

[LB 145]

OCTOBER 2012

Sub. Code: 2040

**M.D. DEGREE EXAMINATION
BRANCH X – ANAESTHESIOLOGY
APPLIED BASIC SCIENCES RELATED TO ANAESTHESIA
INCLUDING PHYSICS IN ANAESTHESIA, HISTORY OF ANAESTHESIA
Q.P. Code : 202040**

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Describe portal circulation. Discuss patho-physiology of cirrhosis of liver.	16	35	15
2. Write a note on anatomy of coronary arteries. Discuss the pharmacological management of Ischemic Heart Disease.	16	35	15

II. Write notes on :

1. Enumerate Antihypertensives and discuss the peri operative use of antihypertensives ?	4	10	7
2. What are the methods of Airway assessment?	4	10	7
3. Describe Low flow technique.	4	10	7
4. What is Temperature compensation in vaporizers?	4	10	7
5. Discuss the uses of Hydroxy ethyl starch.	4	10	7
6. What is D-Tubocurarine? Why is it not being used in present day practice ?	4	10	7
7. Patho physiology of Halothane Hepatitis.	4	10	7
8. What is Hypoxic pulmonary vasoconstriction and its role in anesthesia?	4	10	7
9. Discuss the uses of Mannitol.	4	10	7
10. How do you measure Peak Expiratory Flow Rate ? What is its importance?	4	10	7
