

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

**Term-End Examination      00035  
December, 2012**

**BAHI-078 : ANAESTHESIA FOR SURGICAL  
SPECIALITIES**

*Time : 3 Hours*

*Maximum Marks : 70*

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**SECTION-I**

1. Choose the most appropriate answer :      **1x10=10**
- (a) Which of the following patient is to be considered 'full stomach' ?
- (i) Intestinal obstruction
  - (ii) Elective hernia repair
  - (iii) Starvation for 6 hours
- (b) International colour coding for 16 gauge intravenous cannula :
- (i) Blue
  - (ii) Grey
  - (iii) Pink
- (c) Example of a non particulate antacid :
- (i) Magnesium trisilicate
  - (ii) Ranitidine
  - (iii) 0.3 M sodium citrate

- (d) Which of the statement regarding pregnancy is false ?
- (i) Hyper coagulable state
  - (ii) Blood pressure is high in normal pregnancy
  - (iii) Dilutional anaemia
- (e) Local anaesthetic to be avoided in digital block
- (i) Xylocaine with adrenaline
  - (ii) Ropivacaine
  - (iii) Bupivacaine
- (f) The following is a prokinetic agent used to enhance gastric emptying
- (i) Ranitidine
  - (ii) Ondansetron
  - (iii) Metoclopramide
- (g) What is 'emergency' surgery ?
- (i) A patient not fully optimized
  - (ii) A patient not on a routine list, but fully optimized
  - (iii) A patient on a routine list.
- (h) When you are replacing 500 ml of blood loss using Ringer lactate solution, how much should you give ?
- (i) 500 ml
  - (ii) 1500 ml
  - (iii) 2500 ml

- (i) Oculocardiac reflex will lead to
  - (i) Bradycardia
  - (ii) Tachycardia
  - (iii) Apnoea
- (j) Mendelson's syndrome is
  - (i) Genetic syndrome
  - (ii) Congenital heart disease
  - (iii) Acid aspiration into the lungs

## SECTION-II

2. Fill in the blanks :

1x10=10

- (a) Carbondioxide used for pneumo peritoneum is excreted out of body through \_\_\_\_\_ .
- (b) Volume of drug used for spinal anaesthesia is \_\_\_\_\_ in pregnancy.
- (c) Normal apgar score at five minutes is \_\_\_\_\_ .
- (d) Oropharyngeal pack is placed for functional endoscopic surgery (FESS) to prevent \_\_\_\_\_ of blood.
- (e) \_\_\_\_\_ muscle relaxant is avoided in open eye injuries.
- (f) Thyroid storm is a manifestation of \_\_\_\_\_ .
- (g) Position used for laparoscopic cholecystectomy is \_\_\_\_\_ .
- (h) Normal intraocular pressure (IOP) is \_\_\_\_\_ .
- (i) The part of trachea where pressure is applied during Sellick's Manoeuvre \_\_\_\_\_ .
- (j) Full form of TIVA is \_\_\_\_\_ .

### SECTION-III

Answer *any five* of the following :

10x5=50

3. (a) What is supine hypotension syndrome ?  
(b) Describe the advantages and disadvantages of general anaesthesia and regional anaesthesia in cesarean section.
  
4. 65 years old man with chronic intestinal obstruction comes for emergency laparotomy. Blood pressure is 80/60. Heart rate is 120/mt. He looks dehydrated. How will you make the theatre ready for the case ?
  
5. Write short notes on :  
(a) Use of tourniquet in orthopaedic surgery  
(b) Bone cement implantation syndrome.
  
6. (a) What is controlled hypotension ?  
(b) Describe the methods employed in reducing blood loss during tympanoplasty.
  
7. Write short notes on :  
(a) Technique of nasopharyngeal airway insertion.  
(b) Technique of Uropharyngeal airway insertion.

8. How will you help in the anaesthetic management of a one year old child for removal of a coin in the oesophagus ?
  
  9. 5 years old child comes with post tonsilectomy bleeding for surgery. How will you assist the anaesthesiologist in this case ?
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