

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.

**Total No. of Printed Pages : 15**

**FOR ROUGH WORK**

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# 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 autotropic 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. The macromolecules which bind and interact with the drug are called:  
 (1) Agonist (2) Antagonist (3) Receptors (4) Ligand
12. Drug action can also be altered in ..... disease :  
 (1) Kidney (2) Gastric (3) Cardiac (4) Liver
13. *Strychnos toxifera* is natural source of ..... :  
 (1) Quinine (2) Curare (3) Nicotine (4) Doxacurium
14. Samāvayoāprathagbhāvo ..... gunairmatah :  
 (1) rasādinām (2) dhātvādinām  
 (3) bhūmyādinām (4) tulyānām
15. "Vaidala Varga" is the original contribution of :  
 (1) Agnivesa (2) Charaka (3) Sushruta (4) Kaiyadeva
16. Which one Āhāra- dravya is Kaphamarutaghna ?  
 (1) Venuyavā (2) Masura (3) Kulattha (4) Māsa
17. Which one guna is pittaghna and vātaslesmakara ?  
 (1) Snigdha (2) Sita (3) Ruksha (4) Manda
18. Which one belongs to Zingiberaceae family ?  
 (1) Tavakshira (2) Rasona (3) Haimavati (4) Surana

19. Karanjakimsukāristaphalam are mentioned as Jantupramehanut in :

- (1) Bhāvaprakasha
- (2) Charaka Samhitā
- (3) Charaka & Sushruta Samhitā
- (4) Sushruta Samhitā

20. Aindri is mentioned in :

- (a) Prajāsthāpana and Batya
- (b) Sanjñāsthāpana as well as Vayahsthāpana
- (c) Vayahasthāpana and Medhya rasāyana
- (d) Sanjñāsthāpana

Which one of the above answer is correct :

- (1) a and b                      (2) c                      (3) a and d                      (4) a

21. Meghanada is the synonym of :

- (1) Tanduliyaka                      (2) Paniya Tanduli
- (3) Kalashakama                      (4) Kala

22. Indication of Amrita in Amavata with :

- (1) Ghrita                      (2) Guda                      (3) Shunthi                      (4) Madhu

23. In Dhanavantari Nighantu by the name of Bahula which drug is described :

- (1) Sukshma ela                      (2) Vrihad Ela                      (3) Tambula                      (4) Tamala Patra

24. Siddhasara Nighantu is written by :

- (1) Ravigupta                      (2) Bopadeva
- (3) Pandit Narahari                      (4) Rama Krishna

25. Botanical name of Vishalya karni :
- (1) *Tridax procumbens* (2) *Ichnocarpus frutescens*  
(3) *Girardinia hetrophylla* (4) *Acalypha indica*
26. Sangrahika raktapitta prashamananama is said for :
- (1) Gandha priyangu (2) Kashmarya phala  
(3) Katwanga (4) Gokshur
27. Vatsakadi Varga is given by :
- (1) Charak (2) Sushruta  
(3) Vagabhatta (4) Bhava prakash
28. Number of Vipaka as per Parashar :
- (1) Two (2) Three (3) Five (4) Innumerable
29. As per Caraka collection of root in which season :
- (1) Varsha and Vasant (2) Grishma and shishir  
(3) Sharada and Hemanta (4) As per Ritu
30. In Udan Vayu vikriti aushadhi is indicated at which time :
- (1) After Dinner (2) Before lunch  
(3) After breakfast (4) Before dinner
31. Part used of *Karkatshringi* is :
- (1) Fruit (2) Root (3) Gall (4) Stem
32. The best among *Krimighna* drugs according to *Charoka* is :
- (1) Kampillaka (2) Vidanga  
(3) Palasha (4) Yavani

33. According to *Charaka*, *Ercudamula* is the best drug having :
- (1) Jivaniya action (2) Brimhaniya action  
(3) Balya action (4) Vrishya vatahar action
34. Which of the two are special contribution of Vagbhata ?
- (1) Madhyama and Jivana Panchamula  
(2) Madhyama and Trina Panchamula  
(3) Madhyama and Kantaka Panchamula  
(4) Madhyama and Laghu Panchmula
35. *Chakrapani* belongs to the period :
- (1) Around 11th Century (2) Around 8th Century  
(3) Around 5th Century (4) 2nd Century B.C.
36. *Guna of Dravya* is ascertained on the basis of its :
- (1) Rasa (2) Karma (3) Vipaka (4) Prabhava
37. *Virya of Vasa* is :
- (1) Ushna (2) Ati ushna  
(3) Shita (4) Samashitoshna
38. "*Gokshurako Mutrakrichhranilharanam*" is said by :
- (1) Charaka (2) Sushruta (3) Vagbhata (4) Kashyapa
39. According to *Vagbhata*, *Haritaki* is contraindicated in :
- (1) Pregnant woman  
(2) Persons suffering from *yatavyadhi*  
(3) Persons suffering from *Kaphaja vyadhi*  
(4) During winter season
40. Ajmaline is found in :
- (1) *Curcuma lango* (2) *Piper longum*  
(3) *Solanum xanthocarpum* (4) *Rauwolfia surpentina*



*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. Importance of Drug standardisation in Ayurveda.
2. Basic Dosage forms in Ayurveda.
3. Discuss principle based difference in Guna and Virya.
4. Content of Dhanvantari Nighantu.
5. Virya Nirdharana.
6. Doshakarma and Malakarma of Guru and Laghu Vipaka.
7. Diseases due to Atiyoga.
8. Samanya and Vichitra Pratyayarabdha.
9. Drug Incompatability.
10. Therapeutics.

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**FOR ROUGH WORK**

