

Roll No. 

Answer Sheet No. \_\_\_\_\_

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) The heart lies in the thoracic cavity in:
- |                          |                     |
|--------------------------|---------------------|
| A. Transverse position   | B. Oblique position |
| C. Longitudinal position | D. None of these    |
- (ii) "CSF" is secreted continuously at the rate of about:
- |               |               |
|---------------|---------------|
| A. 650 ml/day | B. 250 ml/day |
| C. 720 ml/day | D. 150 ml/day |
- (iii) Growth hormone is secreted by:
- |                             |                              |
|-----------------------------|------------------------------|
| A. Anterior Pituitary gland | B. Posterior Pituitary gland |
| C. Adrenal gland            | D. Thyroid gland             |
- (iv) The exchange of gases takes place in which part of respiratory system?
- |            |                |
|------------|----------------|
| A. Trachea | B. Bronchi     |
| C. Alveoli | D. Bronchioles |
- (v) Nephron of kidney is present in:
- |                      |                     |
|----------------------|---------------------|
| A. Medulla of kidney | B. Cortex of kidney |
| C. Hilum of kidney   | D. Pelvis of kidney |
- (vi) The Pelvic girdle is formed by:
- |                     |                 |
|---------------------|-----------------|
| A. Innominate bones | B. Sacrum       |
| C. Coccyx           | D. All of these |
- (vii) The other name of bicuspid valve is:
- |                    |                    |
|--------------------|--------------------|
| A. Tricuspid valve | B. Mitral valve    |
| C. Aortic valve    | D. Pulmonary valve |
- (viii) The inner most layer of alimentary canal is called:
- |               |                   |
|---------------|-------------------|
| A. Sub-mucosa | B. Serosa         |
| C. Mucosa     | D. Muscular layer |
- (ix) The Cranial nerve supplying human ear is:
- |                           |                            |
|---------------------------|----------------------------|
| A. Vagus nerve            | B. Optic nerve             |
| C. Glossopharyngeal nerve | D. Vestibulocochlear nerve |
- (x) Bile is produced by:
- |            |                 |
|------------|-----------------|
| A. Liver   | B. Gall-bladder |
| C. Stomach | D. Intestine    |

**For Examiner's use only:**

**Total Marks:**

10

**Marks Obtained:**



# BASIC MEDICAL SCIENCES HSSC-I

104

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 active transport?
- (ii) What is the "Pace Maker" of heart?
- (iii) What is "Erythrocyte"? Write a note on it.
- (iv) Define "Stroke Volume".
- (v) What is the functional unit of liver?
- (vi) What is "Pleura"? Briefly write its structure?
- (vii) Draw a diagram of "Humerus"; label it.
- (viii) Name the parts forming renal tract.
- (ix) What is anatomy?
- (x) Write the constituents of Saliva.
- (xi) Name any 4 main joints of body.
- (xii) What is the blood supply of heart?
- (xiii) Name the first 6 cranial nerves.
- (xiv) Name the organs of male reproductive system.
- (xv) List the vitamins both water soluble and fat soluble.
- (xvi) What is alimentary canal? List the digestive activities.
- (xvii) What is mitochondria? Write its functions.

## SECTION – C (Marks 14)

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

(2 x 7 = 14)

- Q. 3 a. Draw a labelled diagram of "Sternum" bone?  
b. Name 4 skeletal muscles of your body.

(OR)

Draw a labelled diagram of Gall-bladder. What is the function of gall-bladder?

- Q. 4 Discuss "Cycle of breathing" and its mechanism in detail?

(OR)

Draw a labelled diagram of "biliary tract". Write 4 functions of liver?