

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

**Term-End Examination 00467
June, 2013**

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

Time : 3 Hours

Maximum Marks : 70

SECTION-I

1. Choose the most appropriate answer : **1x10=10**
- (a) Which of the following is an H₂ blocker given to reduce gastric acidity ?
- (i) Metoclopramide
 - (ii) Ondansetron
 - (iii) Ranitidine
- (b) Local anaesthetic avoided in penile block
- (i) Ropivacaine
 - (ii) Xylocaine with adrenaline
 - (iii) Bupivacaine
- (c) Which of the following statement regarding pregnancy is *true* ?
- (i) It is hypermetabolic state
 - (ii) Blood pressure is high in normal pregnancy
 - (iii) Functional residual capacity (FRC) is high

- (d) International colour coding of 20 gauge intravenous cannula :
- (i) Blue
 - (ii) Yellow
 - (iii) Pink
- (e) Which of the following is *not* considered 'full stomach' ?
- (i) Patient in labour
 - (ii) NPO for 6 hours in elective surgery
 - (iii) Intestinal obstruction
- (f) The local anaesthetic used for intravenous regional anaesthesia (Biers block)
- (i) Xylocaine
 - (ii) Xylocaine with adrenaline
 - (iii) Bupivacaine
- (g) What is an 'Urgent' surgery ?
- (i) A patient on a routine list
 - (ii) A patient not on a routine list, but fully optimized
 - (iii) A patient not fully optimized
- (h) Level of anaesthesia required for cesarean section when regional anaesthesia is given
- (i) T6
 - (ii) T8
 - (iii) T10

- (i) 'Entonox' used for labour analgesia is
 - (i) 33% oxygen and 66% nitrous oxide
 - (ii) 50% oxygen and 50% nitrous oxide
 - (iii) 50% oxygen and sevoflurane
- (j) The treatment of ocular cardiac reflex is
 - (i) Remove traction on the eye ball
 - (ii) Give atropine
 - (iii) Both the above

SECTION-II

2. Fill in the blanks : 1x10=10

- (a) Hyperbaric local anaesthetic is used for _____ block.
- (b) _____ muscle relaxant is avoided in paraplegia.
- (c) Position used for laparoscopic appendectomy is _____
- (d) The electrolyte abnormality commonly seen in renal failure _____
- (e) Stridor in thyroidectomy can be associated with _____ calcium level
- (f) _____ is used to prevent supine hypotension syndrome
- (g) The gas used to create pneumo peritoneum in laparoscopic surgeries is _____
- (h) Minute ventilation is product of respiratory rate and _____
- (i) Low oxygen concentration in blood is _____
- (j) Induction agent associated with hallucination _____

SECTION-III

3. Answer *any five* of the following. 10x5=50

- (a) 28 year old lady comes for laparotomy, for liver injury. Patient is in shock. List the problems you would encounter in this patient. How do you assist the anaesthesiologist in this case ?
- (b) What are the various steps taken to prevent aspiration in a 'full stomach' patient ?
- (c) How will you get the theatre prepared and assist for bronchoscopy for removal of foreign body in a 4 year old child ?
- (d) How will you assist in conducting general anaesthesia for emergency cesarean sector for cord prolapse ?
- (e) Write short notes on :
 - (i) Peripheral venous cannulation
 - (ii) Endotracheal sectioning
- (f) What are the components of an 'emergency cart' ? How would you set up a 'crash cart' in the post operative room ?
- (g) Write short notes on :
 - (i) Occulo cardiac reflex
 - (ii) Anaesthesia for dilatation and curettage (D and C)