

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

**Term-End Examination**  
**June, 2014**

**BAHI-077 : REGIONAL ANAESTHESIA**

*Time : 3 hours*

*Maximum Marks : 70*

**PART - A**

1. Choose the most appropriate answer : **10x1=10**
- (a) Contraindication to neuraxial blockade is :
    - (i) Patient refusal
    - (ii) Severe hypovolemia
    - (iii) Both the above.
  - (b) Straight epidural needle without curved tip is :
    - (i) Crawford needle
    - (ii) Tuohy needle
    - (iii) Sprotte needle
  - (c) The more neurotoxic local anaesthetic is :
    - (i) Bupivacaine
    - (ii) Lignocaine
    - (iii) Ropivacaine
  - (d) The factor which affect the level of subarachnoid block is :
    - (i) Baricity of anaesthetic solution
    - (ii) Age of the patient
    - (iii) Both the above

- (e) Dextrose is added to Bupivacaine to make it :
  - (i) Hypobaric
  - (ii) Isobaric
  - (iii) Hyperbaric
- (f) The number of cervical vertebrae in the human spine is :
  - (i) eight
  - (ii) seven
  - (iii) twelve
- (g) \_\_\_\_\_ demonstrated the use of topical cocaine analgesia which became a milestone in the history of local anaesthetics.
  - (i) Carl Koller
  - (ii) Richard Hall
  - (iii) August Bier
- (h) Ankle block is used for blocking :
  - (i) Saphenous nerve
  - (ii) Obturator nerve
  - (iii) Both the above
- (i) The local anaesthetic used for Bier's block is :
  - (i) Lignocaine
  - (ii) Lignocaine with Adrenaline
  - (iii) Bupivacaine
- (j) The line which joins the highest points of iliac crest corresponds to :
  - (i) L<sub>3</sub> - L<sub>4</sub>
  - (ii) L<sub>4</sub> - L<sub>5</sub>
  - (iii) L<sub>2</sub> - L<sub>3</sub>

2. Fill in the blanks : 10x1=10

- (a) Name of pencil point spinal needle is \_\_\_\_\_.
- (b) Epidural blood patch is used in case of \_\_\_\_\_.

- (c) The innermost layer of meninges is called \_\_\_\_\_.
- (d) Bromage scale is used to assess \_\_\_\_\_.
- (e) \_\_\_\_\_ block is useful for unilateral procedures on the neck.
- (f) Example for an amide linked local anaesthetic is \_\_\_\_\_.
- (g) Epidural space is between the duramatter and \_\_\_\_\_.
- (h) Saddle block is given in the \_\_\_\_\_ position.
- (i) Local anaesthetic with Adrenaline is not used in Digital nerve block because it causes \_\_\_\_\_.
- (j) The purpose of adding Adrenaline to local anaesthetic is \_\_\_\_\_.

### **PART - B**

Describe **any five** of the following. Each carries **10 marks** : **5x10=50**

- 3. Classify local anaesthetics. Explain lignocaine toxicity.
- 4. Write short notes on :
  - (a) Brachial plexus block
  - (b) Sciatic nerve block
- 5. What are the complications of epidural block ?
- 6. Write short notes on following :
  - (a) Combined spinal epidural anaesthesia
  - (b) Bier's block

7. Advantages and disadvantages of regional anaesthesia over general anaesthesia.
  8. Write briefly about :
    - (a) Saddle block
    - (b) Ankle block
  9. Describe the procedure of caudal block in a child.  
How will you set for a caudal block ?
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