

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

Term-End Examination

December, 2014

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

Time : 3 Hours

Maximum Marks : 70

SECTION - I

1. Choose the most appropriate answer. **10x1=10**
- (a) Normal inspiratory to expiratory ratio (I : E ratio) set on a ventilator is :
- (i) 1 : 2
 - (ii) 1 : 3
 - (iii) 1 : 4
- (b) The test used to assess the progress of a patient undergoing respiratory therapy in I.C.U. is :
- (i) ECG
 - (ii) ABG
 - (iii) Capnography
- (c) Mechanical ventilation is most commonly _____ pressure ventilation.
- (i) Negative
 - (ii) Positive
 - (iii) Atmospheric

- (d) The commonest rhythm in adult cardiac arrest is :
- (i) Asystole
 - (ii) Ventricular fibrillation
 - (iii) Pulseless electrical activity
- (e) Hands only CPR is done by :
- (i) Untrained lay rescuer
 - (ii) Trained lay rescuer
 - (iii) Health care provider
- (f) Triage is based on the :
- (i) Trauma score
 - (ii) Glasgow coma scale
 - (iii) Both of the above
- (g) In suspected cervical spine injury :
- (i) Triple Maneuver can be done
 - (ii) Only jaw thrust can be done
 - (iii) Head tilt and chin lift can be done
- (h) When crystalloids are used to replace blood the ratio is :
- (i) 3 : 1
 - (ii) 2 : 1
 - (iii) 1 : 1
- (i) Surgical airway means :
- (i) Guedel's Airways
 - (ii) Naso Pharyngeal Airway
 - (iii) Tracheostomy
- (j) _____ is the key drug used in CPR.
- (i) atropine
 - (ii) isoprenaline
 - (iii) adrenaline

SECTION - II

2. Fill in the blanks. 10x1=10
- (a) The expanded form of A.E.D is _____
_____.
 - (b) Chest Compression Depth in Adult CPR is at least _____ inches.
 - (c) Strict _____ before and after the handling of patients in ICU will prevent the spread of infection.
 - (d) The expanded form of ATLS is _____
_____.
 - (e) Heimlich maneuver is used in _____.
 - (f) In mouth to mouth ventilation the rescuer's air contains approximately _____ of O₂.
 - (g) Physiological PEEP is _____ cm H₂O pressure.
 - (h) Optimum nurse to patient ratio in HDU is _____ : _____.
 - (i) CMV (Controlled Mandatory Ventilation) can be _____ control or _____ control.
 - (j) T piece trials are used to _____ the patient from the ventilator.

SECTION - III

3. Write short notes on **any four** : 4x5=20
- (a) PEEP
 - (b) AED
 - (c) Adult BLS algorithm
 - (d) Triaging trauma patients
 - (e) Tracheal suction in ICU
 - (f) Glasgow Coma Scale

SECTION - IV

4. Answer **any three** of the following : **3x10=30**

- (a) Describe the care of ventilated patient in I.C.U.
 - (b) What are the causes of cardiac arrest ?
 - (c) Describe in detail the management of trauma patients.
 - (d) Describe the chest compression method in CPR and what are the complications ?
-