H.P.A.S. (Main)—2011

MEDICAL SCIENCE—I

Time : 3 Hours

Maximum Marks : 150

Note :— Attempt any five questions including Question No. 1 which is compulsory.

1. Describe anatomy of mediastinum. Discuss clinical features, diagnosis and treatment of superior mediastinal syndrome: 6+8+8+8=30

2. Describe lung mechanics in a healthy and a diseased person. Discuss cardiopulmonary responses to exercise in health and disease. 8+7+8+7=30

P.T.O.
3. Discuss etiologic factors, clinical features, diagnosis and treatment of oesophageal cancer.

4. Describe iron metabolism. Discuss clinical features, diagnosis and treatment of iron deficiency anaemia.

5. Write notes on:

(a) M/XDR-TB

(b) Diagnosis of tuberculosis

(c) Follow up of a patient on antiretroviral drugs.

6. Write notes on:

(a) Vitamin D in health and disease

(b) Treatment of diabetic ketoacidosis
3. Discuss etiologic factors, clinical features, diagnosis and treatment of oesophageal cancer. 

4. Describe iron metabolism. Discuss clinical features, diagnosis and treatment of iron deficiency anaemia.

5. Write notes on :

   (a) M/XDR-TB
   (b) Diagnosis of tuberculosis
   (c) Follow up of a patient on antiretroviral drugs.

6. Write notes on :

   (a) Vitamin D in health and disease
   (b) Treatment of diabetic ketoacidosis
(b) Excessive day time sleepiness

c) Incretins

d) Modifiable risk factors of coronary artery disease

e) Cardiac diastolic dysfunction.