

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

**Term-End Examination**

**June, 2016**

00186

**BAHI-071 : ESSENTIAL OF CLINICAL MEDICINE**

*Time : 3 hours*

*Maximum Marks : 70*

**Note :** Answer any *three* questions from Part A. Parts B, C and D consist of one question each. These are **compulsory** and carry 10 marks each.

**PART A**

Answer any *three* questions.

$3 \times 10 = 30$

1. Describe the conduction system of heart with the help of a diagram. 10
2. Briefly describe the modes of spread of infection. 10
3. Classify local anaesthetics and briefly describe lignocaine. 10
4. Mention the clinical features, modes of transmission and prophylaxis of HIV infection. 10
5. Describe crystalloids and colloids.  $5+5=10$

## PART B

6. Write short notes on any *five* of the following : 5×4=20

- (a) Fumigation
- (b) Scoline apnoea
- (c) Neostigmine
- (d) Difference between I/M and I/V routes
- (e) Yeast
- (f) Muscles of respiration
- (g) Dopamine

## PART C

7. Fill in the blanks.

10×1=10

- (a) Maximum safe dose of bupivacaine is \_\_\_\_\_ .
- (b) Drug used to treat benzodiazepine overdose is \_\_\_\_\_ .
- (c) \_\_\_\_\_ is what a drug does to the body.
- (d) Quality of pseudocholinesterase is determined by \_\_\_\_\_ number.
- (e) Induction agent which is contraindicated in an epileptic patient is \_\_\_\_\_ .
- (f) \_\_\_\_\_ is the study of microbes.
- (g) Metabolic acidosis is treated by giving \_\_\_\_\_ .
- (h) An anticholinergic drug which is used as a bronchodilator is \_\_\_\_\_ .
- (i) 50% O<sub>2</sub> and 50% N<sub>2</sub>O is known as \_\_\_\_\_ .
- (j) Basic unit of lungs is \_\_\_\_\_ .

## PART D

8. Write whether the following statements are *true*

or *false* :

*10×1=10*

- (a) Normal saline contains potassium.
  - (b) Rocuronium can be used for intubation.
  - (c) Sterilization using ionizing rays like gamma rays is called cold sterilization.
  - (d) Robert Koch discovered tuber bacilli (TB).
  - (e) MAC value of halothane is 2.
  - (f) Desflurane can be used for induction.
  - (g) Dopamine is a vasodilator.
  - (h) SA node is the pacemaker of the heart.
  - (i) HES can increase blood sugar in diabetic patients.
  - (j) Organisms causing diphtheria enter through respiratory tract.
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