

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY  
SECOND YEAR**

**PAPER III – PRINCIPLES OF ANESTHESIA**

*Q.P. Code: 841113*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Safety features in Boyle's machine.
2. What is circle system? Describe the components and agents used in circle system.
3. What is a vaporizer? Write briefly about various vaporizing agents.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Desflurane.
2. Central venous pressure monitoring.
3. Various medical gas cylinders and its pin index system.
4. Endo tracheal tube-method of checking and fixation.
5. Bain's circuit.
6. Basic structure of face mask.
7. What is RAE endo tracheal tube and its use?
8. Pulse oximeter.
9. Capnography.
10. Hanger-yoke assembly.

**III. Short answers on:**

**(10 x 2 = 20)**

1. What is flexo metallic endo tracheal tube?
2. What is Hydroxy ethyl starch?
3. What is intubating bougie?
4. ECG electrode placement sites.
5. What is flow metre?
6. Pressure regulator.
7. What is reservoir bag?
8. Ringer's lactate.
9. What is normal oxygen saturation value?
10. What is venti mask?