REV-01
BOT/16/21

2025/11

SET A

B.Sc. OPERATION THEATRE TECHNOLOGY
THIRD SEMESTER
HOSPITAL DUTY AND PATIENT CARE
BOT-303

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs. **Full Marks: 70**

Objective

Time: 30 mins. **Marks: 20**

Choose the correct answer from the following: ***1×20=20***

1. The main purpose of intravenous cannulation is:
   a. To collect blood sample
   b. To administer fluids and medications directly into the bloodstream
   c. To provide nutrition orally
   d. To measure blood pressure
2. What is the color code for 20G IV Cannula?
   a. Pink
   b. Blue
   c. Yellow
   d. Green
3. Which of the following is a complication of artificial ventilation?
   a. Pneumothorax
   b. Hypoglycemia
   c. Bradycardia
   d. Hypertension
4. The infection acquired from the hospital environment is called:
   a. Opportunistic infection
   b. Community-acquired infection
   c. Nosocomial infection
   d. Secondary infection
5. The most common mode of transmission of infection in hospital is:
   a. Airborne
   b. Contact transmission
   c. Vector-borne
   d. Fecal-oral
6. During the Middle Ages, hospital was often run by:
   a. Governments
   b. Monks and Religious order
   c. Soldiers
   d. Merchants
7. The Rig Veda mainly contains hymns related to:
   a. Surgery
   b. Religious prayers and chants
   c. Patient records
   d. Hospital classification
8. The Vedic concepts of health was mainly based on the balance of:
   a. Three doshas
   b. Four seasons
   c. Two body fluids
   d. Five elements only
9. Informed consent is valid only when the patient:
   a. Understands the procedure and agrees freely
   b. Is forced by staff
   c. Signs papers without information
   d. Is kept unaware
10. "Do no harm" refers to the principle of:
   a. Non-maleficence
   b. Autonomy
   c. Justice
   d. Responsibility

11. Which artery is commonly used to check the pulse at the wrist?
    a. Carotid artery
    b. Femoral artery
    c. Radial artery
    d. Brachial artery

12. A non-invasive method of measuring oxygen saturation is:
    a. Arterial Blood Gas
    b. Pulse Oximeter
    c. Spirometry
    d. Capnography

13. Which of the following is not a site for measuring body temperature?
    a. Oral
    b. Axilla
    c. Temporal
    d. Biceps

14. In case of snake bite, the recommended first aid is:
    a. Cut and suck the venom out
    b. Apply a tight tourniquet
    c. Keep the patient and immobilize the limb
    d. Apply ice over the bite site

15. For a person with severe external bleeding, the first priority is:
    a. Give water to drink
    b. Apply direct pressure on the wound
    c. Apply ointment
    d. Elevate the injured limb only

16. Which of the following is a type of artificial ventilation?
    a. Negative pressure ventilation
    b. Positive pressure ventilation
    c. Both a & b
    d. None of the above

17. Bag-Valve-Mask (BVM) ventilation is a type of:
    a. Mechanical ventilation
    b. Manual artificial ventilation
    c. Surgical airway
    d. Negative pressure ventilation

18. Which of the following is a type of wound?
    a. Incised wound
    b. Lacerated wound
    c. Puncture wound
    d. All of the above

19. The most life-threatening complication of severe burns is:
    a. Pain
    b. Scarring
    c. Infection and shock
    d. Dehydration only

20. A blood pressure reading of 90/60 mmHg indicates:
    a. Normal
    b. Hypotension
    c. Hypertension
    d. Shock

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Descriptive

Time : 2 hr. 30 mins. Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Define Burns. What are the causes and prevention of burns, classification of burns and its management? 1+9=10
2. Define Intravenous cannulation. Explain the detail indications, contraindications, sites, types, procedure and complications of IV cannulation. 1+9=10
3. What is First Aid? What are objectives of first aid and importance of aid and Golden rules of first aid? 2+8=10
4. Define medical ethics. Explain in detail the principles of medical ethics with examples. 2+8=10
5. Define disease transmission. Explain the different modes of transmission of communicable diseases with examples. 2+8=10
6. Define hemorrhage. Classify the types of hemorrhage and describe the general first aid measures for internal and external bleeding. 2+8=10
7. Define Infection. Classify the types of infections, route of spread of infection and write sign and symptoms of infections. 2+8=10
8. Define artificial ventilation. Write down the types of artificial ventilation and its indications in details. 2+8=10

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