



# OPERATION THEATRE TECHNIQUES HSSC-I

107

## SECTION – A (Marks 20)

Time allowed: 25 Minutes

Version Number 3 4 5 1

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 25 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) An Autoclave is a pressure chamber used to \_\_\_\_\_ equipment.  
A. Clean                      B. Sterilize                      C. Maintain                      D. None of these
- 2) Autoclave has \_\_\_\_\_ main parts.  
A. Two                      B. Three                      C. Four                      D. Five
- 3) Clostridium Tetani is:  
A. Gram -ve rod                      B. Gram -ve Cocci  
C. Gram +ve rod                      D. Gram +ve Cocci
- 4) Which one of the following is used for chemical sterilization?  
A. ETO                      B. Hydrogen peroxide  
C. Ozone                      D. None of these
- 5) Typhoid Fever is caused by:  
A. Mycobacterium                      B. Haemophilus  
C. Salmonella                      D. Shigella
- 6) Autoclave requires \_\_\_\_\_ minutes of steam at 121°C(249°F) .  
A. 25–30                      B. 5–10                      C. 10–15                      D. 15–20
- 7) Bleeding in a patient undergoing surgery is controlled by:  
A. Diathermy                      B. Cardiac monitor                      C. Defibrillator                      D. ETD
- 8) The normal RBC life in circulation is approximately:  
A. Two weeks                      B. Three weeks                      C. One month                      D. 120 days
- 9) A healthy Adult Donor of age between \_\_\_\_\_ years should be selected.  
A. 18–60                      B. 15–70                      C. 40–50                      D. 20–40
- 10) Parathyroid glands are located in:  
A. Skull                      B. Neck                      C. Upper chest                      D. Abdominal Cavity
- 11) AIDS is caused by:  
A. Virus                      B. Bacteria                      C. Protozoa                      D. Nematoda
- 12) There are \_\_\_\_\_ number of ventricles of the brain.  
A. Two                      B. Four                      C. Six                      D. Eight
- 13) Which of the following bacteria commonly cause urinary tract infections?  
A. E.Coli                      B. Anaerobic bacteria  
C. Clostridium Tetani                      D. Staphylococcus aureus
- 14) Which infusion is used commonly in a patient with severe diarrhoea?  
A. 5% Dextrose water                      B. 10% Dextrose water  
C. Ringerlactate                      D. Blood
- 15) Dengue Fever is caused by:  
A. Mosquito bite                      B. Scorpion bite                      C. Rat bite                      D. Snake bite
- 16) Which of the following diseases has **NO** vaccination?  
A. Measles                      B. Tetanus                      C. Hepatitis C                      D. Hepatitis B
- 17) Which bacteria produces greenish discharge and colonies?  
A. E.Coli                      B. Clostridium Welchi  
C. Stap. Aureus                      D. Pseudomonas Aerogenosa
- 18) There are \_\_\_\_\_ types of Detergents.  
A. 3                      B. 6                      C. 9                      D. 12
- 19) \_\_\_\_\_ is used for killing pathogenic microorganisms.  
A. Ozone                      B. Paracetic acid                      C. ETO                      D. None of these
- 20) In the Blood group systems, which group is Universal donor?  
A. O +ve                      B. B +ve                      C. AB +ve                      D. O –ve

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# OPERATION THEATRE TECHNIQUES HSSC-I

108

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) Briefly describe Gram-Staining.
- (ii) Classify Bacteria according to shape.
- (iii) Write down single example of Aerobe and Anaerobe bacteria.
- (iv) How is passive immunity achieved?
- (v) What are the types of O.T lights?
- (vi) Define oxygen requirement of Bacteria.
- (vii) Name any four bacteria that produce Exotoxins.
- (viii) Enlist the bones of Cranium that enclose the Brain.
- (ix) What are the different types of joints? Name them.
- (x) What are the functions of Testis?
- (xi) Write short note on Bacterial cell wall.
- (xii) Name four diseases caused by Protozoa.
- (xiii) Write short note on scrubbing.
- (xiv) Name four Bacteria causing Pneumonia.
- (xv) Name bacteria which commonly causes wound infections?
- (xvi) Describe the granules in cell. How are they stained?
- (xvii) Name the disease caused by Immune Deficiency Virus.
- (xviii) How is defibrillator used?
- (xix) Name the chemicals used in O.T as skin disinfectants.
- (xx) What is the causative agent of Liver Abscess?
- (xxi) Write names of four commonly used infusions.
- (xxii) Why is heating system provided in O.T?
- (xxiii) Name only two surgical operations of general surgery.
- (xxiv) What is the meaning of Anti-Coagulant?
- (xxv) Define Blood transfusion in 2 sentences.
- (xxvi) Name any two antiseptic solutions used in O.T.
- (xxvii) Name the surgical items used in O.T.
- (xxviii) What are communicable diseases? Name any four.
- (xxix) Write the names of bones making shoulder girdle.
- (xxx) What are antibiotics and for which microorganisms are they prescribed?
- (xxxi) What is debridement?

## SECTION – C (Marks 30)

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

(2 x 15 = 30)

- Q 3.**
- a. How monitoring is done for patients in operation theatre undergoing surgery in general anaesthesia.
  - b. Describe briefly about post-operative care of patients after shifting them from operation theatre to recovery room.
- Q 4.** Describe various parts of Anaesthesia machine and draw labelled diagram of Anaesthesia machine.
- Q 5.** Write down in detail about Staphylococcus Aureus, its pathogenicity, about its structure and mode of spread regarding diseases.



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