

00375 B.Sc. IN ANAESTHESIA AND CRITICAL CARE
TECHNOLOGY (BACT)

Term-End Examination

June, 2011

BAHI-071 : ESSENTIAL OF CLINICAL MEDICINE

Time : 3 hours

Maximum Marks : 70

SECTION - A

Answer *any three* of the following questions :

1. Describe briefly the muscles of Respiration. 10
2. Draw a cross section of the heart and label the parts. 10
3. What are the common non - depolarising muscle relaxants in clinical use ? Describe the action of vecuronium. How do you reverse its action ? 10
4. Describe the different methods of sterilization. 10
5. What are the different blood groups ? Briefly describe the clotting mechanism. 10

SECTION - B

6. Write short notes on *any five* of the following : 4x5=20

- (a) Thiopentone.
- (b) Colloids and crystalloids.
- (c) Universal Precautions.
- (d) Functions of Larynx.
- (e) Fumigation.
- (f) Blood components.
- (g) Morphine.

SECTION - C

7. Fill in the blanks :

1x10=10

- (a) Blood group _____ is a universal donar.
- (b) Blood supply of the heart muscles is from two _____ arteries.
- (c) The muscle relaxant which can be used in renal failure is _____.
- (d) Concentration of Bupivacaine used in Spinal subarachnoid block is _____.
- (e) Percentage of oxygen in the air is _____ % .
- (f) 2 %xylocaine contains _____ mg in oneml.
- (g) Hospital acquired infections are called _____ infections.
- (h) In dengue fever the number of _____in the blood is decreased.
- (i) The pace maker of the heart is situated at _____.
- (j) Endoscopic instruments can be sterilized by _____.

SECTION - D

8. Write whether the following statements are *true* or *false*. 1x10=10
- (a) Diaphragm is supplied by phrenic nerve.
 - (b) Normal duration of cardiac cycle is 2 seconds.
 - (c) Seroflurane is an irritant gas.
 - (d) Succinyl choline causes Fasciculations.
 - (e) Ketamine can be given by both 1/v and 1/m routes.
 - (f) In polycythemia vera the hemoglobin percentage is very high.
 - (g) Mannitol is used to reduce intracranial pressure in nervosurgery.
 - (h) 60 % of body weight is water.
 - (i) Dyspnea is difficulty in breathing.
 - (j) Fentanyl causes relief of pain.
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