

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

Term-End Examination

00659

June, 2013

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

Time : 3 Hours

Maximum Marks : 70

Note : Choose the most appropriate answer. Answer
all question in this section.

PART - A

1. Choose the most appropriate answer. **1x10=10**
- (a) The test used to assess cause of chest pain
in a patient in ICU is _____.
- (i) ECG
(ii) ABG
(iii) Haemoglobin
- (b) All are safety features of a high pressure
system except :
- (i) Pinindex system
(ii) Pipeline color coded
(iii) Pressure reducing valve
(iv) Cylinders color coded

- (c) The normal inspiratory to expiratory time (ratio) set in a ventilator in adults is :
- (i) 1 : 2
 - (ii) 1 : 3
 - (iii) 1 : 4
- (d) Heart rate in ventricular fibrillation is :
- (i) less than 60/min
 - (ii) more than 200/min
 - (iii) no pulse
- (e) The first device to be put on a patient when he is taken in the operating room is :
- (i) Pulse oximeter
 - (ii) Capnograph
 - (iii) ECG
 - (iv) Noninvasive blood pressure
- (f) Goldman vaporizer is a small and simple apparatus used mainly for which inhalational agent :
- (i) Halothane
 - (ii) Sevoflurane
 - (iii) Isoflurane
- (g) International color coding for 20G cannula is :
- (i) Pink
 - (ii) Green
 - (iii) Grey

- (h) Which of the following intravenous fluids is a colloid ?
- (i) Hetastarch
 - (ii) Ringerlactate
 - (iii) Dextrosaline
- (i) "Black eye" is seen after :
- (i) Fracture ribs
 - (ii) Fracture humerus
 - (iii) Fracture skull bones
- (j) Diagonal artery is a branch of :
- (i) PDA
 - (ii) Circumflex
 - (iii) LAD
 - (iv) OM

2. Fill in the blanks :

1x10=10

- (a) The expanded form of ARDS is _____.
- (b) When we give PEEP, the blood pressure _____.
- (c) Most effective treatment for Atrial fibrillation is _____.
- (d) Calcium channel blocker used commonly for treatment of arrhythmias is _____.
- (e) Capillary refill time is an assessment of _____ parameter of blood.

- (f) _____ is known as the universal donor group.
- (g) Fracture ribs causes pain _____.
- (h) The Tectype vaporiser used for Desflurane is Tec _____.
- (i) Preferred local anaesthetic for local infiltration is _____.
- (j) The type of sodalime used in anaesthesia machine is of _____ variety.

PART - B

Answer *any six* of the following. Each carries 5 marks.

5x6=30

3. What steps will you take to ensure aseptic conditions in an ICU ?
4. What are the indications for putting a patient on mechanical ventilation ?
5. Describe the ACLS Algorithm.
6. Write Aseptic steps to perform a tracheal suction.
7. Write important monitoring steps during anaesthesia.
8. What drug advice is given during a Pre-anaesthetic check-up ?
9. Explain the Management of ventricular tachycardia.
10. Write about Adult BLS Algorithm.
11. Triangings Trimodal distribution of trauma patient.

PART - C

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

12. Describe in detail how you will manage a patient of cardiac arrest in the ICU ?

 13. Explain the management of a case of ventricular fibrillation.

 14. How will you manage a case of hip injury admitted in the ICU ?
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