

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

00564

**Term-End Examination
December, 2014**

BAHI-077 : REGIONAL ANAESTHESIA

Time : 3 hours

Maximum Marks : 70

- Note :** (i) *Attempt all the questions from Part A. It carries 20 marks.*
- (ii) *Attempt any five questions from Part B. It carries 50 marks.*

PART-A

1. Choose the most appropriate answer : **1x10=10**
- (a) August Bier gave subarachnoid block giving :
- (i) Xylocaine
 - (ii) Cocaine
 - (iii) Bupivacaine
- (b) Vasoconstrictors in regional anaesthesia :
- (i) Increases the duration and quantity of block
 - (ii) Slows down the drug absorption and toxicity
 - (iii) Both of the above
- (c) Regional anaesthesia should not be used in :
- (i) Local sepsis
 - (ii) Diabetic patient
 - (iii) Children

- (d) Following block is not adequate inguinal herniorrhaphy :
- (i) Epidural block
 - (ii) Spinal block
 - (iii) Saddle block
- (e) During caudal anaesthesia drug is administered into the :
- (i) Epidural space
 - (ii) Subarachnoid space
 - (iii) Blood vessel
- (f) Intercostal nerve blocks are useful to relieve pain associated with :
- (i) Lung surgery
 - (ii) Rib fracture
 - (iii) Heart surgery
- (g) Incidence of post dural puncture headache is least with :
- (i) 27 G spinal needle
 - (ii) 25 G spinal needle
 - (iii) 20 G spinal needle
- (h) Solution of local anaesthetic agent marked as 0.5% contains :
- (i) 0.50 mg/ml
 - (ii) 5 mg/ml
 - (iii) 50 mg/ml
- (i) Commonly used test dose drug in epidural anaesthesia is :
- (i) 2% lignocaine with adrenaline
 - (ii) 0.5% Bupivacaine
 - (iii) 2% lignocaine (plain)
- (j) In children spinal cords ends at :
- (i) L₃ level
 - (ii) S₃ level
 - (iii) L₂ level

2. Fill in the blanks. 1x10=10
- (a) Tips of the scapulae corresponds to _____ space.
 - (b) The name of the pencil point spinal needle is _____ .
 - (c) Lower spinal nerve roots are called _____ .
 - (d) Bromage scale is used for testing _____ .
 - (e) The number of vertebrae in the body is _____ .
 - (f) Epidural space has _____ pressure.
 - (g) Minimum safe dose of Bupivacaine is _____ mg/kg.
 - (h) In digital and penile block _____ is avoided with local anaesthetic.
 - (i) _____ needle is used for epidural block.
 - (j) Drug used for intravenous regional anaesthesia (IVRA) is _____ .

PART - B

Answer any five of the following. 5x10=50

- 3. What are the indications and contraindications of Neuraxial block ? 10
- 4. Draw the anatomy of the sacral bone and describe the caudal block in a child. 10
- 5. How will you position the patient for a spinal block ? Describe the procedure. 10

6. What are the complications of epidural block ? 10
How will you treat them ?
7. Describe the supraclavicular method of brachial 10
plexus block. What are the complications ?
8. Write short notes on : 10
(a) Local anaesthetics
(b) Epidural Catheter
9. Describe the procedure of Intravenous Regional 10
anaesthesia (Bier's Block) for upper limb.
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