

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

Term-End Examination

December, 2011

00322

BAHI-071 : ESSENTIAL OF CLINICAL MEDICINE

Time : 3 hours

Maximum Marks : 70

SECTION - A

Answer *any three* of the following.

1. Classify the muscle relaxants used in anaesthesia with examples. Explain the process of reversal of their effect. **10**
2. How will you position a patient for spinal anaesthesia for her via operation ? Describe the packing and sterilization of a spinal set. **10**
3. Describe the various components of blood and their functions. **10**
4. Describe the anatomy of lungs and pleura and how does the air exchange take place in the lungs ? **10**
5. Describe the cardiac cycle with a diagram. **10**

SECTION - B

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

- (a) Universal Precautions
- (b) Blood group and cross-matching
- (c) Aims of Pre-medication
- (d) Fentanyl
- (e) Fumigation
- (f) Adrenaline
- (g) Modes of spread of infection.

SECTION - C

7. Fill in the blanks.

1x10=10

- (a) Cardiac impulse originates in the _____
- (b) _____ is the largest gland in the body
- (c) The most important muscle of the respiration is _____
- (d) _____ is added to lignocaine to prolong the duration of action.
- (e) Hospital acquired infections are called _____ infection.
- (f) The muscle relaxant _____ is metabolised by Hoffman's degradation
- (g) Diastolic pressure + $\frac{1}{3}$ pulse pressure is _____ pressure.
- (h) Expanded form of NIBP _____.
- (i) 0.25% of Bupivacaine contains _____ mg of drug in 1 ml.
- (j) Percentage of oxygen in the atmospheric air is _____.

SECTION - D

8. Write whether the following statements are **true** or **false**. **1x10=10**

- (a) Hepatitis B virus can be transmitted by needle stick injury.
 - (b) Autoclaving kills bacteria and spores.
 - (c) In a normal person oral temperature is less than rectal temperature.
 - (d) Trigeminal nerve supplies the Nocal cord.
 - (e) The stimulation of the Vagal nerve will increase the heart rates.
 - (f) Blood pressure decreases during sleep.
 - (g) Nitrous oxide is a volatile anaesthetic gas
 - (h) In dengue fever the white blood cells are increased.
 - (i) U.V. radiation is used for cold sterilization
 - (j) Central venous pressure is measured at the level of the left ventricle.
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