



# BASIC MEDICAL SCIENCES HSSC-I

## SECTION – A (Marks 10)

Time allowed: 10 Minutes

Version Number 1 8 5 5

**Note:** Section – A is compulsory. All parts of this section are to be answered on the separately provided OMR Answer Sheet which 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** Choose the correct answer A / B / C / D by filling the relevant bubble for each question on the OMR Answer Sheet according to the instructions given there. Each part carries one mark.

- 1) The other name of shinbone is:  
A. Fibula  
B. Tibia  
C. Patella  
D. Humerus
- 2) Suprarenal gland is:  
A. Thyroid gland  
B. Pituitary gland  
C. Parathyroid gland  
D. Adrenal gland
- 3) Bile juice is produced by:  
A. Gall bladder  
B. Pancreas  
C. Liver  
D. Stomach
- 4) The other name of fat cells is:  
A. Adipocytes  
B. Chondrocytes  
C. Myocytes  
D. Osteocytes
- 5) Hormone "Renin" is secreted by kidney which is responsible for:  
A. Blood cell production  
B. Urine formation  
C. Blood pressure control  
D. All of these
- 6) The pace-maker of heart is:  
A. S.A node  
B. A.V node  
C. Bundle of HIS  
D. Purkinje fibers
- 7) Brain is present in:  
A. Pelvic cavity  
B. Cranial cavity  
C. Abdominal cavity  
D. Thoracic cavity
- 8) Alveoli is the part of:  
A. GIT system  
B. Respiratory system  
C. Urinary system  
D. Nervous system
- 9) The organelle, which has important role in cell division is:  
A. Ribosomes  
B. Mitochondria  
C. Centrosomes  
D. Golgi bodies
- 10) The outer covering of lung is:  
A. Pericardium  
B. Pleura  
C. Peritoneum  
D. Periosteum



# BASIC MEDICAL SCIENCES HSSC-I

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) Define cell. Give examples.
- (ii) Name the parts of small intestine with their lengths.
- (iii) What is the difference between mitosis and meiosis?
- (iv) List the three mechanisms of urine formation.
- (v) Draw a labeled diagram of large intestine.
- (vi) Name the hormones of female sex glands.
- (vii) Name the cranial nerve which has extensive distribution in human body.
- (viii) Define menopause?
- (ix) Write a note on blood supply of heart.
- (x) Discuss briefly about cerebellum.
- (xi) Draw a labeled diagram of clavicle bone.
- (xii) What is the other name of mineralocorticoids and from where is it secreted?
- (xiii) Write the composition of saliva.
- (xiv) Write down the functions of nose.
- (xv) Give classification of tissues.
- (xvi) What is the function of bile?
- (xvii) Name the bones of middle ear.

## SECTION – C (Marks 14)

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

(2 x 7 = 14)

**Q. 3** Write a detailed note on "Spinal cord".

(OR)

Define respiration; write a detailed note on interior of lungs.

**Q. 4** Draw a labeled diagram of stomach; Name layers of GIT wall in order? Write functions of stomach.

(OR)

Draw a labeled diagram of Renal tract. Write the functions of kidneys.