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ABP/CCM-57/XIV

2015

MEDICAL SCIENCE

FIRST PAPER

Full Marks : 200

Time : 3 Hours

The figures in the margin indicate full marks for the questions

PART-A

Answer any 8 Questions.

1. Describe the mechanism of coagulation of blood. Name the different anti-coagulants that can be used in your laboratory with their mechanism of action. 10+10=20
2. Describe the interior of Right atrium under following headings :
 - (a) Rough and smooth parts
 - (b) Openings present
 - (c) Development sources. 8+4+8=20

Contd.

3. Classify Bronchogenic carcinoma. Give a comparison of small cell and non small cell carcinoma. 10+10=20
4. Write the mode of action and adverse effects of different types of calcium channel blocker. 5+15=20
5. Describe the aetiopathogenesis, gross and microscopic features of Rheumatic Heart disease. 10+10=20
6. Define sterilization. Write a note on different methods of sterilization in your laboratory. 2+18=20
7. Write a note on use of Nitrous oxide as anaesthetic. What are the complications of general anaesthesia? 8+12=20
8. Name the commonly encountered Salmonella infection. How does laboratory help in diagnosis? Write a brief note on carries. 2+14+4=20
9. Describe the mechanism of conduction of nerve impulse. 20
10. Give an account of distribution of fluid in human body. Describe how water metabolism is regulated. 6+14=20

11. Describe the vitamin A under following headings :

(a) Dietary source of vitamin and its RDA.

(b) Role of vitamin A in vision along with deficiency symptoms.

(c) Symptoms of hypervitaminosis A

3+14+3=20

12. Write a note on bio-chemical basis of diabetic ketoacidosis. Mention the chronic complications of Diabetes mellitus. How does laboratory help in diagnosis ?

10+5+5=20

PART-B

Short Questions (Answer any five)

13. Embryology of formation of ventricular septum. 8

14. Use of Dopamine in cardiogenic shock. 8

15. Enzymes as cardiac markers. 8

16. Respiratory distress in New born. 8

17. Micro-anatomy of Lung. 8

18. Postmortem findings in a case of wet drowning. 8
19. Utility of low dose of Aspirin in coronary artery disease. 8
20. Minimal change glomerulonephritis. 8