

ANATOMY AND MICROTECHNIQUES

207-(FIRST YEAR)

ROLL NO:(In Figures) _____

PAPER – A (Objective Type)

(In Words) : _____

Write Serial No. of your answer book _____

Time Allowed : 15 Minutes

Maximum Marks : 10

Signature of Deputy Supdt. _____

Note : Use this paper to write the answers to the objective questions. No mark will be awarded for cutting, over-writing or using a pencil. This paper must be tagged with the answer-book.

1. Some possible answers to each statement are given below. Tick (✓) mark the correct answer : 10

(i) Decalcification is done :

(On all tissues. On bony tissues. On soft tissues. On fatty tissues.)

(ii) Parathyroid glands are related with metabolism of :

(Sodium. Potassium. Magnesium. Calcium.)

(iii) Fixation of tissues :

(Cause autolysis. Stop autolysis. Make tissue soft. Stain the tissues.)

(iv) The No. of Atlas Vertebra in vertebral column is :

(C₁ , T₁ , L₁ , S₁)

(v) Dehydration of tissues is done by : (Acids. Decreasing strength of alcohol.

Increasing strength of alcohol. Formalin.)

(vi) Filopian takes are the components of :(Digestive system. Male reproductive system.

Excretory system. Female reproductive system.)

(vii) Staining is done to : (See tissue more clearly. Preserve tissue.

Make tissue hard. Cut the tissues easily.)

(viii) Roof of internal nose has the *fibres* of :

(Trigeminal nerve. Facial nerve. Olfactory nerve. Abducent nerve.)

(ix) Microtome is used to : (Cut thick tissue sections. Cut thin tissue sections.

Examine the tissues. Make a block.)

(x) The chamber of heart in which the superior vena cava and inferior vena cava open is :

(Left atrium. Left ventricle. Right atrium. Right ventricle.)

ANATOMY AND MICROTÉCHNIQUES

PAPAR – A (Essay Type) 207-(FIRST YEAR)

Time Allowed : 1.45 hours

Maximum Marks : 40

Note : All questions are to be attempted on the answer book.

SECTION – I

2. Write any TWELVE (12) short answers of the following questions :

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- (i) Classify epithelium. Give the example of Pseudostratified epithelium.
- (ii) What is a smear?
- (iii) Describe the structure of trachea.
- (iv) What is biopsy?
- (v) Name the parts of large intestine.
- (vi) What is clearing?
- (vii) What is nephron? Draw diagram.
- (viii) What is decalcification?
- (ix) Name the valves present in human heart.
- (x) Why do you fix tissues?
- (xi) Name I cranial nerve, what are its functions.
- (xii) Which is the most commonly used staining procedure?
- (xiii) What are the components of male reproductive system?
- (xiv) Name some special fixatives.
- (xv) Classify muscles. Give example of each.
- (xvi) Why do you de-paraffinize before you stain tissue section.
- (xvii) What do you know about thyroid gland?
- (xviii) How do you clean slides.

SECTION – II

Note : Attempt any TWO questions.

3. What are the advantages and disadvantages of automatic tissue processor? Describe its procedure. 8
4. Draw a labelled diagram of heart showing its four chambers and main vessels carrying the blood to and from the heart. Also discuss its circulation. 8
5. Write short notes on : (a) Five needle biopsy. (ii) Frozen section. 8