

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

Term-End Examination

June, 2013

BAHI-072 : ANAESTHESIA EQUIPMENT

Time : 3 Hours

Maximum Marks : 70

PART - A

1. Fill in the blanks. 1x10=10
- (a) The hole near the tip of the endotracheal tube is called _____
 - (b) Gold man vaporizer is mainly used for _____
 - (c) As oxygen is used the cylinder pressure _____
 - (d) Nitrous oxide is stored in the cylinder in _____ form.
 - (e) _____ added to soda lime to make it hard.
 - (f) _____ tube is preferred in cleft palate repair.
 - (g) The colour code for sevoflurane vaporizer is _____
 - (h) In Magill circuit the expiratory valve is at the _____ end.
 - (i) Anaesthesia machine has _____ type of oxygen cylinder
 - (j) Type of endotracheal tube used for one lung ventilation is _____

2. State whether the following statements are *true* or *false*. 1x10=10
- (a) Bobbin the flowmeter shows the pressure of the gas
 - (b) In Bains circuit fresh gas flows through the outer tube
 - (c) Rendall Baker mask has a low dead space
 - (d) Caphography shows high reading in hyperventilation
 - (e) The Ayre's T piece increases the air pollution
 - (f) Yellow colour filler is used for sevoflurane
 - (g) Double human tube is used for heart surgery
 - (h) The mark at the teeth level at which an endotracheal tube is fixed in an adult male is 30 cm.
 - (i) Interlock system between two vaporizers is used so that two vaporizers are not used at the same time.
 - (j) 95% of sodium-lime is calcium hydroxide

PART B

Answer *any three* questions.

10x3=30

3. Draw Ayre's T piece with J.R.M what are its advantages and disadvantages ?
4. What is L.M.A ? Draw a diagram of L.M.A. Describe the different types and their uses.
5. How will you conduct various checking on the anaesthesia machine before use ?
6. With the help of a diagram explain the parts of the oxygen cylinder.
7. What equipment will you keep ready for intubating an adult for laparotomy ?

PART C

8. Write short notes on *any five* of the following : 4x5=20
- (a) R.A.E Tube
 - (b) Oropharyngeal Air Way
 - (c) Ambur Bag
 - (d) Pulse Oximeter
 - (e) Pin Index
 - (f) Bains Circuit
 - (g) Checking and positioning endotracheal tube
 - (h) Tracheostomy tube
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