

00613

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

**Term-End Examination
June, 2012**

BAHI-077 : REGIONAL ANAESTHESIA

Time : 3 hours

Maximum Marks : 70

PART-A

1. Choose the most appropriate answer : **1x10**
- (a) Adrenaline is added to local anaesthetic to :
- (i) Increase the duration of action
 - (ii) Prevent hypotension
 - (iii) Prevent Cardiac arrest
- (b) Following block is not adequate for inguinal herniography :
- (i) Epidural block
 - (ii) Spinal block
 - (iii) Saddle block
- (c) The name of the epidural needle is :
- (i) Whitacre needle
 - (ii) Quincke's needle
 - (iii) Tuohy's needle

- (d) Bupivacaine used for spinal anaesthesia contains :
- (i) Dextrose
 - (ii) Sodium Chloride
 - (iii) Sodium Bicarbonate
- (e) Spinal cord ends in children at :
- (i) L₁
 - (ii) L₂
 - (iii) L₃
- (f) Adrenaline is used as an adjuvant in the concentrations of _____ with local anaesthetic drugs.
- (i) 1 : 200,000
 - (ii) 1 : 1000
 - (iii) 1 : 10,000
- (g) The number of vertebrae in the human spine is :
- (i) 24
 - (ii) 30
 - (iii) 33
- (h) Subarachnoid space is indentified by :
- (i) Cerebrospinal fluid
 - (ii) cutinal blood
 - (iii) Venous blood
- (i) The most common immediate complication of spinal anaesthesia is :
- (i) Headache
 - (ii) Hypertension
 - (iii) Hypotension

- (j) Safe dose of Bupivacaine for peripheral nerve block is :
- (i) 2 - 3 mg /kg
 - (ii) 5 - 7 mg/kg
 - (iii) 3 - 5 mg /kg

2. Fill in the blanks : 1x10

- (a) Line joining the highest point of iliac crest corresponds to _____ space.
- (b) Epidural set can be sterilized by _____.
- (c) Local anaesthetic commonly used for labour analgesia is _____.
- (d) The pencil point special needle is called _____.
- (e) _____ is avoided along with the local anaesthetic agent in digital and penile blocks.
- (f) Saddle block is given in the _____ position.
- (g) Epidural catheter has opening at the _____.
- (h) EMLA cream is applied at least _____ hour before the I. V. access in children.
- (i) _____ Block is useful for pain relief for fracture ribs.
- (j) Lower spinal nerve roots are called _____.

PART-B

Describe *any five* of the following. Each carries
10 marks : 10x5

3. Indications and contraindication of neurodial block.
4. Complications and treatment of epidural block.
5. Packing and sterilization of a spinal set.
6. Anatomy of sacral bone and caudal block.
7. Management of complications of hypotension after spinal anaesthesia for caesarian section.
8. Complications of brachial plexus block and their management.
9. Procedure of Intravenous Regional Anaesthesia.
