

**B.Sc. IN ANAESTHESIA AND CRITICAL CARE
TECHNOLOGY (BACT)**

Term-End Examination

June, 2015

BAHI-071 : ESSENTIAL OF CLINICAL MEDICINE

Time : 3 hours

Maximum Marks : 70

SECTION - A

Answer **any three** of the following : **10x3=30**

1. Describe the various routes of drug administration with examples.
2. Classification and mechanism of action of local anaesthetics. Mention the various preparation of lignocaine.
3. Describe the different modes and spread and control of infection.
4. Describe the anatomy of heart with help of a diagram.
5. Enumerate the parts of respiratory system and describe briefly.

SECTION - B

6. Write short notes on **any five** of the following : **4x5=20**
- (a) Coronary circulation
 - (b) HIV virus
 - (c) Atropine Vs glycopyrrolate
 - (d) Amiodarone
 - (e) Ropivacaine
 - (f) Cold sterilization
 - (g) Mechanism of respiration

SECTION - C

7. Fill in the blanks : **1x10=10**
- (a) Intravenous anaesthetic agent which is absolutely contraindicated in porphyria is _____.
 - (b) Colour code of sevoflurane is _____.
 - (c) Maximum safe dose of plain lignocaine is _____.
 - (d) _____ is the drug of choice for malignant hyperpyrexia.
 - (e) Expanded form of NIBP is _____.
 - (f) Main muscle of respiration is _____.
 - (g) Induction agent of choice in day care anaesthesia is _____.
 - (h) 2.5% thiopentone sodium contains _____ mg of drug in 1 ml.
 - (i) Shelf life of glutaraldehyde is usually _____.
 - (j) Universal recipient in blood group is _____.

SECTION - D

8. Write whether the following statements are **TRUE** or **FALSE**. **1x10=10**
- (a) Desflurane is a volatile anaesthetic with high boiling point.
 - (b) Tricuspid valve is situated between left atrium and left ventricle.
 - (c) Tuberculosis is caused by a virus.
 - (d) Ringer lactate contains potassium.
 - (e) Succinylcholine can cause hyperkalemia in paraplegia patients.
 - (f) Maximum safe dose of bupivacaine is 2-3 mg/kg.
 - (g) Autoclaving uses the principle of dry heat.
 - (h) Atracurium causes histamine release.
 - (i) 3% saline is a colloid.
 - (j) Salbutamol is not a bronchodilator.
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