

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 – 2014

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.

Sangyahan

1. The foremost expounder of Ayurveda is :
 (1) Indra (2) Brahma (3) Agnivesha (4) Dhanvantari
2. Ayurveda is the upaveda of which veda ?
 (1) Rigveda (2) Samaveda (3) Atharvaveda (4) Yajurveda
3. Which is *not* a type of Sharirika Dosha ?
 (1) Vata (2) Tama (3) Kapha (4) Pitta
4. The latin name of Amla is :
 (1) Emblica ribes (2) Embelia officinalis
 (3) Embelia ribes (4) Emblica officinalis
5. The sixth step of Ashtanga Yoga is :
 (1) Pratyahara (2) Dhyana (3) Dharana (4) Samadhi
6. World Health Organization day is celebrated on :
 (1) 1st March (2) 7th April (3) 1st April (4) 7th March
7. DOTs strategy is related with management of which disease ?
 (1) Leprosy (2) Tuberculosis
 (3) Bronchial asthma (4) Whooping Cough
8. The recommended daily intake of Vitamin A for an adult man is :
 (1) 800 micrograms (2) 600 micrograms
 (3) 950 micrograms (4) 900 micrograms
9. The vitamin involved in blood clotting process is :
 (1) Vitamin B (2) Vitamin K (3) Vitamin E (4) Vitamin A
10. Which one is the involuntary muscle ?
 (1) Biceps (2) Deltoid
 (3) Cardiac muscle (4) Trapezius

11. The term anaesthesia was coined by :
- (1) Morton (2) John Snow
(3) Claude Bernard (4) Oliver Holmes
12. First spinal anaesthesia was given by :
- (1) L. Corning (2) John Snow
(3) W. T. Morton (4) August Bier
13. Father of anaesthesia is :
- (1) John Snow (2) Priestley
(3) W. T. Morton (4) Karl Kaller
14. Circuit of choice for spontaneous ventilation is :
- (1) Magill (2) Closed
(3) Bain (4) Type C
15. Pin index for oxygen is :
- (1) 1, 5 (2) 3, 5 (3) 1, 6 (4) 2, 5
16. The most soluble gas in blood is :
- (1) N₂O (2) Nitrogen
(3) O₂ (4) Air
17. Post anaesthetic hepatitis may occur with the use of :
- (1) Ether (2) Halothane
(3) Isoflurane (4) Desflurane
18. Choice of Volatile anaesthetic in asthmatics :
- (1) Ether (2) Halothane
(3) Isoflurane (4) O₂ + N₂O

19. Which of the following is *not* metabolised in liver ?

- | | |
|------------------|----------------|
| (1) Ether | (2) Halothane |
| (3) Cyclopropane | (4) Desflurane |

20. Which of the following has Sedative properties ?

- | | |
|--------------|-------------------|
| (1) Bramhi | (2) Erand |
| (3) Nirgundi | (4) Shankhapushpi |

21. Sushruta has described Shoola in :

- | | |
|------------------|--------------------|
| (1) Sutra Sthana | (2) Nidana Sthana |
| (3) Utter Tantra | (4) Sharira Sthana |

22. Marma located bellow the gulpha sandhi is :

- | | |
|------------|-----------------|
| (1) Kurcha | (2) Kurchashira |
| (3) Gulpha | (4) Indravasti |

23. As per Vagbhatta doshas involved in Murchchha are :

- | | |
|------------------|------------------|
| (1) Pitta + Raja | (2) Pitta + Tama |
| (3) Vata + Tama | (4) Kapha + Tama |

24. Normal CSF pressure varies from :

- | | |
|---------------------------------|---------------------------------|
| (1) 30-60 mm H ₂ O | (2) 60-180 mm H ₂ O |
| (3) 120-160 mm H ₂ O | (4) 160-180 mm H ₂ O |

25. Complications of massive blood transfusion are all except :

- | | |
|------------------|------------------------------|
| (1) Hypocalcemia | (2) Increased K ⁺ |
| (3) Hypothermia | (4) Pulmonary oedema |

26. Glasgow's coma scale includes all except :
- (1) Verbal response
 - (2) Motor activity
 - (3) Eye opening
 - (4) Blood pressure
27. Intracranial pressure may increase following use of :
- (1) Ketamine
 - (2) Thiopentone
 - (3) Etomidate
 - (4) Isoflurane
28. Convulsion during or after anaesthesia may be associated with :
- (1) Thiopentone
 - (2) Ether
 - (3) Ketamine
 - (4) Diazepam
29. The pressure inside Nitrous oxide cylinder (E size) is :
- (1) 750 psi
 - (2) 1200 psi
 - (3) 2200 psi
 - (4) 630 psi
30. World Anaesthesia day is :
- (1) 7th April
 - (2) 6th February
 - (3) 16th October
 - (4) 17th November
31. Drug having anti-salagauge properties is :
- (1) Tumburu
 - (2) Rajika
 - (3) Tambaku
 - (4) Suchi
32. In which poisoning Atropine sulphate is used :
- (1) Carbolic acid
 - (2) Cyanide
 - (3) Nitric acid
 - (4) Organophosphate

33. In aortic regurgitation the murmur is :

- | | |
|---------------------|-------------------|
| (1) Early diastolic | (2) Mid diastolic |
| (3) Early systolic | (4) Mid systolic |

34. Which of the following drug does *not* cross placenta ?

- | | |
|---------------|--------------|
| (1) Phenytoin | (2) Diazepam |
| (3) Morphine | (4) Heparin |

35. Toxic shock syndrome is caused by :

- | | |
|--------------------|-------------------|
| (1) Staph albus | (2) Staph aureus |
| (3) Strep viridans | (4) Strep Pyogens |

36. Burn patients have an exaggerated response to :

- | | |
|---------------------|-----------------|
| (1) Atracurium | (2) Vacuronium |
| (3) Succinylcholine | (4) Pancuronium |

37. In neonates at per kg body weight consumption of Oxygen is approximately :

- | | |
|-------------|-------------|
| (1) 4 ml/kg | (2) 6 ml/kg |
| (3) 2 ml/kg | (4) 8 ml/kg |

38. Expiratory reserve volume in an adult is approximately is :

- | | |
|-------------|-------------|
| (1) 800 ml | (2) 1200 ml |
| (3) 1500 ml | (4) 500 ml |

39. Which agent increases intraocular Tension ?
- | | |
|--------------|---------------|
| (1) Ether | (2) Halothane |
| (3) Ketamine | (4) Enflurane |
40. Which one causes lowest incidence of nausea and vomiting ?
- | | |
|-----------------|---------------|
| (1) Thiopentone | (2) Propofol |
| (3) Ketamine | (4) Etomidate |

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.

1. Write a Shloka in references to Sangyahan mentioned in Sushruta Samhita.
2. Mention about Ether convulsion.
3. Briefly describe about Research Model for assessment of Pain.
4. Describe the scope of Medhya Drug in palliative care.
5. Describe Paschat Karma in Sangyahan.
6. Describe the recent techniques for Painless labour.
7. Briefly describe about D. I. C.
8. Describe the properties of Ojas and Visha.
9. Describe about the Regional techniques in practice of Sangyahan.
10. Describe the complications of Spinal Anaesthesia.

Roll No. :

Q. No. :

Roll No. :

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FOR ROUGH WORK

