

- 01.** Mala of Medo dhatu is :
 (1) Mutra (2) Sveda
 (3) Purisha (4) Medo roga
- 02.** Takrarista is indicated in which disease ?
 (1) Sandhivata (2) Gridhrasi
 (3) Urustambha (4) Grahani
- 03.** The synonym of Rasakriya is :
 (1) Kalka (2) Avaleha
 (3) Churna (4) Vati
- 04.** According to Charak Samhita, Sankhapushpi should be used as Medhya Rasayana in form of :
 (1) Svarasa (2) Churna
 (3) Kalka (4) Kwatha
- 05.** Main Kalpana of Snehapana is :
 (1) Vasti (2) Yusha
 (3) Audan (4) Acchapeya
- 06.** Use of Kalyanaka Ghrita is described in Kashyapa Samhita in :
 (1) Vedanadhayaya (2) Lehadhayaya
 (3) Dantajanmika adhayaya (4) Visesa Kalpa adhayaya
- 07.** Vamana is the choice of treatment in which type of ajirna :
 (1) Amajirna (2) Vidagdhajirna
 (3) Vistabdhajirna (4) Rasasesajirna
- 08.** According to Charak Samhita, pure blood resembles the colour of :
 (1) Gunja phala (2) Bhallataka phala
 (3) Udumbara phala (4) Madhuka phala

09. Which of the following drug is **not** Yogavahi ?

- (1) Draksha (2) Pippali
(3) Madhu (4) Ghrita

10. Gunja is enumerated in Gana called :

- (1) Upavisha (2) Visha
(3) Mahavisha (4) Garavisha

11. 'Headache' according to Caraka Samhita, may be a feature of undue suppression of the following natural urges :

- (1) स्वदे, मूत्र, क्षुधा (Sveda, Mutra, and Kshudha)
(2) मूत्र, पुरीष, क्षवथु (Mutra, Purisha, and Kshavathu)
(3) अश्रु, हिक्का, मूत्र (Ashru, Hikka, and Mutra)
(4) पुरीष, तृष्णा, वात (Purisha, Trishna, and Vata)

12. You are writing a scientific paper and have included a paragraph from some other published paper without any change. In this case, which one of the options is WRONG ?

- (1) It constitutes plagiarism
(2) Whether it constitutes plagiarism or not- will depend on whether the original paper is cited or not
(3) It does not constitute plagiarism if it is paraphrased and the original paper is cited
(4) It is not plagiarism, but it is fabrication.

13. According to Caraka Samhita, which one of the following statements is CORRECT in case of खालित्य (Khalitya) -hairfall, पालित्य (Palitya)- premature greying of hair, and अकाल वली (Akala Vali)- premature wrinkling of the skin ?
- (1) Manifest in people who consume excessive लवण (Lavana)
 - (2) Manifest in people who belong to पित्त प्रकृति (Pitta constitution)
 - (3) कनकारिष्ट -(Kanakarishta) is used to treat these manifestations
 - (4) All the above are TRUE
14. Identify the CORRECT statement that states the difference between Google Scholar and PubMed Central :
- (1) Google Scholar gives access to full-text whereas PubMed Central gives access to only abstracts
 - (2) Google scholar is a search engine to search the scholarly literature whereas PubMed Central is a digital repository of the biomedical and life sciences journal literature
 - (3) Google scholar is specific to biomedical research whereas PubMed is non-specific
 - (4) Citations on Google scholar are considered for awarding impact factor to a journal whereas the citations on PubMed are not considered

15. Of the following statements related to रस (Rasa), identify the one that is INCORRECT :

- (1) The term रस (Rasa) stands for all the fluids that flow in the body, including रुधिर (Rudhira)
- (2) व्यान वायु (Vyana Vayu) makes the movement of रस (Rasa) from the heart possible, whereas, समान वायु (Samana Vayu) takes रस(Rasa) towards हृदय(Hridaya)
- (3) If रस (Rasa) remains improperly transformed because of weak अग्नि (Agni), it becomes आम (Aama).
- (4) रस (Rasa) moves in the body in the fashion that is similar to the movement of अश्व (horse) हिरण (deer)and व्याघ्र (tiger)

16. Fill in the blank with the correct option :

..... पाक आहारः प्राप्य केवलम् ।

पक्वः सर्वाशयं पश्चात् धमनीभिः प्रपद्यते ।

- | | |
|----------------|---------------|
| (1) पक्वाशयगतः | (2) आमाशयगतः |
| (3) यकृतगतः | (4) प्लीहागतः |

17. Parasympathetic activity :

- (1) it increases basal metabolic rate
- (2) Affects only smooth muscles and glands.
- (3) Causes of relaxation of the ciliary muscle of the eye to allow accommodation for far vision.
- (4) Contracts smooth muscle of the gastrointestinal wall and relaxes the gastrointestinal sphincter.

18. The sweat glands and piloerector muscles of hairy skin are innervated by which of the following fibre types ?
- (1) Cholinergic postganglionic parasympathetic fibers
 - (2) Cholinergic postganglionic sympathetic fibers
 - (3) Adrenergic preganglionic parasympathetic fibers
 - (4) Adrenergic postganglionic sympathetic fibers
19. Choose correct function of Sveda according to Vagbhata :
- (1) स्वेदस्य क्लेदवाहनम्
 - (2) स्वेदस्य क्लेद विधृतिः
 - (3) स्वेदस्य क्लेद पूरणम्
 - (4) स्वेदस्य क्लेद विकृति
20. स दुग्धेन अपि विरिच्यते stands for :
- (1) समकोष्ठ
 - (2) कूरकोष्ठ
 - (3) मध्यकोष्ठ
 - (4) मृदुकोष्ठ
21. Fast muscle fibers have :
- (1) More extensive blood vessel system and capillaries to supply extra amount of oxygen
 - (2) Extensive sarcoplasmic reticulum for rapid release of calcium ions to initiate contraction
 - (3) Small fibers
 - (4) Greatly increased number of mitochondria
22. Following is **not** true about human insulin :
- (1) It increases glucose uptake by the cells
 - (2) It is composed of two polypeptide chains: chain A has 21 amino acids and chain B has 30 amino acids.
 - (3) It reduces potassium uptake by the cells
 - (4) It increase amino acid uptake by the cells

23. शीर्यन्त इव चास्थीनि दुर्बलानि लघूनि च, प्रततं वातरोगीणि, Which one of the following have these features :
- (1) Asthi dhatu Kshaya (2) Vata kshaya
(3) Meda Dhatu kshaya (4) Mazza Dhatu kshaya
24. Which one of the following Acharya has told teeth as the updhātu of Asthi :
- (1) Sharangadhar (2) Dalhana
(3) Chakrapani (4) Arundutta
25. For young healthy men resting cardiac output averages about :
- (1) 4.9 L/min (2) 5.6 L/min
(3) 2.4 L/min (4) 4 L/min
26. A functional hemisection of the spinal cord causes :
- (1) Brown-Sequard syndrome (2) Cushing Syndrome
(3) Gullein Berry Syndrome (4) Grave's Disease
27. The secretion of which of the following would be least affected by a decrease in extracellular fluid volume ?
- (1) CRH (2) Vasopressin
(3) Aldosterone (4) Estrogens

28. Airway resistance :

- (1) is increased if the lungs are removed and inflated with saline
- (2) does not affect the work of breathing
- (3) is increased in paraplegic patients
- (4) is increased in astham

29. *Shukra dhara kala* is present all over body is described in :

- (1) *Charak Sutra Sthan*
- (2) *Ashtang Sangrah Sutra Sthan*
- (3) *Sharangdhar Samhita*
- (4) *Sushruta Sharir Sthan*

30. Smriti is described as the function of :

- (1) *Pran Vayu*
- (2) *Vyan Vayu*
- (3) *Alochak Pitta*
- (4) *Udan Vayu*

31. Which one of following is considered as *Pavanottam* by Acharya Sushruta :

- (1) *Pran Vayu*
- (2) *Vyan Vayu*
- (3) *Udan Vayu*
- (4) *Samana Vayu*

32. *Sarvgrah and Parigrh Rashi* of Aahar is described in :

- | | |
|------------------------|---------------------------|
| (1) Charak Sutra Sthan | (2) Charak Chikitsa Sthan |
| (3) Charak Nidan Sthan | (4) Charak Viman Sthan |

33. Aamashyaya is the main site of Ranjak Pitta is stated by :

- | | |
|-----------------------|-------------------------|
| (1) Acharya Charak | (2) Acharya Sushruta |
| (3) Acharya Vagbhatta | (4) Acharya Sharangdhar |

34. Normal Value of albumin in blood is :

- | | |
|------------------|------------------|
| (1) 1.5-2.5mg/dl | (2) 2.5-3.5mg/dl |
| (3) 2.5-3.5gm/dl | (4) 3.5-5.0gm/dl |

35. Normal Value of functional Residual Capacity is :

- | | |
|------------|------------|
| (1) 500ml | (2) 2300ml |
| (3) 2500ml | (4) 2200ml |

36. Prominent U waves in ECG may be seen in the following conditions :

- (1) First degree AV Block, Sick Sinus Syndrome
- (2) Hypokalemia, Hypercalcemia, Thyrotoxicosis
- (3) Hyperkalemia, Hepocalcemia, Hypothyroidism
- (4) Second degree AV Block, Ectopic beats

37. Which one of the following test is **not** used for the assessment of Adrenal Function :

- (1) Metyrapone Test
- (2) Dexamethasone Suppression Test
- (3) Kepler's Water Excretion Test
- (4) ERCP

38. Which one of the following is **not** the general effect of Panhypopituitarism :
- (1) Hypothyroidism
 - (2) Depressed production of glucocorticoids
 - (3) Hyperthyroidism
 - (4) Suppressed secretion of gonadotropic hormones
39. Inability to recognize face is known as :
- | | |
|-------------------|--------------|
| (1) Prosopagnosia | (2) Dyslexia |
| (3) Stuttering | (4) Aphasia |
40. Persistence of lactation and amenorrhea in women who do not nurse after delivery is known as :
- | | |
|--------------------------|-----------------------------|
| (1) Wolf Chaikoff effect | (2) Chiari-Frommel Syndrome |
| (3) Addisonian Crisis | (4) Conn's Syndrome |

Short Answer Questions

Note : Attempt any **five** questions. Write answer in **150-200** words. Each question carries **16** marks. Answer each question on separate page after writing Question Number.

01. How will you calculate the sample size in different types of studies ?
02. Describe different phases of clinical trials.
03. Explain differences between qualitative and quantitative research.
04. What possible objective parameters you will plan for the study of different types of sara.
05. Describe the concept of Immunity described in Ayurveda
06. Discuss the recent advances in the field of Prakriti
07. Describe the significance of theories of Dhatu Poshana
08. Describe about cohort studies and case control studies.
09. Describe the significance of correlation by giving few examples.
10. Discuss about parametric and non parametric test.