

00660

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

Term-End Examination

June, 2014

BAHI-071 : ESSENTIAL OF CLINICAL MEDICINE

Time : 3 Hours

Maximum Marks : 70

SECTION - A

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

1. What are the different blood groups ? Describe the physiology of blood coagulation.
2. Draw and label superficial pulses of the body. How do you monitor the cardiac function under anaesthesia ?
3. Classify muscle relaxants used in anaesthesia.
4. With the help of a diagram describe various lung volumes and capacities.
5. How do you practise barrier nursing and universal precaution to prevent the infections ?

SECTION - B

6. Write short notes on any five. 4x5=20
- (a) Ethylene oxide sterilization
 - (b) Propofol
 - (c) Colloids and crystalloids
 - (d) Adrenaline
 - (e) Routes of drug administration
 - (f) Reversal of muscle relaxants
 - (g) Diuretics

SECTION - C

7. Fill in the blanks. 1x10=10
- (a) _____ % Bupivacaine is used for spinal anaesthesia.
 - (b) Mannitol is an osmotic diuretic used to _____ brain oedema.
 - (c) _____ is the disinfectant which is effective against HIV and Hepatitis virus in the hospital.
 - (d) Air when collected between the pleural layers is called _____.
 - (e) When colloids are used to replace blood loss the ratio is _____.
 - (f) Minute volume is tidal volume X _____.
 - (g) _____ is the antidote for Heparin.
 - (h) Ketamine causes _____ anaesthesia.
 - (i) In polycythemia vera the haemoglobin percentage is _____.
 - (j) The stimulation of vagus nerve will _____ heart rate.

SECTION - D

8. Write whether the following statements are true or false. 1x10=10
- (a) Normal saline contains potassium also.
 - (b) Nebulizers are preferred in severe episodes of asthma and for children and elderly.
 - (c) Diaphragm is supplied by recurrent laryngeal nerve.
 - (d) Glutaraldehyde once prepared can be used for a month.
 - (e) Oxytocin (syntocinon) increases the force and frequency of uterine contraction.
 - (f) Physician induced infections are called iatrogenic infection.
 - (g) Universal precautions are only for HIV/AIDS Infection.
 - (h) 60% body weight is water.
 - (i) Sodium Nitroprusside infusion bottle should be covered with black paper.
 - (j) Effect of non depolarising relaxant is reversed by cholinestrase.
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