

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

Term-End Examination

December, 2010

BAHI-071 : ESSENTIAL OF CLINICAL MEDICINE

Time : 3 hours

Maximum Marks : 70

SECTION - A

Answer any three of the following questions :

1. Describe the types of blood vessels. 10
2. Enlist the different lung volumes, explain any two of them. 10
3. What are the different preparations of lignocaine available ? Mention their clinical uses. 10
4. Describe the various components of blood. 10
5. Describe the different methods of sterilization. 10

SECTION - B

6. Write short notes on any five of the following : $4 \times 5 = 20$

- (a) Cardiac cycle
- (b) Superficial arterial pulses of the body
- (c) E . T . O sterilization
- (d) Universal Precaution
- (e) Atropine
- (f) Propofol
- (g) I . V . fluids.

SECTION - C

7. Fill in the Blanks :

1x10=10

- (a) Blood group _____ is a universal recipient.
- (b) The average life span of R.B.Cs is _____ days.
- (c) Tidal volume in an adult is calculated as _____ ml / kg.
- (d) The conduction fibres along the ventricles are called _____ .
- (e) 0.5% of Bupivacaine contains _____ mg of drug in 1 ml.
- (f) L. M. A. can be sterilized by _____ .
- (g) Hospital acquired infections are called _____ infection.
- (h) Normal pH of blood is _____ .
- (i) The muscle relaxant which can be used in organ failure is _____ .
- (j) Expanded form of AIDS is _____ .

SECTION - D

8. Write whether the following statements are *true* or *false* : 1x10=10
- (a) Haemophilia is a disease in which blood fails to clot.
 - (b) Propotoe may cause pain during injection.
 - (c) Universal precautions are used only in HIV / AIDS.
 - (d) Diaphragm is supplied by recurrent laryngeal nerve.
 - (e) Heparin is used for preventing the clotting of blood.
 - (f) Mannitol increases intracranial pressure.
 - (g) 60% of body weight is water.
 - (h) U.V. radiation is used for cold sterilization .
 - (i) Pseudomonas infections are very easy to treat.
 - (j) Thiopentine in high doses is used in neurosurgery.
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