

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

**Term-End Examination**

**December, 2011**

**BAHI-077 : REGIONAL ANAESTHESIA**

*Time : 3 hours*

*Maximum Marks : 70*

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**PART - A**

1. Choose the most appropriate answer : **1x10=10**
- (a) Bier's block is :
- (i) Sub arachnoid block
  - (ii) Peripheral nerve block
  - (iii) Intravenous regional block
- (b) Regional anaesthesia should not be used in the following cases :
- (i) local sepsis
  - (ii) Diabetic patient
  - (iii) Children
- (c) Ideal level of block for a caesarian section is :
- (i) T<sub>12</sub>
  - (ii) T<sub>10</sub>
  - (iii) T<sub>6</sub>

- (d) During caudal anaesthesia, drug is administered into :
- (i) Epidural space
  - (ii) Subarachnoid space
  - (iii) Blood vessel
- (e) Adult spinal cord ends at :
- (i) Lower border of L<sub>5</sub>
  - (ii) Lower border of L<sub>1</sub>
  - (iii) Lower border of L<sub>3</sub>
- (f) Solution of local anaesthetic agent marked as 0.5 % contains :
- (i) 0.50 mg/ml
  - (ii) 5 mg/ml
  - (iii) 50 mg/ml
- (g) The most prominent vertebra in the spine :
- (i) C<sub>2</sub>
  - (ii) C<sub>7</sub>
  - (iii) T<sub>10</sub>
- (h) Pressure in the epidural space is :
- (i) negative
  - (ii) positive
  - (iii) neutral
- (i) Incidence of post dural puncture headache is least with :
- (i) 20 G needle
  - (ii) 27 G needle
  - (iii) 25 G needle

- (j) Drug used to treat bradycardia following special anaesthesia :
- (i) atropine
  - (ii) ephedrine
  - (iii) Mephenteramine

2. Fill in the blanks.

1x10=10

- (a) Tip of the scapula corresponds to \_\_\_\_\_ space.
- (b) Motor block after regional central neurodial block is tested using \_\_\_\_\_ scale.
- (c) Sub arachnoid space ends at \_\_\_\_\_ level in children.
- (d) Ropivacaine is a nerve \_\_\_\_\_ .
- (e) Spinal set can be sterilized by \_\_\_\_\_ .
- (f) The sharp end needle used for special anaesthesia is called \_\_\_\_\_ .
- (g) Post dural puncture headache is due to \_\_\_\_\_ leak from the subarachnoid space.
- (h) \_\_\_\_\_ is given in the sitting up position.
- (i) Epidural space is widest at \_\_\_\_\_ level.
- (j) In caudal anaesthesia the needle has to pierce the \_\_\_\_\_ to enter the caudal space.

## PART - B

Answer *any five* of the following. Each carries  
10 marks. 10x5=50

1. Central neuraxial block versus general anaesthesia.
  2. Describe the complications and treatment of spinal block.
  3. How will you prepare a patient for giving an epidural block for labour analgesia ?
  4. Describe the supraclavicular brachial plexus block.
  5. Post Dural puncture headache
  6. Describe the anatomy of spinal cord
  7. Describe the procedure of caudal block in a child.
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