

**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) CO<sub>2</sub> 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<sub>2</sub> 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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