

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

**Term-End Examination      00662**  
**December, 2011**

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

*Time : 3 hours*

*Maximum Marks : 70*

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**PART - A**

1. Choose the most appropriate answer. **1x10=10**
- (a) The minimum output of urine in an I.C.U. patient should be
- (i) 4-5 ml/kg/hr
  - (ii) 0.5-1 ml/ kg/hr
  - (iii) 10 ml / kg/ hr.
- (b) The test used to assess progress in a patient undergoing respiratory therapy in I.C.U.
- (i) E.C.G
  - (ii) A.B.G
  - (iii) Haemoglobin
- (c) The normal inspiratory to expiratory time (I:E) ratio set in a ventilater is
- (i) 1 : 2
  - (ii) 1 : 3
  - (iii) 1 : 4

- (d) Example of crystalloid is
  - (i) Penta starch
  - (ii) albumin
  - (iii) Ringer Lactate
- (e) International colour coding for 18G cannula is :
  - (i) Pink
  - (ii) Yellow
  - (iii) Green
- (f) The 'gold standard' to confirm endotracheal intubation is :
  - (i) Capnography
  - (ii) Bilateral chest movement
  - (iii) Pulse oximetry
- (g) During mouth to mouth ventilation the victim will receive
  - (i) 100% O<sub>2</sub>
  - (ii) 21% O<sub>2</sub>
  - (iii) 16% O<sub>2</sub>
- (h) Chest compressions are given ideally at the
  - (i) lower border of sternum
  - (ii) middle of sternum
  - (iii) upper border of sternum
- (i) Pulse rate in ventricular fibrillation is
  - (i) less than 60/ min
  - (ii) more than 200/ min
  - (iii) no pulse.

- (j) If the patient complains of severe pain in the chest after cardiac compression the most likely cause is
- (i) nerve compression
  - (ii) Fracture ribs
  - (iii) cardiac rupture

2. Fill in the blanks.

1x10=10

- (a) The expanded form of PEEP \_\_\_\_\_
- (b) The expanded form of ARDS \_\_\_\_\_
- (c) The full form of AED \_\_\_\_\_
- (d) According to 2010 AHA guide line of CPR the change of ABC is to \_\_\_\_\_
- (e) Manual inline immobilization is used for \_\_\_\_\_ fracture.
- (f) Capillary refill time is an assessment of \_\_\_\_\_
- (g) Universal recipient is \_\_\_\_\_ blood group.
- (h) The most effective treatment for Ventricular fibrillation is \_\_\_\_\_.
- (i) Triple maneuver includes \_\_\_\_\_
- (j) With the administration of PEEP blood pressure can \_\_\_\_\_

**PART - B**

Answer any six of the following

Each carries 5 marks.

3. Indications of mechanical ventilation 5
4. Five causes of cardiac arrest 5
5. Glasgow coma scale 5
6. How to set up a resuscitation trolley in the ward. 5
7. Technique of tracheal suction in an intubated patient in ICU. 5
8. Triagings Trimodal distribution of trauma patient 5
9. Adult BLS algorithm 5

## PART - C

Answer any two questions. Each carries  
10 marks. 10x2=20

10. Why monitoring is important during anaesthesia ? Describe the monitoring during anaesthesia.
  
  11. Why pre-anaesthetic check up is important ? How will you prepare for difficult intubation ?
  
  12. Describe the pre hospital care of a head injury patient.
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