

This question paper contains 4 printed pages]

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.  $8+7+7+8=30$
4. Describe iron metabolism. Discuss clinical features, diagnosis and treatment of iron deficiency anaemia.  $9+7+7+7=30$
5. Write notes on :  $10+10+10=30$
- (a) M/XDR-TB
  - (b) Diagnosis of tuberculosis
  - (c) Follow up of a patient on antiretroviral drugs.
6. Write notes on :  $6 \times 5 = 30$
- (a) Vitamin D in health and disease
  - (b) Treatment of diabetic ketoacidosis

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  - (b) Treatment of diabetic ketoacidosis

- (b) Excessive day time sleepiness
- (c) Incretins
- (d) Modifiable risk factors of coronary artery disease
- (e) Cardiac diastolic dysfunction.