

37. Which statement is false about Wilson's Disease ?  
(1) Tissue copper is increased especially in the basal ganglion and liver  
(2) Ceruloplasmin in serum is invariably low or absent  
(3) There is increased urinary copper excretion  
(4) The level of ceruloplasmin correlates poorly with the severity of the disease
38. Which of the following is not a common manifestation in ulcerative colitis ?  
(1) anal fistulas (2) mega colon  
(3) Rectum involvement (4) Malignant transformation
39. Acute self limiting infective diarrhoea in adults in our country is caused most commonly due to :  
(1) Entamoeba histolytica (2) Shigella Sp  
(3) Salmonella sp (4) Vibrio
40. In India the commonest HIV 1 virus subtype is :  
(1) HIV Subtype A (2) HIV Subtype B  
(3) HIV Subtype C (4) HIV Subtype D

*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. A patient comes to emergency in early hours with sudden onset dyspnea and cough, discuss the differential diagnosis.
2. Discuss the basis of HAART for AIDS.
3. Discuss the clinical feature of severe mitral stenosis.
4. Discuss the treatment of visceral leishmaniasis.
5. Discuss the indications for treatment of hepatitis B infection.
6. Enumerate the warning signs of severe malaria.
7. How will you treat patient with acute myocardial infection presenting after 8 hours of onset ?
8. Please describe the treatment of variceal bleed.
9. Discuss the aetiology of pseudomembranous colitis.
10. Enumerate the arrhythmias caused by digoxin toxicity.

**RET/12/Test B****642****Medicine**

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**



1. Klinefelter syndrome has the following genetic make up :
  - (1) 44 autosomes + xxy
  - (2) 44 autosomes + xo
  - (3) 45 autosomes + xx
  - (4) 45 autosomes + xy
  
2. Which of the following statement is incorrect related to 'Sickle cell Anaemia'
  - (1) It is a autosomal recessive linked disorder
  - (2) It is due to a single base mutation of B globulin gene.
  - (3) It is inherited in whose one of the parent is carrier and other normal
  - (4) It changes shape of RBC from Round to sickle
  
3. Which property does not belong to cytokines :
 

(1) Pleiotropy	(2) Redundancy
(3) Synergy	(4) Specificity
  
4. What is the most likely organism in Patient with common variable immunodeficiency presenting with pneumonia :
 

(1) Aspergillus	(2) Pneumococcus
(3) Mycoplasma	(4) CMV
  
5. Which of the following is a mechanical barrier to conception :
 

(1) Condom	(2) Abortion
(3) Cu T	(4) oral pill

6. By studying analogous structures we look for :

- (1) similarities in organ structure
- (2) similarities in cell make-up
- (3) similarities in appearance and function but different in structure
- (4) similarities in appearance that differences in functions

7. Which prediction from the fossil record is in agreement with the theory of evolution ?

- (1) Unicellular organisms are first found in strata above
- (2) multicellular fossils.
- (3) Land animals appear earlier than Land plants in the fossil record. Reptiles appear earlier an insects in the fossil record.
- (4) Prokaryote fossils appear earlier than eukaryote fossils.

8. Ductless glands are known as :

- (1) Digestive Glands
- (2) Milk Glands
- (3) Endocrine Glands
- (4) Exocrine Glands

9. Virus is chemically composed of :

- (1) Starch and Protein
- (2) Fat and nucleic acid
- (3) D.N.A. and lipids
- (4) Protein and Nucleic Acid

10. Thyroxin hormone is secreted by :

- (1) Thyroid
- (2) Pituitary
- (3) Adrenal
- (4) Ovary

11. According to WHO, 'preobesity' is defined as BMI of :  
(1) 18.5 - 24.99      (2) 30 - 34.99      (3) 25 - 29.99      (4) < 18.5
12. 'Atkin's diet is :  
(1) Protein rich, carbohydrate restricted low calorie diet  
(2) Protein restricted, low calorie diet  
(3) Fat restricted, low calorie diet  
(4) none of the above
13. Pellagra can cause all except :  
(1) depression  
(2) skin lesion  
(3) spastic paraparesis  
(4) acute disseminated encephalomyelitis
14. Parenteral nutrition is best given by :  
(1) Femoral vein      (2) Saphenous vein  
(3) Cephalic vein      (4) Subclavian vein
15. Half life of serum albumin is :  
(1) 21 days      (2) 10 days      (3) 14 days      (4) 12 hours
16. Which is not associated with weight gain ?  
(1) Insulinoma      (2) Hypothyroidism  
(3) Phaeochromocysoma      (4) Cushing's Disease
17. Amino-acid associated with atherosclerosis is :  
(1) Homocystein      (2) Lysine      (3) Alanine      (4) Lysine
18. Chromium :  
(1) Potentiates insulin action      (2) decreases insulin level  
(3) No effect on insulin action      (4) none of the above
19. Ultratrace elements are those needed in amount :  
(1) < 1 mg/day      (2) < 0.5 mg/day      (3) 1-2 mg/day      (4) 2-3 mg/day



20. Perioral rash, gonadal atrophy, neuritis and pigmentation of skin is caused by deficiency of :
- (1) Copper                      (2) Zinc                      (3) Magnesium                      (4) Selenium
21. REM sleep is associated with :
- (1) slow eye movements                      (2) spindles on EEG  
(3) decreased blood supply                      (4) vivid dreams
22. In humans lateral spinothalamic tract :
- (1) carries sensation from same side of body  
(2) carries joint position sensation  
(3) carries pain & temperature sensation  
(4) none of the above
23. Spinal cord in adult human being ends at :
- (1) lower end of sacrum                      (2) at T 12 vertebra  
(3) lower end of L<sub>1</sub> vertebra                      (4) at L<sub>5</sub> vertebra
24. Horner's syndrome consists of all except :
- (1) Miosis                      (2) Ptosis  
(3) Exophthalmos                      (4) Hypohidrosis
25. Deep Tendon Reflex requires all of the following except :
- (1)  $\alpha$ . motor neuron                      (2)  $\gamma$  motor neuron  
(3) Pyramidal tract                      (4) Spindle afferent neuron
26. The drug of choice for Isospora belli induced diarrhea is :
- (1) Tinidazole                      (2) Paramomycin  
(3) Co-trimoxazole                      (4) Dehydroemetine
27. Treatment of acute variceal bleeding includes following except :
- (1) Propranolol  
(2) Transjugular intrahepatic portosystemic shunt  
(3) Octreotide  
(4) Endoscopic therapy