

This question paper consists of 29 questions and 4 printed pages.

Roll No.

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Code No. **53/VOC/O**

Set

A

DIPLOMA IN MEDICAL IMAGING TECHNOLOGY
**(Basic Human Anatomy and Physiology, Orientation of X-ray Department,
Darkroom Procedures)**

Paper-I
(Theory)
(471)

Day and Date of Examination

Signature of Invigilators 1.

2.

General Instructions :

1. Candidate must write his/her Roll Number on the first page of the question paper.
2. Please check the question paper to verify that the total pages and total number of questions contained in the paper are the same as those printed on the top of the first page. Also check to see that the questions are in sequential order.
3. For the objective type of questions, you have to choose any *one* of the four alternatives given in the question, i.e., A, B, C or D and indicate your correct answer in the answer-book given to you.
4. Making any identification mark in the answer-book or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
5. Answers for questions, like matching, true or false, fill in the blanks, etc., are to be given in the answer-book.
6. Write your Question Paper Code No. 53/VOC/O, Set

A

 on the answer-book.

DIPLOMA IN MEDICAL IMAGING TECHNOLOGY

(**Basic Human Anatomy and Physiology, Orientation of X-ray Department,
Darkroom Procedures**)

Paper : I

(**Theory**)

(471)

Time : 3 Hours]

[Maximum Marks : 75

Note : (i) *All* questions are compulsory.

(ii) Marks are indicated against each question.

Answer the following questions :

10+10=20

1. Write the anatomy of pancreas and the organs seen around pancreas.
2. Write the anatomy of spinal cord.

Write short notes on the following :

5×7=35

3. Types of X-ray film
4. Safelight
5. Photosensitive material used in X-ray film
6. Coronary artery
7. Appendix
8. Fluoroscopy
9. Molar and premolar teeth in a child of 5 years

Fill in the blanks. Write your answer in the answer-book :

1×10=10

10. ____ membrane divides external ear and middle ear.
11. The number of vertebrae in human spine is ____.
12. The number of temporal bones is ____.
13. ____ produces more radiation between X-ray chest and barium meal follow-through.
14. Film/screen contact is evaluated by ____ test.
15. Image intensifier increases ____.
16. ____ will happen if intensifying screen is not used.
17. ____ is used to see temperature of the solution in film processing.
18. Silver recovery systems remove silver from used ____.
19. Improper film storage produces film ____.

Write True or False for the following statements. Write your answer in the answer-book :

1×10=10

20. Trachea leads to both side bronchi.
21. Growth hormone is secreted from pituitary gland.
22. Planter refers to sole of foot.
23. Rotation of forearm so that the palm is turned downwards in mid-flexed elbow is called pronation.

- 24.** Bone is resilient due to collagenous fibres.
- 25.** Irregular bones are like vertebrae.
- 26.** Vertebral column gives firm support to the body.
- 27.** During diastole heart fills the blood followed by a period of contraction is called systole.
- 28.** Larynx is a box-like structure which extends from the roof of the tongue to the lower end of oesophagus.
- 29.** Permanent teeth are mainly 34, having incisor—2, canine—1, premolar—3 and molar—3.

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