

00041 B.Sc. IN ANAESTHESIA AND CRITICAL CARE  
TECHNOLOGY (BACT)

Term-End Examination

December, 2015

**BAHI-073 : ESSENTIAL OF ANAESTHESIOLOGY**

*Time : 3 Hours*

*Maximum Marks : 70*

*Note : Attempt any seven questions. Q. No. 8 is compulsory.*

1. Write an essay on Day care anaesthesia. 10
2. Setting up a difficult airway cart. 10
3. Causes and management of hypothermia. 10
4. Rapid sequence induction. 10
5. Invasive blood pressure monitoring - indications, equipment needed and complications of arterial cannulation. 10
6. What is plethysmograph ? What are the causes of abnormal plethysmograph ? What are the ways to improve the graph. 10
7. Describe the procedure for endotracheal suctioning. 10

8. Choose the most appropriate answer : 10x1=10

- (a) QRS complex on ECG shows :
  - (i) Ventricular contraction.
  - (ii) Atrial contraction.
  - (iii) Atrio Ventricular conduction.
- (b) Percentage of oxygen in air is \_\_\_\_\_.
  - (i) 16 %
  - (ii) 30 %
  - (iii) 21 %
- (c) \_\_\_\_\_ is used to treat hypotension during regional anaesthesia.
  - (i) Glyceryl trinitrate
  - (ii) Esmolol
  - (iii) Ephedrine
- (d) Opioid over dosage can be treated with :
  - (i) Lignocaine
  - (ii) Naloxone
  - (iii) Midazolam
- (e) IV induction agent of choice in hypovolaemic shock is :
  - (i) Ketamine
  - (ii) thiopentone
  - (iii) propofol
- (f) Normal arterial carbondioxide ( $\text{PaCO}_2$ )
  - (i) 45 - 60 mmHg
  - (ii) 25 - 30 mmHg
  - (iii) 35 - 45 mmHg
- (g) Temperature recorded is highest when taken from :
  - (i) Rectum
  - (ii) Axilla
  - (iii) Oral cavity

- (h) Local anaesthetic used for subarachnoid block is :
- (i) Hypobaric
  - (ii) Hyperbaric
  - (iii) Isobaric
- (i) Essential drug to treat bradycardia is \_\_\_\_\_ .
- (i) Succinyl choline
  - (ii) Atropine
  - (iii) Ephedrine
- (j) Hypothermia \_\_\_\_\_ .
- (i) Increases oxygen demand
  - (ii) Reduces oxygen demand
  - (iii) None of the above
- \_\_\_\_\_