

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

00032

**Term-End Examination
December, 2011**

BAHI-073 : ESSENTIAL OF ANAESTHESIOLOGY

Time : 3 hours

Maximum Marks : 70

SECTION - I

Choose the most appropriate answer.

1x10=10

1. Normal respiration in adult is :
 - (a) 20/min
 - (b) 12 - 16 min
 - (c) 8 - 10 min

2. Peripheral site for measuring body temperature is :
 - (a) Skin (axilla)
 - (b) Naso pharynx
 - (c) Tympanic membrane

3. To convert 104° F to Celsius :
 - (a) $C = (104 + 32) \frac{5}{9}$
 - (b) $C = (104 - 32) \frac{5}{9}$
 - (c) $C = (104 - 32) \frac{9}{5}$

4. Small BP cuff than required, if used will give :
 - (a) falsely high reading
 - (b) falsely low reading
 - (c) accurate reading

5. Respiratory Centre in the brain is located at :
 - (a) Cerebellum
 - (b) Cerebrum
 - (c) Medulla oblongata

6. Central Venous catheter tip lies accurately at :
 - (a) junction of RA and RV
 - (b) Junction of Sup. vena cava and RA
 - (c) R.A

7. Most common lead monitored in the ECG to detect rhythm change is :
 - (a) Head I
 - (b) Head II
 - (c) Head III

8. Minimum O₂ percentage used in anaesthesia machine is :
 - (a) 30 %
 - (b) 10 %
 - (c) 50 %

9. Curare cleft in the capnogram indicates
- (a) Obstruction in the airway
 - (b) Muscle relaxant is wearing off
 - (c) Bronchospasm
10. Stages of anaesthesia is described in 1920 by
- (a) Gendal
 - (b) Carl Koller
 - (c) August Bier

SECTION - II

Fill in the blanks.

1x10=10

1. The term "anaesthesia" which means sleep was coined by the Greek philosopher _____.
2. 90% of SPO_2 corresponds to a PO_2 _____ mm Hg
3. Drug used with neostigmine to counter side effect is _____ or _____.
4. The triad of anaesthesia are loss of sensation, loss of _____ and _____.
5. Example of a non-particulate antacid is _____.
6. During Sellick's maneuver, pressure is applied to _____ cartilage.
7. Drugs that reduce secretions are called _____.
8. The full form of C.V.P is _____.
9. Pulse oximetry is based on _____ law.
10. The arterial CO_2 (PCO_2) is usually _____ mm Hg more than the $ETCO_2$.

SECTION - III

Answer *any five* of the following

10x5=50

1. Aims of Pre medication
 2. Post operative recovery room care
 3. Rapid Sequence Induction
 4. Pulse Oximetry
 5. Methods of controlled hypotension
 6. Difficult airway cart and the equipment in it.
 7. Fiberoptic Intubation
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