

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

Term-End Examination

December, 2015

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

Time : 3 hours

Maximum Marks : 70

Note : *The question paper consist of four Parts, Part A, B, C and D. Part - A and B consist of one question each of 10 marks which is compulsory. Part - C consist of seven questions. Attempt any six questions from Part - C Part - D consist of three questions. Attempt any two question from Part - D.*

PART - A

1. Choose the most appropriate answer : **1x10=10**
- (a) Alveolar injury due to excessive pressure during ventilation is called :
- (i) Pressure Injury
 - (ii) Barotrauma
 - (iii) Alveolar Trauma
- (b) International colour coding for 18 G intravenous cannula is :
- (i) Green
 - (ii) Blue
 - (iii) Yellow

- (c) Ratio of compression ventilation in 2 rescuer CPR is :
 - (i) 30 : 2
 - (ii) 15 : 2
 - (iii) 30 : 1
- (d) Minimum urine output for normal renal function is :
 - (i) 1 ml/kg/hr
 - (ii) 0.5 ml/kg/hr
 - (iii) 2 ml/kg/hr
- (e) Black eye is seen after :
 - (i) Fracture skull bones
 - (ii) Fracture ribs
 - (iii) Fracture spine
- (f) Blood supply in dependent area of lung is :
 - (i) more
 - (ii) less
 - (iii) no difference
- (g) The most reliable method of detecting tracheal intubation is :
 - (i) Pulse oximeter
 - (ii) ECG
 - (iii) CO₂ detector
- (h) Most wide complex tachycardia's are :
 - (i) ventricular in origin
 - (ii) atrial in origin
 - (iii) both
- (i) The pulse checked in an infant to diagnose cardiac arrest is :
 - (i) carotid pulse
 - (ii) brachial pulse
 - (iii) radial pulse
- (j) Drug of choice during cardiac arrest is :
 - (i) Adrenaline
 - (ii) Ephedrine
 - (iii) Phenylephrine

PART - B

2. Fill in the blanks : 1x10=10

- (a) The latest guidelines for CPR is AHA _____.
- (b) With the administration of PEEP, BP can _____.
- (c) An example of shockable rhythm during cardiac arrest is _____.
- (d) Pressure support is provided during the _____ phase of respiration
- (e) Most effective treatment for atrial fibrillation is _____
- (f) Normal PaO_2 is _____.
- (g) _____ is an example of a surgical airway.
- (h) Categorising a trauma patient on the basis of injury is called _____.
- (i) _____ is an example of a colloid.
- (j) The fullform of ARDS is _____.

PART - C

Answer **any six** of the following. Each question carries 5 marks : 5x6=30

- 3. Steps of performing a tracheal suction.
- 4. Technique of ABG sampling.
- 5. Describe the management of Ventricular Tachycardia.

6. Write a note on the monitoring of a patient on ventilator.
7. What are the indications of mechanical ventilation ?
8. Describe Universal Precautions.
9. What is the general care you will take in a patient admitted in ICU ?

PART - D

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

10x2=20

10. How do you manage the airway in a trauma patient ?
 11. How do you diagnose cardiopulmonary arrest ?
Enumerate the various ECG changes you see in a cardiac arrest.
 12. Describe the pre hospital care of trauma patients.
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