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

**Term-End Examination**

**June, 2015**

**BAHI-073 : ESSENTIAL OF ANAESTHESIOLOGY**

*Time : 3 Hours*

*Maximum Marks : 70*

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- Note :** (i) *Attempt all questions from Part A and B.*  
(ii) *Attempt any five questions from Part C.*
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**PART - A**

1. Choose the most appropriate answer : **10x1=10**
- (a) Normal body temperature in adult is :
- (i) 38.5°C
  - (ii) 37°C
  - (iii) 35.5°C
- (b) Causes of hypothermia in O.T :
- (i) Prolonged surgery
  - (ii) Hypothyroidism
  - (iii) Both of the above
- (c) While taking BP the appearance of Korot koff's sound denotes :
- (i) Systolic BP
  - (ii) Diastolic BP
  - (iii) Mean arterial pressure

- (d) QRS complex in ECG shows :
  - (i) Atrial contraction
  - (ii) Ventricular contraction
  - (iii) Ventricular relaxation
- (e) Mallampati IV is :
  - (i) Normal airway
  - (ii) Not very difficult airway
  - (iii) Very difficult airway
- (f) Small BP cuff than the required, if used will give :
  - (i) falsely high reading
  - (ii) falsely low reading
  - (iii) Accurate reading
- (g) Before arterial cannulation for measuring invasive BP monitoring, the test commonly done is :
  - (i) Collins test
  - (ii) Allen's test
  - (iii) Suidler's test
- (h) The pace maker of the heart is :
  - (i) AV node
  - (ii) Bundle of His
  - (iii) SA node
- (i) Muscle relaxant of choice in full stomach is :
  - (i) Vecuronium
  - (ii) Atracurium
  - (iii) Rocuronium
- (j) The drug used in the treatment of angina is :
  - (i) Nitroglycerin
  - (ii) Nitroprusside
  - (iii) Nitric oxide

## PART - B

2. Fill in the blanks : 10x1=10

- (a) The term 'anaesthesia' which means sleep was coined by the Greek philosopher \_\_\_\_\_ .
- (b) 90%  $S_pO_2$  corresponds to  $PaO_2$  of \_\_\_\_\_ mm of Hg.
- (c) Drug used with neostigmine to counteract the side effect is \_\_\_\_\_ or \_\_\_\_\_ .
- (d) While taking invasive BP the transducer is positioned at the \_\_\_\_\_ level.
- (e) 2% lignocaine contains \_\_\_\_\_ mg / ml.
- (f) ASA class IE means normal patient coming for \_\_\_\_\_ surgery.
- (g) Cricoid pressure given in "full stomach" patient is also called \_\_\_\_\_ manoeuvre.
- (h) For day care surgery patient should be ASA \_\_\_\_\_ or \_\_\_\_\_.
- (i) Sodium Nitroprusside is given via \_\_\_\_\_ pump.
- (j) The expanded form of ABG is \_\_\_\_\_ .

## PART - C

Answer any five of the following : 5x10=50

- 3. Draw and label the sites of checking pulse in the body. 10
- 4. What are the uses and the factors affecting pulse oximetry ? 10

5. What are the aims of pre-anaesthetic check up ? 10  
Describe ASA classification.
6. Write short notes on following : 5+5=10  
(a) Rapid sequence induction  
(b) Confirmation of endotracheal tube placement
7. Write an essay on post operative recovery room care. 10
8. Write the guidelines for conducting hypotensive anaesthesia. What are the problems ? 10
9. Write short notes on following : 5+5=10  
(a) Mallampati Airway assessment  
(b) Fibre optic intubation
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