



OPERATION THEATRE TECHNIQUES HSSC-I

99

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) Classify bacteria according to shape.
- (ii) Briefly describe Gram staining.
- (iii) What is the role of Flagellae of Bacteria?
- (iv) Write down the names of three bacteria producing spores.
- (v) Write down single example of Anaerobe and Aerobe bacteria.
- (vi) Name four bacteria causing (UTI) Urinary tract infection.
- (vii) Name four bacteria causing Respiratory tract infection?
- (viii) Name two bacteria causing Meningitis.
- (ix) Name two obligate intracellular parasites.
- (x) Name two bacteria causing Enterocolitis.
- (xi) Write down the names of four bacteria of normal flora of respiratory tract.
- (xii) Write down four features of mycobacterium tuberculosis.
- (xiii) Write down two features of Exotoxins.
- (xiv) Write down two features of Endotoxins.
- (xv) Give two examples of Gram positive rods.
- (xvi) How is defibrillator used?
- (xvii) Write down the precautions of Diathermy.
- (xviii) What is innate immunity?
- (xix) Define Disinfection. Name two disinfectants.
- (xx) Write four components of Anesthesia Machine.
- (xxi) How is active immunity produced?
- (xxii) How is passive immunity achieved?
- (xxiii) Write four commonly used infusions.
- (xxiv) What precautions are taken while Blood transfusion?
- (xxv) What is pasteurization?
- (xxvi) Write down the properties of Staphylococcus Aureus.
- (xxvii) Write down the properties of Hepatitis B virus.
- (xxviii) How is monitoring of the patient done during surgery?
- (xxix) What are the types of O.T lights?
- (xxx) Why is heating system provided in O.T?
- (xxxi) Write four diseases caused by protozoa.

SECTION – C (Marks 30)

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

(2 x 15 = 30)

- Q 3.** Write down the names of Gram positive Cocci. What are their characteristics? What disease do they cause in humans?
- Q 4.** What is the importance of blood bank in a hospital? What are the various blood groups? Write a note on transfusion reactions and their prevention.
- Q 5.** Write down the names and uses of various parts of Anesthesia Machine.

- (xii) Children are vaccinated as per EPI program against:
- A. Fungal and viral diseases B. Viral and protozoal diseases
C. Viral and bacterial diseases D. Bacterial and protozoal diseases
- (xiii) Which of the following is obligate anaerobe?
- A. Staphylococcus Aureus B. E.Coli
C. Mycobacterium tuberculosis D. Clostridium Tetani
- (xiv) Which of the following is obligate Aerobe?
- A. Proteus B. Streptococcus
C. Mycobacterium tuberculosis D. Clostridium welchi
- (xv) Gram positive bacteria stain:
- A. Purple B. Pink
C. Black D. Blue
- (xvi) Which of the following is true regarding Bacterial spores?
- A. Spores are not heat resistant B. They are killed by disinfectants
C. They are formed by clostridium D. They are formed by E.Coli
- (xvii) Gram negative bacteria stain:
- A. Purple B. Red
C. Blue D. Pink
- (xviii) Hepatitis A virus spreads by:
- A. Blood borne route B. Sexual route
C. Feco oral route D. Air borne route
- (xix) Which of the following is a viral disease?
- A. Diaphtheria B. Tetanus
C. Malaria D. Poliomyelitis
- (xx) Hook worm causes _____ in children.
- A. Polio B. Anaemia
C. Pneumonia D. Fever

For Examiner's use only:

Total Marks:

20

Marks Obtained: