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Answer Sheet \_\_\_\_\_

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

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

## OPERATION THEATRE TECHNIQUES HSSC-I

### SECTION – A (Marks 20)

**Time allowed: 25 Minutes**

**NOTE:** Section-A is compulsory and comprises pages 1-2. All parts of this section are to be answered on the question paper itself. It should be completed in the first 25 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 enzymes are **NOT** produced by bacteria?
 

A. Collagenase	B. Hyaluronidase
C. Amylase	D. Coagulase
- (ii) Enzymes are made of \_\_\_\_\_.
 

A. Proteins	B. Carbohydrates
C. Lipids	D. Vitamins and minerals
- (iii) Ciliated epithelium is found in \_\_\_\_\_.
 

A. Urinary tract	B. Respiratory tract
C. Stomach	D. Large intestine
- (iv) The life of normal RBC in circulation is approximately \_\_\_\_\_.
 

A. Two weeks	B. One month
C. Three months	D. 120 days
- (v) Which clotting factor is deficient in Haemophilia?
 

A. Factor II	B. Factor VIII
C. Factor X	D. Calcium ions
- (vi) At which of the following sites are the smooth muscles **NOT** found?
 

A. Blood vessels	B. Small intestine
C. Uterus	D. Heart
- (vii) Shock can be caused by \_\_\_\_\_.
  - A. Loss of fluid or blood from body
  - B. Chemical agents causing dilatation of blood vessels
  - C. Inadequate pumping of blood by the heart
  - D. All of these
- (viii) Meninges are membranous covering of brain and spinal cords. They are made of \_\_\_\_\_ layer (s).
 

A. Single	B. Two
C. Three	D. Four
- (ix) The parathyroid glands are located in \_\_\_\_\_.
 

A. Skull	B. Neck
C. Upper chest	D. Abdominal cavity
- (x) Which of the following muscles **DO NOT** take part in breathing?
 

A. Intercostal muscles	B. Diaphragm
C. Muscles of the neck	D. External muscles of the chest wall
- (xi) What is Pneumothorax?
 

A. Collection of fluid in pleural cavity	B. Collection of air in pleural cavity
C. Collection of blood in pleural cavity	D. Over-expansion of lungs

h.)





Time allowed: 2:35 Hours

Total Marks Sections B and C: 80

**NOTE:** Answer any twenty-five 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 50)**

**Q. 2 Answer any TWENTY-FIVE parts. The answer to each part should not exceed 2 to 4 lines. ( 25 x 2 = 50 )**

- (i) Define Microbiology. How do you classify microorganisms?
- (ii) Define oxygen requirements of bacteria.
- (iii) Name any four bacteria that produce Exotoxins.
- (iv) What is a culture medium? How do you classify culture media?
- (v) Draw a labelled diagram of Animal cell.
- (vi) What are the sites where stratified squamous epithelium is found in human body?
- (vii) What is a Gland? What are the main types of glands? Give two examples of each type.
- (viii) Describe briefly the characteristics of cardiac muscles.
- (ix) What are the different chambers of human heart? Give their names.
- (x) What is Muscle Tone?
- (xi) What are the functions of Lymph Nodes?
- (xii) Describe briefly the mechanism of Hypovolemic Shock.
- (xiii) What are the functions of Cerebral cortex?
- (xiv) Describe briefly the general structure of a long bone.
- (xv) Name the various parts of large intestine.
- (xvi) What are the functions of Gall Bladder?
- (xvii) Name any four diseases for which vaccination is available.
- (xviii) List the bones of cranium that cover the brain.
- (xix) What are the different types of joints? Give two examples for each.
- (xx) What are the functions of Testis?
- (xxi) Describe briefly the general structure of Bacteria.
- (xxii) Describe briefly the Lowenstein-Jensen medium. For which bacteria is it commonly used?
- (xxiii) Name three bacteria for each of the normal flora of skin and large intestine.
- (xxiv) What is Nosocomial infection? List the important Nosocomial infections.
- (xxv) List any four important fungal diseases in man.
- (xxvi) What are the routes of spread of Viral Hepatitis A?
- (xxvii) Write down the important features of Amoeba. What is the disease produced by amoeba?
- (xxviii) Write a short note on suction machine.
- (xxix) What are the uses of Formaldehyde?
- (xxx) What are the uses of Elli's forceps?
- (xxxi) What are the different types of non-absorbable sutures? Give examples.

**SECTION – C (Marks 30)**

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

(2 x 15 = 30)

**Q 3.** Describe the structure and functions of Stomach.

**Q 4.** Describe gross anatomy of human heart.

**Q 5.** What is meant by **Disinfection** and **Sterillization**? What are the methods used for Sterilization? Describe the process of Autoclaving.