether nurse provides medicine or not  
 d. None of the above
107. Too much smoking = lungs cancer , too much alcohol=?  
 a. liver damage                              b. Gastric pain  
 c. diarrhoea                                      d. all of the above
108. What is to be done to maintain healthy eye?  
 a. keep specta during reading  
 b. take plenty of green vegetable  
 c. keep artificial tear to washout harmful substances  
 d. a & both
109. What is the test of tear?  
 a. bitter                      b. salty                      c. sweet                      d. chilly
110. What is the aim of first aid?  
 a. to save victims life                      b. cure to the victim  
 c. a & both                                      d. none of the above
111. Mention the first aid of simple burn?  
 a. massage with korisin oil ( to prevent from blisturing)  
 b. immerse the burning part in clean water

- c. put cow dung & salt over the wound  
d. burst the blister & put medicine if there is blistering
112. If we find the unconscious patient .....
- Should be made sleep in warm and feed nothing
  - should be provide oxygen or with artificial respiration
  - If ruptures or wounds found should be bandaged
  - Make sure the respiratory tract is open and monitor heart beat, artificial respiration should be began .
113. To the omnileg fractured victim .....
- Take him hospital as well as possible
  - keep the fracture past previous position any way
  - keep splint for immobilization & take him to hospital
  - all of the above
114. What advice should given to pregnant lady complaining fever dizziness and swelling of both limbs.
- perform normal exercise and ask to sit on the chair
  - sit on the chair without exercise
  - liedown on the bed with thick pillow
  - rest without hanging leg and visit health facility for antenatal check up .
115. person taking which types of poison should not be made vomit?
- Dhaturu mosroom
  - Zinc phosphide poisoning
  - Acid/ kerosene poisoning
  - all of the above
116. what is the easy technique to making a poisoned patient vomit ?
- feed concentrated salt solution
  - feed plain water
  - feed honey milk
  - none of the above
117. what is the string that supports hand through neck in case it gets fractured called?
- splint
  - hanging rope
  - trap
  - sling
118. what is the mark seems after attack of poisonous cobra called ?
- Bite marks
  - Tooth scar
  - Fangs mark
  - All of the above

119. what is the treatment technique to be followed when foreign bodies in the eye ?
- do not rub eye
  - wash eye with clean water
  - try to remove with soft pieces of cotton and if it is not possible consult with health faculty
  - all of the above.
120. What is the appropriate means to treat abrasion?
- antibiotics
  - detergent
  - antiseptic
  - all of the above
121. Why should water bandage be provided?
- reduce fever
  - to clean the face \
  - to give sympathy to the patient
  - to cure headache
122. What should be done if nail of toe of a partner walking together gets out?
- called other personnel
  - take him to hospital
  - press over the part and ask for necessary help
  - a & b both
123. What kilocalories energy is required for a lactating mother ?
- 2000
  - 2500
  - 3000
  - 3500
124. Lack of which element causes goiter?
- iron
  - calcium
  - Iodine
  - vitamin
125. What is the main source of protein ?
- rice
  - maize
  - wheat
  - legumes
126. Which of the following vitamin is not water soluble?
- vit A, B, C, D
  - Vit A, D, E, K
  - Vit A,B,C,E
  - a & b both
127. In which fruit is vitamin C found more ?
- Harro
  - Barro
  - Amala
  - Naspati
128. Which vitamin is not fat soluble ?
- Vit A
  - Vit B





- c. non communicable                      d. a & b both
170. In which condition flies and mosquitoes breeds more ?  
 a. disposal of waste openly              b. buried of waste  
 c. incinerated the waste                  d. composting
171. What is the best way of hospital waste disposal ?  
 a. buried                                      b. incineration  
 c. composting                                d. openly disposal
172. What is the site for BCG Vaccination ?  
 a. upper inner part of Lt. arm  
 b. upper outer part of Lt. arm  
 c. upper outer part of RT. arm  
 d. outer part of Rt. thigh
173. Mention the cause of death with diarrhoeal case  
 a. malnutrition                              b. over hydration  
 c. dehydration                                d. rehydration
174. What is the cause of leprosy ?  
 a. result of previous life                  b. cause of evil  
 c. defect of weather                        d. cause of bacteria
175. What is the easy idea to removing a shocking leech from our body ?  
 a. pulling                                      b. brushing  
 c. desect by pinching                      d. putting salt or tobacco.
176. Why does blood looks red ?  
 a. containing iron                          b. containing sulphor  
 c. dissolve urea in the blood              d. a & b both
177. How many system are there in human body ?  
 a. 7    b. 8  
 c. 9    d. 10
178. Nepal (paropakar sanstha) was stablist in .....  
 a. 2002                                        b. 2003  
 c. 2004                                        d. 2005
179. Which post is not sanction for the health post ?  
 a. ANM                                        b. AHW  
 c. HA    d. Staff nurse

180. How many days after menstrual cycle ovulation takes place in women normally?  
 a. 4 days                                      b. 7 days  
 c. 14 days                                      d. 21 days
181. Which of the following is prevention of disease ?  
 a. treats the disease promptly  
 b. complition of investigation  
 c. treat with traditional healer  
 d. giving health education
182. What is the normal urine storing capacity of urinary bladder ?  
 a. 600 ml                                      b. 500 ml  
 c. 400 ml                                      d. 300 ml
183. What is the reservoir of male urethra ?  
 a. 20 cm                                        b. 10 cm  
 c. 6 cm                                         d. 4 cm
184. What is the reservoir of vitamin?  
 a. plane diet                                  b. rice & wheat  
 c. green vegetable                         d. potato, wheat & barly
185. Tiredness, paining joints, drying mouth felt when climbing up to the *gosaikunda*, what may be the cause ?  
 a. lack of energy                              b. lack of willingness  
 c. lack oxygen                                d. none of the above
186. Convert 100°F in ° celcius.  
 a. 37.9°C                                      b. 38.9°C  
 c. 39.9°C                                      d. 40.9°C
187. Which food is to be reduced by the person suffuring for diabetis ?  
 a . green vegetables                        b. wheat and maize  
 c. sweety foods                                d. a &b both
188. In which condition salt and fat should not be consumed more in usual meal?  
 a. anaemia                                      b. low blood pressure  
 c. pneumonia                                 d. high blood pressure
189. Which is not the function of liver?  
 a. sotrage of nutrient                        b. fluid balancing

- c. purification of blood                      d. maintaining of temperature
190. Whose number (male or female) excess according to latest census?  
 a. male    b. female  
 c. equal    d. none of the above
191. What is the stomach pain that lasts for 1 or 2 days after child birth called?  
 a. Post labour pain                              b. Involution pain  
 c. After pain                                        d. All of the above
192. Where does heart lies?  
 a. Lt. side of the chest                          b. center of the chest  
 c. Rt. side of the chest                          d. equally situated
193. What is the life span of R. B. C.?  
 a. 110 days                                        b. 115 days  
 c. 120 days                                        d. 125 days
194. What is the canal extending out of urinary bladder called?  
 a. Ureter    b. Urethra  
 c. Uterus    d. Siminal vesicle
195. Which does not fall in male reproductive organ?  
 a. testes                      b. epididimis      c. overy              d. penis
196. How many chambers are there in the heart?  
 a. 5                      b. 4                      c. 3                      d. 2
197. Which organ is made by the combination of two bones?  
 a. Rt. thigh    b. upper arms  
 c. wrist    d. Lt. thigh
198. Which organ is affected by polio?  
 a. Intestine                                        b. liver  
 c. spleen    d. lungs
199. Which artery carries impure blood?  
 a. Carofid    b. brachial  
 c. pulmonary                                      d. redial
200. patient suffering from which disease take injection himself?  
 a. AIDS    b. gonorrhoea  
 c. high blood pressure                          d. diabetes
201. Which of the following does not fall in early sing of labour ?

- a. contraction of uterus                      b. show  
 c. blood vomiting                              d. dilation of vegina
202. What is red cross related to ?  
 a. economic development and politics  
 b. paropakar & social welfare  
 c. economic development and character build up  
 d. all of the above
203. Who is the incharge of primary health center ?  
 a. Dr. ( 8th level)                                b. Dr. ( 10th level )  
 c. Dr. (12th level )                              d. Dr. (9th level )
204. Among the 6 killer disease which one cause paralysis ?  
 a. TB    b. measles  
 c. tetanes                                         d. polio
205. Which service is provided in antinatal clinic?  
 a. Health education                              b. Physical checkup  
 c. TT vaccination                                d. All the above
206. How many ribs are there in our chest ?  
 a. 12     b. 24  
 c. 25     d. 26
207. Which is not problem of eye ?  
 a. conjuntivities                                 b. glucoma  
 c. contract                                         d. epistaxis
208. What is oral hygiene related to ?  
 a. cleaning of ear                                b. cleaning of head  
 c. cleaning of mouth                            d. a & b both
209. When did government of Nepal formulated the latest health program ?  
 a. 2047    b. 2048  
 c. 2049    d. 2050
210. How many bones are there in head ?  
 a. 22     b. 20  
 c. 18     d. 14
211. What is the number of HMIS on hospital OPD ticket ?  
 a. HMIS 1                                         b. HMIS 2  
 c. HMIS 3                                         d. HMIS 4

212. What is the HMIS 9 related to ?  
 a. maternal service register      b. MCH card  
 c. EPI register                      d. TT register
213. Which does not fall in digestive organ ?  
 a. oesophagus                      b. wind pipe  
 c. small intestine                  d. mouth
214. Where does appendix lies ?  
 a. just under the heart              b. under the liver  
 c. under the spleen                  d. under the stomach
215. Which one is breathing difficulties ?  
 a. asthma                              b. bronchitis  
 c. pneumonia                        d. all of the above
216. which is not communicable disease ?  
 a. cancer                                b. diabetes  
 c. high blood pressure              d. gonorrhoea
217. What do we call the disease with swelling of brain ?  
 a. encephalitis                        b. meningitis  
 c. endocarditis                        d. a & b both
218. Which is the incubation period of cholera ?  
 a. 2- 18 hrs                            b. 2- 78 hrs  
 c. 2- 90 hrs                            d. 2- 5 days
219. Which spreads plague ?  
 a. house fly                            b. rat  
 c. spider                                d. flea
220. What causes scabies ?  
 a. bacteria                              b. parasite  
 c. virus                                 d. fungus
221. Which is the targeted location for establishment primary health center?  
 a. each VDC                            c. each development region  
 c. each constitutional region      d. each municipality
222. Which is the longest bone found in human body ?  
 a. tibia                                 b. humerus  
 c. femur                                d. radius
223. Which is the purest water found in nature?

- a. tap                                      b. spring  
 c. rainfall                                d. tubewell
224. Which disease may spreads while examining the patient ?  
 a. conjunctivitis                      b. otitismedia  
 c. headache                            d. tonsillities
225. Which is not viral disease ?  
 a. poliomyelitis                        b. oestomyelitis  
 c. measles                              d. hepatitis
226. Where does destruction of R.B.C take place ?  
 a. bone marrow                        b. liver  
 c. spleen                                d. lymphnode
227. Which is the characteristics of water sealed latrine?  
 a. no chance to breeds insects      b. orderless  
 c. easy to keep clean                  d. a & b both
228. Who was the inventor of borehole latrine ?  
 a. Alexender fleming (1930)        b. Rock faller (1930)  
 c. Thomas walter (1930)            d. none of the above
229. What is the diameters of bored hole latrine ?  
 a. 50-60 cm                            b. 40-50 cm  
 c. 30-40 cm                            d. all of the above
230. What is the condition in which the plecenta does not come out within half an hour after child birth called ?  
 a. Retantion of urine                  b. Retantion of placenta  
 c. Retantion of stool                  d. Abortion
231. Which type of toilet is used in jet planes ?  
 a. water seal                            b. bore hole  
 c. chemical closest                  d. a & b both
232. What is the normal rate of foetal heart sound ?  
 a. 60-80/min                            b. 80-100/ min  
 c. 120- 160/min                        d. 160-200/min
234. Which is the characteristics of healthy kitchen ?  
 a. well ventilated with clean and bright  
 b. if there is no ventilation room should be clean  
 c. plenty of door and windows & ventilation



- d. all of the above
235. What is the present population of Nepal ?  
 a. 21 million                      b. 25 million  
 c. 26.4 million                      d. 32 million
236. What is nixing of inedible substance in edible substance by business man called ?  
 a. food adulteration                      b. food additives  
 b. food fortification                      d. none of the above
236. Which insects spreads kala-azar ?  
 a. mosquito                      b. house fly  
 c. seefly                      d. sand fly
237. What is the scientific name of the house mouse ?  
 a. Rattues                      b. Musmusculus  
 c. Ratus Norvegicus                      d. sewer rat
238. Which one is the ratio of pulse rate and respiratory rate ?  
 a. 1:3                      b. 2:4  
 c. 4:1                      d. 4:2
239. What should be the ratio of grains and legums in making sarbottam pitho ?  
 a. 1 part maize+ 1 part soybean+ 1 part wheat  
 b.  $\frac{1}{2}$  par rice +  $\frac{1}{2}$  maize + 2 part soybean  
 c. 1 part maize + 1 part soybean + 2 part rice  
 d. all of the above .
- 240 . After how many weeks pregnancy of a women can be noticed by plapation ?  
 a. 12 weeks      b. 16 weeks      c. 20 weeks      d. 4 weeks

**Answers:-**

1. b    2. a    3. a    4. c    5. c    6. d  
 7. c    8. b    9. a    10. c    11. b    12. c  
 13. b    14. d    15. c    16. a    17. b    18. c  
 19. a    20. c    21. b    22. a    23. a    24. d  
 25. c    26. a    27. c    28. d    29. b    30. b  
 31. d    32. a    33. c    38. b    39. d    40. c

41. d    42. c    43. b    44 d    45 c    46 d  
 47 a    48 b    49 c    50 b    51 a    52 b  
 53 c    54 a    55 d    56 d    57 c    58 a  
 59 b    60 c    61 b    62 c    63 d    64 b  
 65 c    66 b    67 c    68 d    69 b    70 d  
 71 d    72 d    73 c    74 a    75 a    76 b  
 77 d    78 b    79 c    80 c    81 b    82 a  
 83 b    84 c    85 b    86 a    87 b    88 c  
 89 a    90 b    91 c    92 b    93 a    94 d  
 95 a    96 a    97 b    98 c    99 d    100 a  
 101 b    102 d    103 d    104 b    105 d    106 b  
 107 a    108 d    109 b    110 a    111 b    112 d  
 113 a    114 d    115 c    116 a    117 d    118 c  
 119 d    120 c    121 a    122 c    123 b    124 c  
 125 d    126 b    127 c    128 b    129 c    130 b  
 131 d    132 c    133 d    134 d    135 c    136 a  
 137 c    138 b    139 c    140 d    141 d    142 b  
 143 c    144 d    145 c    146 a    147 c    148 a  
 149 b    150 a    151 d    152 b    153 c    154 b  
 155 d    156 a    157 c    158 a    159 a    160 c  
 161 d    162 c    163 b    164 a    165 c    166 b  
 167 b    168 c    169 b    170 a    171 b    172 c  
 172 c    174 d    175 d    176 a    177 c    178 c  
 179 d    180 c    181 d    182 b    183 a    184 c  
 185 c    186 a    187 c    188 d    189 c    190 b  
 191 c    192 a    193 c    194 b    195 c    196 b  
 197 c    198 a    199 c    200 d    201 c    202 b  
 203 a    204 d    205 d    206 b    207 d    208 c  
 209 b    210 a    211 d    212 b    213 b    214 b  
 215 a    216 d    217 a    218 a    219 d    220 b  
 221 c    222 c    223 c    224 a    225 b    226 c  
 227 d    228 b    229 c    230 b    231 c    232 c  
 233 a    234 c    235 a    236 d    237 B    238 C  
 239 b    240 a