

24

Set No. : 1

Question Booklet No.

RET/17/TEST-B

610

Kriya Sharir

(To be filled up by the candidate by blue/black ball point pen)

Roll No.

| | | | | | | | | | |
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Roll No. (Write the digits in words)

Serial No. of OMR Answer Sheet

Day and Date

(Signature of Invigilator)

INSTRUCTIONS TO CANDIDATES

(Use only blue/black ball-point pen in the space above and on both sides of the Answer Sheet)

1. Within 30 minutes of the issue of the Question Booklet, Please ensure that you have got the correct booklet and it contains all the pages in correct sequence and no page/question is missing. In case of faulty Question Booklet, Bring it to the notice of the Superintendent/Invigilators immediately to obtain a fresh Question Booklet.
2. Do not bring any loose paper, written or blank, inside the Examination Hall *except the Admit Card without its envelope.*
3. *A separate Answer Sheet is given. It should not be folded or mutilated. A second Answer Sheet shall not be provided.*
4. Write your Roll Number and Serial Number of the Answer Sheet by pen in the space provided above.
5. *On the front page of the Answer Sheet, write by pen your Roll Number in the space provided at the top, and by darkening the circles at the bottom. Also, wherever applicable, write the Question Booklet Number and the Set Number in appropriate places.*
6. *No overwriting is allowed in the entries of Roll No., Question Booklet No. and Set No. (if any) on OMR sheet and Roll No. and OMR sheet no. on the Question Booklet.*
7. *Any change in the aforesaid entries is to be verified by the invigilator, otherwise it will be taken as unfair means.*
8. *This Booklet contains 40 multiple choice questions followed by 10 short answer questions. For each MCQ, you are to record the correct option on the Answer Sheet by darkening the appropriate circle in the corresponding row of the Answer Sheet, by pen as mentioned in the guidelines given on the first page of the Answer Sheet. For answering any five short Answer Questions use five Blank pages attached at the end of this Question Booklet.*
9. For each question, darken only **one** circle on the Answer Sheet. If you darken more than one circle or darken a circle partially, the answer will be treated as incorrect.
10. *Note that the answer once filled in ink cannot be changed. If you do not wish to attempt a question, leave all the circles in the corresponding row blank (such question will be awarded zero marks).*
11. For rough work, use the inner back pages of the title cover and the blank page at the end of this Booklet.
12. *Deposit both OMR Answer Sheet and Question Booklet at the end of the Test.*
13. You are not permitted to leave the Examination Hall until the end of the Test.
14. If a candidate attempts to use any form of unfair means, he/she shall be liable to such punishment as the University may determine and impose on him/her.

Total No. of Printed Pages : 20

ROUGH WORK
रफ़ कार्य

Research Entrance Test-2017

No. of Questions : 50

प्रश्नों की संख्या : 50

Time : 2 Hours

Full Marks : 200

समय : 2 घण्टे

पूर्णाङ्क : 200

Note: (1) This Question Booklet contains **40** Multiple Choice Questions followed by **10** Short Answer Questions.

इस प्रश्न पुस्तिका में **40** वस्तुनिष्ठ व **10** लघु उत्तरीय प्रश्न हैं।

(2) Attempt as many MCQs as you can. Each MCQ carries **3 (Three)** marks. **1 (One)** mark will be deducted for each incorrect answer. **Zero** mark will be awarded for each unattempted question. If more than one alternative answers of MCQs seem to be approximate to the correct answer, choose the closest one.

अधिकाधिक वस्तुनिष्ठ प्रश्नों को हल करने का प्रयत्न करें। प्रत्येक वस्तुनिष्ठ प्रश्न **3 (तीन)** अंकों का है। प्रत्येक गलत उत्तर के लिए **1 (एक)** अंक काटा जायेगा। प्रत्येक अनुत्तरित प्रश्न का प्राप्तांक शून्य होगा। यदि वस्तुनिष्ठ प्रश्नों के एकाधिक वैकल्पिक उत्तर सही उत्तर के निकट प्रतीत हों, तो निकटतम सही उत्तर दें।

(3) Answer only **5** Short Answer Questions. Each question carries **16 (Sixteen)** marks and should be answered in **150-200** words. Blank **5 (Five)** pages attached with this booklet shall only be used for the purpose. Answer each question on separate page, after writing Question No.

केवल **5 (पाँच)** लघुउत्तरीय प्रश्नों के उत्तर दें। प्रत्येक प्रश्न **16 (सोलह)** अंकों का है तथा उनका उत्तर **150-200** शब्दों के बीच होना चाहिए। इसके लिए इस पुस्तिका में लगे हुए सादे **5 (पाँच)** पृष्ठों का ही उपयोग आवश्यक है। प्रत्येक प्रश्न का उत्तर एक नए पृष्ठ से, प्रश्न संख्या लिखकर शुरू करें।

- 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 :

..... पाकं 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) क्रूरकोष्ठ |
| (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 updhatu of Asthi :

- | | |
|------------------|---------------|
| (1) Sharangadhar | (2) Dalhana |
| (3) Chakrapani | (4) Arundutta |

25. For young healthy men resting cardiag 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) <i>Pran Vayu</i> | (2) <i>Vyan Vayu</i> |
| (3) <i>Alochak Pitta</i> | (4) <i>Udan Vayu</i> |

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

- | | |
|----------------------|------------------------|
| (1) <i>Pran Vayu</i> | (2) <i>Vyan Vayu</i> |
| (3) <i>Udan Vayu</i> | (4) <i>Samana Vayu</i> |

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.

Question No.

Page for Short Answer

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ROUGH WORK
रफ़ कार्य

अभ्याय का 1।ए।1।द१।

(इस पुस्तिका के प्रथम आवरण पृष्ठ पर तथा उत्तर-पत्र के दोनों पृष्ठों पर केवल नीली-काली बाल-प्वाइंट पेन से ही लिखें)

1. प्रश्न पुस्तिका मिलने के 30 मिनट के अन्दर ही देख लें कि प्रश्नपत्र में सभी पृष्ठ मौजूद हैं और कोई प्रश्न छूटा नहीं है। पुस्तिका दोषयुक्त पाये जाने पर इसका सूचना तत्काल कक्ष-निरीक्षक को देकर सम्पूर्ण प्रश्नपत्र का दूसरी पुस्तिका प्राप्त कर लें।
2. परीक्षा भवन में लिफाफा रहित प्रवेश-पत्र के अतिरिक्त, लिखा या सादा कोई भी खुला कागज साथ में न लायें।
3. उत्तर-पत्र अलग से दिया गया है। इसे न तो मोड़ें और न ही विकृत करें। दूसरा उत्तर-पत्र नहीं दिया जायेगा। केवल उत्तर-पत्र का ही मूल्यांकन किया जायेगा।
4. अपना अनुक्रमांक तथा उत्तर-पत्र का क्रमांक प्रथम आवरण-पृष्ठ पर पेन से निर्धारित स्थान पर लिखें।
5. उत्तर-पत्र के प्रथम पृष्ठ पर पेन से अपना अनुक्रमांक निर्धारित स्थान पर लिखें तथा नीचे दिये वृत्तों को गाढ़ा कर दें। जहाँ-जहाँ आवश्यक हो वहाँ प्रश्न-पुस्तिका का क्रमांक तथा सेट का नम्बर उचित स्थानों पर लिखें।
6. ओ० एम० आर० पत्र पर अनुक्रमांक संख्या, प्रश्नपुस्तिका संख्या व सेट संख्या (यदि कोई हो) तथा प्रश्नपुस्तिका पर अनुक्रमांक और ओ० एम० आर० पत्र संख्या की प्रविष्टियों में उपरिलेखन की अनुमति नहीं है।
7. उपर्युक्त प्रविष्टियों में कोई भी परिवर्तन कक्ष निरीक्षक द्वारा प्रमाणित होना चाहिये अन्यथा यह एक अनुचित साधन का प्रयोग माना जायेगा।
8. प्रश्न-पुस्तिका में प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं। प्रत्येक प्रश्न के वैकल्पिक उत्तर के लिए आपको उत्तर-पत्र की सम्बन्धित पंक्ति के सामने दिये गये वृत्त को उत्तर-पत्र के प्रथम पृष्ठ पर दिये गये निर्देशों के अनुसार पेन से गाढ़ा करना है।
9. प्रत्येक प्रश्न के उत्तर के लिए केवल एक ही वृत्त को गाढ़ा करें। एक से अधिक वृत्तों को गाढ़ा करने पर अथवा एक वृत्त को अपूर्ण भरने पर वह उत्तर गलत माना जायेगा।
10. ध्यान दें कि एक बार स्याही द्वारा अंकित उत्तर बदला नहीं जा सकता है। यदि आप किसी प्रश्न का उत्तर नहीं देना चाहते हैं, तो संबंधित पंक्ति के सामने दिये गये सभी वृत्तों को खाली छोड़ दें। ऐसे प्रश्नों पर शून्य अंक दिये जायेंगे।
11. रफ कार्य के लिए प्रश्न-पुस्तिका के मुखपृष्ठ के अंदर वाला पृष्ठ तथा उत्तर-पुस्तिका के अंतिम पृष्ठ का प्रयोग करें।
12. परीक्षा के उपरान्त केवल ओ एम आर उत्तर-पत्र परीक्षा भवन में जमा कर दें।
13. परीक्षा समाप्त होने से पहले परीक्षा भवन से बाहर जाने की अनुमति नहीं होगी।
14. यदि कोई अभ्यर्थी परीक्षा में अनुचित साधनों का प्रयोग करता है, तो वह विश्वविद्यालय द्वारा निर्धारित दंड का/की भागी होगा/होगी।