

## Part A

### 1. Fundamental study

#### 2 marks Q

1. Write only names of triguna.
2. Write down relationship between Tridosha-Panchamahabhuta.

#### 5 marks Q

3. Write short note on Triguna-Tridosha relationship.
4. सर्वदासर्वभारानां .....| complete & explain.
5. सामान्यमेकत्रयमिति .....| complete & explain.
6. Write short note on lok-purusha samya sidhant.
7. Write short note on samanya vishesha sidhant.
8. Write short note on srotas.
9. िसगवदान िक्षेपे .....| complete & explain.

### 2. Sharir kriya purusha etc

#### 2 marks

10. Defination of sharir & sharira.
11. Write down synonym of term sharir.
12. Write down definition of kriya sharir.
13. Write down sharir and manas dosha.
14. Write down difference between sharir and sharira.
15. Write down components of purush.
16. Write down classification of purush.
17. Write down components of shat-dhatu purush.
18. Describe the relationship between sharir and manas dosha.
19. Define and write the synonym of term kriya.

#### 5 marks

20. Define the term sharir and write down difference between sharir and sharira.
21. Describe the mutual relationship between tridosh, triguna and panchmahabhoot.
22. Describe the component of purush and classification of purush.
23. Describe the role of shat-dhatupurush in kriya sharir and chikitsa



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24. Define and write down the synonym of term sharir and write down difference between term sharir and sharira.

25. Write the classification of purush and explain खादयस्चेतना

### 10 marks Q

26. Write the definition of sharir (शरीर) and describe the importance of kriya sharir.

27. Define the term sharir, write down its synonyms, difference between sharir and sharira and role of shat-dhatupurush in kriya sharir and chikitsa.

28. Describe the components of purush and classification of purush and its role in kriya sharir and chikitsa.

29. Describe sharir and manas dosha and mutual relationship between triguna, tridosh and panchmahabhoot.

### 3. Dosha

#### 2 marks Q

30. Write down relation between rutu and mahabhoota.

31. Write down relation between rutu and rogotpatti.

32. Write only qualities of vata dosha.

33. Define only prakrut and vikrut dosha.

34. Define जन्ममरणोन्तरालाभाविर्निर्दिष्टाणि दोषस्तिथिः ।

35. िकृताडिकृता देहमधनन्त ते तवयिन्त च । Explain.

#### 5 marks Q

36. Define दोषधातुमलमुलां हि शरीरां ।

37. Explain तत्र दोषमेकैकां त्रयस्त्रयो रसा जनयिन्त, त्रयत्रयस्त्रयोपशमयिन्त ।

38. Explain योऽहोरात्रिभुक्तानां तेऽनन्तम्याददगाः क्रमात् । अ. ह. सू ।

39. Write short note of biological rhythm of tridosha.

#### 10 marks Q

40. Describe sharir dosha.

#### 4. Vata dosha

##### 2 marks Q

41. Name only properties of vata dosha.
42. Write down general location of vata dosha.
43. Write down only types of vata dosha.
44. Name only general location of prana vayu.
45. Write only functions of prana vayu.
46. Write only general location of udana vayu.
47. Write only functions of udana vayu
48. Write only general location of saman vayu
49. Write only function of saman vayu.
50. Write only general location of apana vayu.
51. Write only functions of apana vayu.
52. Write only general location of vyana vayu.
53. Write only function of vyana vayu.

##### 5 marks Q

54. Write general location and properties of vata dosha.
55. Write short note on - prana vayu
56. Write short note on - Vyana vayu
57. Write short note on -Udana vayu.
58. Write short note on - Apana vayu
59. Write short note on - Saman vayu
60. Write in detail functions of vata dosha.
61. समानोअिनिः समीपस्ि .....

.....मुञ्चित |

Complete and explain in detail.

62. युस्तन्त्र यन्त्र.....| Explain.

63. Explain in detail and complete

नाभिस्िः प्रािपनिः .....|

64. Explain physiology of respiration in Ayurveda.
65. Explain physiology of speech in Ayurveda.

**10 marks Q**

66. Explain in detail about vata dosha locations, properties, functions and sub types.

**5. Pitta Dosha.****2 marks Q**

- 67. Name only properties of pitta dosha.
- 68. Write only general location of ranjak pitta.
- 69. Write only function of ranjak pitta.
- 70. Write only general location of bhraja pitta.
- 71. Write only function of bhraja pitta.
- 72. Write only general location of pachak pitta.
- 73. Write only functions of pachak pitta.
- 74. Write only general location of sadhak pitta.
- 75. Write only function of sadhak pitta.
- 76. Write only general location of alochak pitta.
- 77. Write only functions of alochak pitta.

**5 marks Q**

- 78. अग्निः एव शरीरे पित्तान्तर्गतातिः.....| Explain & complete.
- 79. Explain the difference between agni & pitta.
- 80. Write short note on - Pachak Pitta
- 81. Write short note on - Ranjak Pitta
- 82. Write short note on - Bhraja Pitta
- 83. Write short note on - Alochak Pitta
- 84. Write short note on - Sadhak Pitta
- 85. Write in detail general functions of Pitta dosha.

**10 marks Q**

86. Explain in detail about Pitta dosha locations, properties, functions and sub types.

## 6. Kapha dosha

### 2 marks Q

87. Name only properties of kapha dosha.
88. Write only general location of kledak kapha.
89. Write only functions of kledak kapha.
90. Write only general location of tarpak kapha.
91. Write only functions of tarpak kapha.
92. Write only general location of bodhak kapha.
93. Write only functions of bodhak kapha.
94. Write only general location of shleshak kapha.
95. Write only functions of shleshak kapha.
96. Write only general location of avalambak kapha.
97. Write only functions of avalambak kapha.

### 5 marks Q

98. प्रकृतस्तु बलां .....| Complete and explain.
99. सोमएर् शरीरे श्लेष्मान्तगवति:.....| Complete and explain.
100. Write short note on - Avalambak Kapha.
101. Write short note on - Tarpak Kapha.
102. Write short note on - Shleshak Kapha.
103. Write short note on - Bodhak Kapha.
104. Write short note on - Kledak Kapha.
105. Write in detail general functions of Kapha dosha.

### 10 marks Q

106. Explain in detail about Kapha dosha locations, properties, functions and sub types.

## **7. Dosha vruddhi kshaya.**

### **2 marks Q**

- 107. Write down factors responsible for vata vruddhi.
- 108. Write down factors responsible for pitta vruddhi.
- 109. Write down factors responsible for kapha vruddhi.

### **5 marks Q**

- 110. Manifestation of vata dosha vruddhi.
- 111. Manifestation of pitta dosha vruddhi.
- 112. Manifestation of kapha dosha vruddhi.
- 113. Manifestation of vata dosha kshaya.
- 114. Manifestation of pitta dosha kshaya.
- 115. Manifestation of kapha dosha kshaya.

## **8. Concept of Kriya kala.**

### **2 marks Q**

- 116. Name only stages of kriya kala.
- 117. Write only six stage of Kriya-kala.

### **5 marks Q**

- 118. Explain Concept of Kriya-kala.
- 119. Describe in detail about Shatkriyakala.

## **9. Prakriti**

[a] Deha

### **2 marks Q**

- 120. Write only names of different types of Deha Prakriti.

- 121. Write only names of intra uterine factors affecting Deha Prakriti.
- 122. Write only names of extra uterine factors affecting Deha Prakriti.
- 123. Write only names of Bhautik Prakriti.
- 124. Write only names of Jatyadi Prakriti.

**5 marks Q**

- 125. Describe features of Vata Prakriti.
- 126. Describe various types of Prakriti.
- 127. Write the features of Pitta Prakriti Purusha.
- 128. Describe features of Kapha Prakriti.
- 129. Describe intrauterine factors affecting Deha Prakriti.

**10 marks Q**

- 130. Describe in detail about classification of Prakriti.
- 131. Describe the characteristics of Vata Prakriti.
- 132. Describe the characteristics of Pitta Prakriti.
- 133. Describe the characteristics of Kapha Prakriti.
- 134. Write the nirukti of Prakriti, factors that influencing the Dosha Prakriti & characteristic features of **Vata** Prakriti.
- 135. Write the nirukti of Prakriti, factors that influencing the Dosha Prakriti & characteristic features of **Pitta** Prakriti.
- 136. Write the nirukti of Prakriti, factors that influencing the Dosha Prakriti & characteristic features of **Kapha** Prakriti.
- 137. Describe Deha Prakriti in detail.
- 138. Explain the term Prakriti with its nirukti & classification, describe the features of Kapha Prakriti.
- 139. Define Prakriti? Write the Prakriti nirmankar bhav & explain its types in detail.

**[B] Manas**

**2 marks Q**

- 140. Write only names of different types of **Manas** Prakriti.
- 141. Write only names of different types of **Satvic** Prakriti. (any four)
- 142. Write only names of different types of **Rajasic** Prakriti. (any four)
- 143. Write only names of different types of **Tamsic** Prakriti.
- 144. Write the names of Manas Dosha & types of Prakriti.



**5 marks Q**

145. Write about types of Manas Prakriti.

**10 marks Q**

146. Write in detail about classification & features of different types of Manas Prakriti.

**10. Ahar**

**2 marks Q**

147. Write only the names of Ahar Parinamkar Bhav.

148. Define Ahar?

149. Write only names of Ahar-vidhi-visheshaytanani.

150. Write the definition of Ahar.

**5 marks Q**

151. Describe the Ahar Vidhi Vidhana.

152. Write about Ahar parinamkar Bhav.

153. Write about Ashta Ahar vidhi Visheshaytana.

**10 marks Q**

154. Describe Ahar Parinamkar Bhav in Detail.

155. Write in detail about the classification & significance of Ahar.

156. Explain the Ashta Aharvidhi visheshaytana in detail.

**11. Aharpaka**

**2 marks Q**

157. Write the mula of Anavaha Srotas.

**10 marks Q**

158. Explain Ahar Paka (process of digestion) in detail.

159. Explain the term Ahar, Describe the Annavahasrotas & role of Grahani in Ahar Paka.

**12. Avasthapaka**

**2 marks Q**

- 160. Name the types of Koshtha.
- 161. How many types of Koshtha? Write only name.
- 162. Write Lakshanas of Mridu Koshtha.
- 163. Write Lakshanas of Madhyam Koshtha.
- 164. Write Lakshanas of krura Koshtha.
- 165. Write Lakshanas of Sama Koshtha.

**5 marks Q**

- 166. Write classification of Koshtha with its characteristics.
- 167. Define Nishthapaka Prakriya.
- 168. Describe Avasthapaka (Madhur, Amla, Katu).

**10 marks Q**

- 169. Explain Trividha Avasthapaka & differentiate with vipaka.
- 170. Describe Koshtha & Avasthapaka in detail.

**13. Agni**

**2 marks Q**

- 171. Write only types of Agni.
- 172. Name the types of Agni.
- 173. Write the synonyms of Agni.
- 174. Write about the importance of Agni.
- 175. Write only names of Bhautikagni.

**5 marks Q**

- 176. Write the classification of Agni & function of Bhutagni.
- 177. Write the classification of Agni & function of Dhatwagni.
- 178. Write about types of Agni & its importance.

**10 marks Q**

- 179. Define the term Agni, write about types of Agni & importance of it in digestion process.

## **PART – B**

### **MODERN PHYSIOLOGY**

**[A].**

**2 marks Q**

- 180. Define homeostasis.
- 181. Which are the components of homeostatic system.
- 182. Define positive feedback mechanism.
- 183. Define negative feedback mechanism.
- 184. Write only names of transport mechanism across cell membrane.
- 185. Write the difference between diffusion & osmosis.

**5 marks Q**

- 186. Write a short note on feedback system.
- 187. Define homeostasis & write the components of homeostatic system.
- 188. Write cell physiology.
- 189. Write the functions of endoplasmic reticulum.
- 190. Write the functions of nucleus.
- 191. Write the functions of peroxisomes.

**10 marks Q**

- 192. Explain the transportation of various substances across the cell membrane.
- 193. Explain the cell physiology in detail.
- 194. Explain homeostasis in detail.

**[B]**

**5 marks Q**

- 195. Write about action potential.
- 196. Explain resting membrane potential.

**[C]**

**2 marks Q**

- 197. Define asphyxia?
- 198. Define pulmonary ventilation.

199. Where the gaseous exchange occurs in lung?
200. What is the tidal volume?
201. What is the average total lung capacity & vital capacity?
202. Write the definition of ventilation.
203. What is tissue respiration?
204. What is hypoxia?
205. What is ventilation?
206. Write only names of pulmonary functions test.

**5 marks Q**

207. Describe the mechanism of respiration.
208. What is artificial respiration? Name the types and give brief detail about it.
209. Write about neural and chemical control of respiration.
210. Write about exchange & transport of gases.
211. Write about ventilation.
212. Define inspiration process in respiration.
213. Define expiration process in respiration.
214. Write the reasons of left shifting of oxyhemoglobin dissociation curve.

[D]

**2 marks Q**

215. Write only full form of EEG and ECG.
216. Write only full form of CSF and EEG.
217. Write the classification of nerve cells/ fibers on the basis of function.
218. Write the classification of nerve cells/ fibers on the basis of neurotransmitter.
219. Name only parts of neuron.
220. What is neuron?
221. Write the functions of pons in brief.
222. Give the full form of ANS & PNS.
223. Give the full form of EEG & PNS.
224. Write the definition of reflex.
225. What is EEG?
226. What is CSF?

**5 marks Q**

- 227. Write down function of cerebellum.
- 228. Write down pain pathway and analgesic pathway.
- 229. Write down functions of pons.
- 230. Write down functions of thalamus.
- 231. Write only names of function of hypothalamus.
- 232. Write the definition, types and stages of sleep according to modern.
- 233. Write down definition, mechanism and areas involved in the development of speech
- 234. Write the properties and composition of CSF.
- 235. Write the function of the CSF.
- 236. Write the full form of BBB, its definition and functions.
- 237. Write the function of ANS.
- 238. Write down the pathway for temperature sensation?
- 239. Write the physiological changes during sleep?
- 240. Write the function of sympathetic division of ANS?
- 241. Write the function of parasympathetic division of ANS?
- 242. Explain taste pathway.
- 243. Explain olfactory pathway.
- 244. Explain visual pathway.
- 245. Explain optic pathway.
- 246. Explain auditory pathway.
- 247. Describe functions of CNS.
- 248. Write about peripheral nervous system.
- 249. Write mechanism of smell.
- 250. Write physiology of temperature regulation.

**10 marks Q**

- 251. Describe physiology of CNS (Central nervous system).
- 252. Write about physiology of central nervous system.
- 253. Explain the functions of cerebrum & medulla oblongata; write about the physiology of sleep.
- 254. Write about the mechanism of propagation of nerve impulse.

**[E]**

**2 marks Q**

- 255. Write briefly about the secretion of stomach.
- 256. Write the functions of bile in brief.
- 257. Write about functions of gastric lipase
- 258. Write only the names of bile salts.
- 259. Write only two functions of large intestine.
- 260. Write the parts or chambers of internal ear with their separating membranes.
- 261. What is the function of amylase?
- 262. Write only two names of salivary glands.

**5 marks Q**

- 263. The salivary glands, its secretion, function and composition.
- 264. Write the exocrine function of pancreas.
- 265. Write the function of gastric juice.
- 266. Write the function of succus entericus.
- 267. Write the function of liver.
- 268. Write properties and function of bile.
- 269. Write the function and composition of pancreatic juice.
- 270. Write functions of pancreas.
- 271. Write about composition of gastric juice.
- 272. Write about digestion process taking place in small intestine.
- 273. Explain the role of bile salts in absorption of fat.
- 274. Write about composition of bile in short.
- 275. Define the main functions of liver in short.
- 276. Write the pH value of saliva, gastric juice, pancreatic juice & bile.

**10 marks Q**

- 277. Describe the digestion in stomach.
- 278. Explain the digestion in small intestine in detail.
- 279. Write about enteric nervous system.
- 280. Describe digestion of carbohydrate.
- 281. Describe functions of liver in detail.
- 282. Describe digestion of protein.
- 283. Write about the gastric juice & digestion in stomach.
- 284. Explain the physiology of pancreas in detail.

285. Define the functions of salivary glands.  
286. Explain physiology of stomach in detail.

[F]

**2 marks Q**

287. Define hypervitaminosis.  
288. Write the daily requirement of iodine & iron as minerals.  
289. Write the name of two disaccharides.  
290. Write only the names of vitamins.  
291. Write only name of water soluble vitamins  
292. Write only name of fat soluble vitamins.  
293. Write only two functions of vitamin A.  
294. Write only two functions of calcium.  
295. Write the deficiency symptoms of vitamin B3.  
296. Write the two forms of vitamin D.  
297. Write the deficiency sign of vitamin D.  
298. Write the function of vitamin C (any two).  
299. Write the function of vitamin B12 (any two).  
300. Write the function of vitamin B2 (any two).  
301. Write the function of folic acid (any two).  
302. Write only two names of mineral salts.  
303. Write the function of vitamin E (any two).  
304. Write the function of vitamin K (any two).  
305. Write the manifestation of hypervitaminosis of vitamin A.  
306. Write the manifestation of hypervitaminosis of vitamin D.  
307. Write the manifestation of hypervitaminosis of vitamin E.  
308. Write the manifestation of hypervitaminosis of vitamin K.  
309. Write the manifestation of deficiency of zinc.  
310. Write the manifestation of deficiency of iron.  
311. Write the manifestation of deficiency of calcium.  
312. Write the manifestation of deficiency of phosphate.  
313. Write only name of basic components of food.  
314. Write the sources of vitamin D.  
315. Write the sources of vitamin C.  
316. Write the sources of vitamin B12.  
317. Write the sources of vitamin E.  
318. Write the sources of vitamin K.



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- 319. Write the sources of vitamin B2.
- 320. Write the sources of vitamin A.
- 321. Write about daily requirement of vitamin K.
- 322. Write the sources of vitamin B6

**5 marks Q**

- 323. Write the daily dose, functions, and deficiency signs of vitamin A.
- 324. Write the daily dose, functions, and deficiency signs of vitamin D.
- 325. Write the manifestation of hyper and hypo vitaminosis of vitamin A.
- 326. Write the manifestation of hyper and hypo vitaminosis of vitamin D.
- 327. Describe the metabolism of fat.
- 328. Describe the metabolism of protein.
- 329. Describe the metabolism of carbohydrate.
- 330. How many ATP molecules are made from one glucose molecule after complete oxidation.
- 331. What is mineral salts? Explain in short.
- 332. Explain the digestion & metabolism of protein.

**10 marks Q**

- 333. Write in detail about sources, daily requirements, functions and manifestation of hyper and hypo vitaminosis of vitamin A.
- 334. Write in detail about sources, daily requirements, functions and manifestation of hyper and hypo vitaminosis of vitamin D.
- 335. Write the functions of vitamin B-complex.
- 336. Write the importance of vitamins & minerals, explain the role of vitamin- A in vision.
- 337. Define the functions, sources & daily requirement of vitamin D.