

Roll No. 

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Sig. of Candidate. \_\_\_\_\_

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

Sig. of Invigilator. \_\_\_\_\_

29

## BASIC MEDICAL SCIENCES HSSC-II

### 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) In which position an unconscious patient must be placed?
- |                     |                      |
|---------------------|----------------------|
| A. Erect position   | B. Lying on the back |
| C. Sitting position | D. Recovery position |
- (ii) What is the type of Knee Joint?
- |                          |                  |
|--------------------------|------------------|
| A. Ball and Socket joint | B. Hinge joint   |
| C. Semi-movable joint    | D. None of these |
- (iii) In giving first aid to a case of fracture of long bone:
- A. The joint above the fracture should be immobilized
- B. The joint below the fracture should be immobilized
- C. Both the above and below joints should be immobilized
- D. No joint should be immobilized
- (iv) What is the aim of giving first aid?
- |                                  |                         |
|----------------------------------|-------------------------|
| A. To sustain life               | B. To treat the patient |
| C. To detect the cause of injury | D. None of these        |
- (v) Which of the following is a cause of Asphyxia?
- |                              |                            |
|------------------------------|----------------------------|
| A. Lack of $CO_2$ in blood   | B. Lack of oxygen in blood |
| C. Plenty of Oxygen in blood | D. None of these           |
- (vi) Natural ventilation depends upon:
- |                              |                              |
|------------------------------|------------------------------|
| A. Perflation and Aspiration | B. Difference of temperature |
| C. Diffusion of gasses       | D. All of these              |
- (vii) What is the causative organism of Scabies?
- |             |             |
|-------------|-------------|
| A. Bacteria | B. Virus    |
| C. Fungus   | D. Parasite |
- (viii) Which of the following is **NOT** a communicable disease ?
- |                 |            |
|-----------------|------------|
| A. Tuberculosis | B. Cholera |
| C. Typhoid      | D. Cancer  |
- (ix) Incubation period of measles is:
- |               |               |
|---------------|---------------|
| A. 1-5 days   | B. 6-10 days  |
| C. 10-14 days | D. 15-20 days |
- (x) T-A-B vaccine is used for protection against:
- |            |                  |
|------------|------------------|
| A. TB      | B. Enteric Fever |
| C. Malaria | D. Hepatitis B   |

**For Examiner's use only:**

**Total Marks:**

10

**Marks Obtained:**

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# BASIC MEDICAL SCIENCES HSSC-II

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

**NOTE:** Answer any eight 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 24)

**Q. 2** Answer any EIGHT parts. The answer to each part should not exceed 3 to 5 lines. (8 x 3 = 24)

- (i) How will you manage frost bite?
- (ii) Give tetanus immunization schedule for a pregnant lady.
- (iii) What is composition of Air?
- (iv) Differentiate between Communicable and Non-communicable diseases with one example.
- (v) Write any two signs of Asphyxia.
- (vi) What are the three basic steps of first-aid for a case of poisoning?
- (vii) What points will you note while inspecting a cinema hall for adequate ventilation?
- (viii) What is the cause of Scurvy?
- (ix) Name any three types of wounds.
- (x) Describe briefly the causative agent of AIDS.
- (xi) Define Health.

## SECTION - C (Marks 16)

**Note:** Attempt any TWO questions. All questions carry equal marks. (2 x 8 = 16)

- Q. 3** Write down the various methods of artificial ventilation.
- Q. 4** What is Immunization? Name any three diseases against which we can protect ourselves by immunization.
- Q. 5** Write the various means of purification of water for a community of 500,000 people.