



BASIC MEDICAL SCIENCES HSSC-I

98

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE: Answer any thirteen parts from Section 'B' and all the 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 Answer any THIRTEEN parts. The answer to each part should not exceed 2 to 4 lines. (13 x 2= 26)

- (i) What is Rough Endoplasmic Reticulum? Also write its function.
- (ii) Name the stages of mitosis. How many daughter cells will be produced after mitotic division?
- (iii) What is Homeostasis?
- (iv) What are the functions of Thoracic Cage?
- (v) Name the contents of Pelvic Cavity.
- (vi) What are Meninges? What does CSF stand for?
- (vii) What are the Respiratory functions of Nose?
- (viii) Name the Permanent Teeth. Which set of teeth is absent in "Milk Teeth"?
- (ix) Draw a labelled diagram of stomach.
- (x) Name the bones and joints of Lower Limb.
- (xi) Name Enzymes and Hormones of Pancreas. Also write one function of each.
- (xii) Write down any two functions of skin.
- (xiii) Name the parts of Aorta and its main branches.
- (xiv) What is Diaphragm and its function?
- (xv) What is shoulder girdle?
- (xvi) What is Gall Bladder and its function?
- (xvii) Define Physiology.

SECTION – C (Marks 14)

Note: Attempt ALL the questions. All questions carry equal marks.

(2 x 7 = 14)

Q. 3 Discuss Blood in detail.

(OR)

Name the Organs of Excretory system. Draw a labelled diagram of Nephron.

Q. 4 Draw a labelled diagram of a Neuron. Describe the type of Neuron.

(OR)

Draw and label liver. Also write the functions of liver.



Roll No.

Answer Sheet No. 97

Sig. of Candidate. _____

Sig. of Invigilator. _____

BASIC MEDICAL SCIENCES HSSC-I

SECTION - A (Marks 10)

Time allowed: 10 Minutes

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.

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

- (i) Which of the following is a paired cartilage of Larynx?
 A. Arytenoid B. Thyroid
 C. Epiglottis D. Cricoid
- (ii) Nasolacrimal duct opens in:
 A. Mouth B. Pharynx
 C. Nose D. Eye
- (iii) Which of the following valves is also called "Bicuspid Valve"?
 A. Tricuspid valve B. Aortic valve
 C. Mitral valve D. Pulmonary valve
- (iv) Which of the following statements is wrong about respiratory system?
 A. It is divided into the upper and lower respiratory tracts.
 B. Two primary bronchus are present.
 C. Nose is the outer most part.
 D. Exchange of gases starts in trachea.
- (v) Which of the following is first cranial nerve?
 A. Optic B. Olfactory
 C. Oculomotor D. Trigeminal
- (vi) Which of the following is a phagocytic cell?
 A. RBC B. Lymphocyte
 C. Platelet D. Neutrophil
- (vii) Which of the following is **NOT** a Salivary Gland?
 A. Pancreas B. Parotid gland
 C. Sub-mandibular gland D. Sub-lingual glands
- (viii) "Atlas" is the:
 A. First cervical vertebra
 B. Last cervical vertebra
 C. Opening in skull through which spinal cord passes
 D. None of these
- (ix) Skin is a type of:
 A. Muscle Tissue B. Connective Tissue
 C. Epithelial Tissue D. Nerve Tissue
- (x) Which of the following is **INCORRECT** about Red Blood Cells?
 A. Contain Haemoglobin B. Transport Oxygen
 C. The most abundant Blood Cell D. Nucleus is large and central

For Examiner's use only:

Total Marks:

10

Marks Obtained: