

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

Term-End Examination 00925

December, 2012

**BAHI-074 : ICU MANAGEMENT, CPR AND
TRAUMA LIFE SUPPORT**

Time : 3 Hours

Maximum Marks : 70

Note : *Choose the most appropriate answer. Answer all questions in this section.*

PART - A

1. (a) Minimum accepted MAP during off pump CABG is : **1×10=10**
- (i) 40 - 60 mm Hg
 - (ii) 60 - 80 mm Hg
 - (iii) 80 -100 mm Hg
- (b) If the patient complains of severe chest pain after cardiac compression the most common likely cause is :
- (i) Nerve compression
 - (ii) Fracture ribs
 - (iii) Cardiac rupture

- (c) International color coding for 22 Gauge Cannula is :
- (i) Pink
 - (ii) Blue
 - (iii) Green
- (d) Pulse rate in atrial fibrillation is :
- (i) Less than 60/minute
 - (ii) More than 200/minute
 - (iii) No pulse
- (e) The gold standard to confirm endotracheal intubation is :
- (i) Capnography
 - (ii) Bilateral chest movement
 - (iii) Pulse oximetry
- (f) The normal inspiratory to expiratory (I : E) ratio set in a ventilator for a infant is :
- (i) 1 : 2
 - (ii) 1 : 3
 - (iii) 1 : 4
- (g) Difficult airway trolley contains all **except** :
- (i) McCoy laryngoscope
 - (ii) Stylet and bougies
 - (iii) Artery forceps

- (h) Sodlime contains 94% of :
- (i) Calcium hydroxide
 - (ii) Sodium hydroxide
 - (iii) Potassium hydroxide
- (i) Example of solution used for trauma resuscitation is :
- (i) Ringer's lactate
 - (ii) Dextrose saline
 - (iii) Albumin
- (j) During mouth to mouth ventilation the victim will receive :
- (i) 100% oxygen
 - (ii) 21% oxygen
 - (iii) 16% oxygen

2. Fill in the blanks.

1x10=10

- (a) The expanded form of PEEP is _____ .
- (b) The expanded form of FRC is _____ .
- (c) Most effective treatment of ventricular fibrillation is _____ .
- (d) Most effective caution for treatment of arrhythmias is _____ .
- (e) Ivy's method is used for measurement of _____ parameter of blood.

- (f) _____ blood group is known as universal recipient.
- (g) Triple manouvere includes _____ .
- (h) The new ACLS guidelines of 2010 change the ABC of CPR into _____ .
- (i) To increase the anaesthetic concentration near nerve fibres _____ is added to local anaesthetics solution.
- (j) The major content of sodalime is _____ .

PART - B

Answer **any six** of the following. Each carries **five** marks.

3. Explain the importance of sedation in the ICU. 5
4. Describe the steps to perform a safe tracheal intubation. 5
5. Describe the Glasgow Coma Scale. 5
6. Write about difficult Airway Cart. 5
7. Describe the asepsis during insertion of a venous neckline. 5
8. Explain the importance of doing a preanaesthetic check up. 5
9. Explain the importance of monitoring in anaesthesia. 5
10. Explain the various causes of cardiac arrest. 5
11. Describe Prehospital Care of Chest injury. 5

PART - C

Answer **any two** questions. Each carries **10** marks.

12. Describe the ICU management in a post head injury patient, with special regards to his respiratory management. **10**
 13. How will you manage a patient on the operation theatre table having a difficult airway ? **10**
 14. How will you manage a patient going into recurrent atrial fibrillation ? **10**
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