

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

Term-End Examination

June, 2012

00123

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

Time : 3 Hours

Maximum Marks : 70

SECTION - I

1. Choose the most appropriate answer **1x10=10**
- (a) The recommended tidal volume for mechanical ventilation is
 - (i) 6-10 ml /kg
 - (ii) more than 10 ml /kg
 - (iii) 2-3 ml /kg
 - (b) The optimum nurse : patient ratio in ICU is
 - (i) 1 : 1 (ii) 1 : 3 (iii) 1 : 5
 - (c) Ratio of compression to ventilation in adult C.PR is
 - (i) 30 : 12
 - (ii) 15 : 2
 - (iii) 30 : 2

- (d) Example of colloid is
 - (i) Ringer lactate
 - (ii) Gelofusin
 - (iii) Dextrose saline
- (e) International colour coding for 20G cannula
 - (i) Pink (ii) orange (iii) green
- (f) The drug of choice in CPR is
 - (i) atropine
 - (ii) adrenaline
 - (iii) Isoprenaline
- (g) Unviversal precaution includes all except
 - (i) Protective eye wear
 - (ii) Plastic gown
 - (iii) Sterile clothes
- (h) After defibrillation, the next thing to do is
 - (i) Check the pulse
 - (ii) Take ECG
 - (iii) Resume chest compression and ventilation
- (i) The most common initial rythm witnessed in sudden cardiac arrest in an adult is
 - (i) asrptole
 - (ii) Pulseless electrical activity
 - (iii) Ventricular fibrillation.
- (j) Surgical airway means
 - (i) Tracheostomy
 - (i) Nasopharyngeal air way
 - (iii) Gnedel's airway

SECTION - II

2. Fill up the blanks

1x10=10

- (a) The expanded form of SIMV _____.
- (b) The expanded form of FiO_2 _____.
- (c) Normal PaO_2 is _____.
- (d) During CPR the pulse to be checked for cardiac activity is _____.
- (e) AED pads are placed on _____ and _____ position
- (f) Universal donar is _____ blood group.
- (g) Compression depth during adult CPR is at least _____ inches
- (h) _____ maneuver is used for choking
- (i) Triple lumen catheter is the best to measure _____ pressure
- (j) Ratio of crystalloid to blood when using crystalloid to replace blood loss is _____.

SECTION - III

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

5x6=30

3. A.E.D and its usage
4. Complications of mechanical ventilation
5. Technique of ABG sampling
6. Heimlich maneuver
7. Triaging of Trauma patient
8. Technique of external cardiac massage in an adult
9. Resuscitation of a patient with hypovolemic shock

SECTION - IV

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

10. Describe the technique of Tracheal Suction in an intubated patient in I.C.U.
 11. Enlist the causes of Cardiac Arrest. How will you manage a patient with Cardiac Arrest ?
 12. Explain the post-anaesthetic management of an operated patient.
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