

Question Booklet No.

(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 10 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 changes 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 page 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.

FOR ROUGH WORK

Research Entrance Test – 2013

No. of Questions : 50

Time : 2 Hours

Full Marks : 200

- Note :** (i) This Question Booklet contains **40** Multiple Choice Questions followed by **10** Short Answer Questions.
- (ii) 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.
- (iii) 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.

1. Which one is used to measure length ?
(1) Payya Mana (2) Pautava Mana (3) Druvaya Mana (4) Nishpava
2. Melting temperature of silver is ?
(1) 232°C (2) 419°C (3) 960°C (4) 1063°C
3. Bulb of onion is modification of ?
(1) Root (2) Stem (3) Radical (4) Plumula
4. Movement of food through oesophagus is due to ?
(1) Lubrication of saliva (2) Peristalsis
(3) Gravitational pull (4) External pressure
5. The breakdown of pyruvate to give carbon dioxide, water and energy takes place in ?
(1) Cytoplasm (2) Mitochondria (3) Chloroplast (4) Nucleus
6. The autotrophic mode of nutrition requires ?
(1) Carbon dioxide and water (2) Chlorophyll
(3) Sunlight (4) All of above three
7. Where is bile produced ?
(1) Gall bladder (2) Blood (3) Liver (4) Spleen
8. The correct pathway of blood in circulatory system is ?
(1) Atria → ventricles → arteries → veins
(2) Ventricles → atria → veins → arteries
(3) Ventricles → veins → arteries → atria
(4) Veins → ventricles → atria → arteries
9. How does light normally travel ?
(1) In concentric circles (2) In a straight line
(3) Always towards a dark area (4) In a curved line
10. Light travels fastest through which of the following material ?
(1) Diamond (2) Water (3) Glass (4) Air

11. Number of Fan Marma is :

- (1) 2 (2) 1 (3) 4 (4) 3

12. Number of Abyadhya Siras in Nasa are :

- (1) 4 (2) 6 (3) 8 (4) 2

13. Kalika Sira situated in :

- (1) Nose (2) Ear (3) Eye (4) Tongue

14. Bandhana (Bandage) applied in Dislocation of Jaw (Hanusandhi) :

- (1) Dama (2) Kosha (3) Swastik (4) Panchangi

15. The Sharp instrument (Shashtra) is used for Chhedan and Vedhan Karma in Kantha-Gala Roga :

- (1) Mudrika (2) Kushapatra
(3) Trikurchak (4) Wetas Patra

16. The most common Cyst of Jaw is :

- (1) Odontogenic Cyst (2) Dentigerous Cyst
(3) Radicular Cyst (4) Follicular Cyst

17. Which cataract occurs at earlier age :

- (1) Cuneiform (2) Cupeiliform
(3) Nuclear Cataract (4) Perinuclear punctuate

18. Drainage of Tear by lower punctum is :

- (1) 15-30% (2) 30-45% (3) 61-75% (4) 76-90%

19. Fleischer ring is found in :

- | | |
|----------------------|------------------|
| (1) Argyrosis | (2) Buphthalmos |
| (3) Wilson's disease | (4) Kerato Conus |

20. For Tiktanjana, Shalaka should be made of :

- | | |
|-------------|-------------------|
| (1) Suwarna | (2) Rajat |
| (3) Kansya | (4) Meshha-Sringa |

21. Pain is associated with the disease :

- | | |
|---------------|----------------|
| (1) Kafa Srav | (2) Rakta Srav |
| (3) Puya Srav | (4) Jala Srav |

22. The disease Danta Chal has been described by :

- | | |
|------------------|------------|
| (1) Yogaratnakar | (2) Nimi |
| (3) Bag Bhatt | (4) Bideha |

23. According to Sushruta Samhita "Alagee" is a disease of :

- | | |
|--------------------|------------------------|
| (1) Raktaja Sadhya | (2) Sannipatik Asadhya |
| (3) Pittaja Sadhya | (4) Sannipatik Sadhya |

24. Who has described "Raktarma" as a variety of Arma :

- | | |
|--------------|------------------|
| (1) Sushruta | (2) Yogaratnakar |
| (3) Madhar | (4) Kashyap |

25. One of the ingredients of Mahaneela Gutika is :

- | | |
|-----------------|------------------|
| (1) Tamra Vasma | (2) Swarna Vasma |
| (3) Lauha Vasma | (4) Nag Vasma |

- 26.** Respiratory quotient of Human Lens is :
- (1) 0.6 (2) 0.7 (3) 0.9 (4) 1
- 27.** The anterior focal length of Schematic Eye :
- (1) 15.7 mm (2) 17.2 mm (3) 13 mm (4) 23 mm
- 28.** Main disadvantage of Cocaine as local an aesthetic causes :
- (1) Dry Eye (2) Follicular Conjunctivitis
(3) Intra ocular penetration (4) Epithelial Errosion
- 29.** The disease "Anjannamika" comes under the group of :
- (1) Chhedyā (2) Lekhya
(3) Vedhya (4) Vyadhya
- 30.** Iris pearls are seen in :
- (1) Syphilis (2) Leprosy
(3) Sarcoidosis (4) Tuberculosis
- 31.** Which one of the following clinical features is not described in Sushruta Samhita under Pittaja Pratishyaya ?
- (1) Krisha (2) Atipandu
(3) Trishna (4) Swaropghata
- 32.** As per sushruta samhita, Danta gate disease Bhanjanaka is caused by the ritation of :
- (1) Kapha-Vata (2) Pitta-Vata
(3) Kapha-Pitta (4) Vata-Rakta

33. Which of the following diseases, the open angle glaucoma most likely correlates with ?
- (1) Timira (2) Adhimantha
(3) Pittavidadhadrusti (4) Nakulandhya
34. "यस्य धौतानि धौतानि संबध्यन्ते पुनः पुनः ॥
वर्त्मान्यपरिपक्वानि " This verse describes.
- (1) Klinna Vartma (2) Aklinna Vartma
(3) Kukunaka (4) Vatabhishyanda
35. Select the most appropriate therapy for a 55 year old woman, who has intraocular pressure of 30 mm Hg in each eye. Her optic discs are pathologically cupped. She is using salbutamol inhaler for her asthma :
- (1) Pilocarpine eye drops (2) Beta-blocker eye drops
(3) Prostaglandin eye drops (4) Oral acetazolamide
36. Centrocecal Scotomas are most commonly found in :
- (1) Amblyopia due to Squint (2) Angle closure glaucoma
(3) Nutritional optic neuropathy (4) Primary open angle glaucoma
37. The following is true about blunt trauma on the lens :
- (1) Vossius ring causes decreased vision in the majority of patients
(2) Vossius ring is a permanent sign
(3) Contusion cataract is usually rosette-shaped
(4) Contusion cataract typically involves the anterior cortex
38. During operation, there was posterior capsule rupture and an 10 L has to be implanted in the sulcus (assuming the power of 10 L was not changed). This will result in :
- (1) No change in the post-operative power
(2) Myopic shift
(3) With the rule astigmatism
(4) Hypermetropic shift

39. Which of the following is not a complication of Thyroidectomy Surgery ?

- | | |
|-------------------------|-------------------|
| (1) Hoarseness of voice | (2) Thyroid Storm |
| (3) Agranulocytosis | (4) Hypocalcaemia |

40. What is most common site for CSF Rhinorrhoea ?

- | | |
|--------------------|---------------------|
| (1) Frontal Sinus | (2) Ethmoidal Sinus |
| (3) Tegmen tympani | (4) Maxillary Sinus |

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

1. Community ophthalmology.
2. NPCB.
3. Eye Bank.
4. Describe Agnikarma for Pakshmakopa.
5. Discuss use of Nasya Karma in case of Headache.
6. Determinatoin of target intraocular pressure in the treatment of POAG.
7. TUNDIKERI.
8. SHALAKA.
9. ADHIMANTA.
10. FUNDUSCOPY.

Roll No. :

Q. No. :

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FOR ROUGH WORK

