



Sig. of Invigilator. _____

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SECTION – A (Marks 10)

NOTE:- Section-A is compulsory. All parts of this section are to be answered on the question paper itself. It should be completed in the first 10 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

(i)	The basic unit of a kidney is _____			
	A. Neuron	B. Islet of langerhans		
	C. Nephron	D. Cartilage		
(ii)	Haemoglobin is carried in _____			
	A. WBCs	B. RBCs	C. Platelets	D. Macrophages
(iii)	Deoxygenated blood from the body enters the _____			
	A. Right Atrium	B. Right Ventricle	C. Left Atrium	D. Left Ventricle
(iv)	The gland involved in the secretion of tears is _____			
	A. Normal Saline	B. Lacrimal gland		
	C. Sub-mandibular gland	D. Maxillary gland		
(v)	Most commonly used fixative in histopathology is _____			
	A. Normal Saline	B. Formalin	C. Xylene	D. Cedar wood oil
(vi)	Blood passing through glomerulus is filtered into _____			
	A. Bowmans	B. Proximal tubule		
	C. Distal tubule	D. Medulla		
(vii)	Most common stain used in histopathology is _____			
	A. Giemsa	B. H and E	C. Silver stain	D. ZN stain
(viii)	Ovum is released from _____			
	A. Oviduct	B. Ovary	C. Uterus	D. Fallopian tube
(ix)	Which is the longest part of the digestive tube?			
	A. Small intestine	B. Stomach		
	C. Large intestine	D. Esophagus		
(x)	The largest gland in the body is _____			
	A. Liver	B. Thyroid		
	C. Pituitary	D. Adrenal gland		

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ELEMENTARY ANATOMY AND MICROTECHNIQUES HSS

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Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE:- Answer any thirteen parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 26)

Q. 2 Attempt any THIRTEEN parts. The answer to each part should not exceed 2 to 5 lines. (13 x 2 = 26)

- (i) What is meant by central nervous system? Which organs are included in it?
- (ii) Name different Salivary glands. What are the functions of Saliva?
- (iii) What are the functions of Stomach?
- (iv) Name different hormones secreted by Pancreas. Which cells are responsible for their production?
- (v) What is the function of tubules of Kidney?
- (vi) What are different types of cells present in human blood?
- (vii) What is meant by female reproductive cycle?
- (viii) What are the functions of haemoglobin?
- (ix) What are the functions of nucleus in a cell?
- (x) Name different types of joints present in the body. Also give three examples.
- (xi) What are the different types of muscles in the body?
- (xii) Draw and label the diagram of human eye.
- (xiii) What is the function of tongue?
- (xiv) Name the vessels entering and leaving the heart?
- (xv) List the functions of liver.
- (xvi) What are the parts of male reproductive system?
- (xvii) Name different decalcifying agents.

SECTION – C (Marks 14)

Note: Attempt any TWO questions. All questions carry equal marks.

(2 x 7 = 14)

- Q.3 Describe the functions of various parts of Respiratory system.
- Q.4 Draw and label the diagram of heart. Describe its functions.
- Q.5 Classify Stains. Describe routine staining. Write the principle of H & E stain.