

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

Term-End Examination

December, 2014

BAHI-071 : ESSENTIAL OF CLINICAL MEDICINE

Time : 3 Hours

Maximum Marks : 70

SECTION - A

Answer **any three** of the following : **3x10=30**

1. Describe the composition and functions of blood.
2. Describe cardiac cycle.
3. Classify bronchodilator drugs and describe aminophyllin in detail.
4. Classify muscle relaxants and describe succinylcholine.
5. Describe the anatomy of larynx with the help of a diagram.

SECTION - B

6. Write short notes on **any five** of the following : **5x4=20**
- (a) Universal precaution
 - (b) Colloids
 - (c) Adrenaline
 - (d) Structure of heart
 - (e) Sevoflurane
 - (f) Muscles of respiration
 - (g) Autoclaving

SECTION - C

7. Fill in the blanks : **10x1=10**
- (a) The total duration of a cardiac cycle is _____ .
 - (b) Drug of choice in Paroxysmal Supraventricular Tachycardia (PSVT) is _____ .
 - (c) Expanded form of FRC is _____ .
 - (d) Induction dose of etomidate is _____ .
 - (e) Colour coding of halothane is _____ .
 - (f) Trachea ends by dividing into right and left bronchi at the level of _____ vertebra.
 - (g) 0.5% Bupivacaine contains _____ mg of the drug in/ml.
 - (h) Induction agent of choice in shock is _____ .
 - (i) Hepatitis is caused by a _____ .
 - (j) _____ is a mixture of 50% nitrous oxide and 50% oxygen.

SECTION - D

8. Write whether the following statements are **true** or **false** : **10x1=10**
- (a) Phenylephrine causes tachycardia.
 - (b) Normal saline contains potassium.
 - (c) Pharmacokinetics is what a drug does to the body.
 - (d) Right bronchus is wider and shorter than left bronchus.
 - (e) Atracurium is the muscle relaxant of choice in bronchial asthma.
 - (f) 'O' blood group is universal donor.
 - (g) Mitral valve is situated between right atrium and right ventricle.
 - (h) Thiopentone sodium is highly alkaline.
 - (i) Maximum safe dose of Bupivacaine is 7 mg/kg.
 - (j) The primary site of drug metabolism is liver.
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