

2006

MEDICAL SCIENCE

FIRST PAPER

Full Marks : 200

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Describe with diagram the innervations of stomach and discuss the physiological basis of different operations for duodenal ulcer. 20
2. Describe the anatomy of the head of the pancreas with its microanatomy and discuss the role of pancreatic enzymes in digestion of food. 20
3. Discuss the different phases of menstrual cycle in relation to the ovarian changes. 20
4. (a) Give a brief note on the metabolism of alcohol in the body. 10
(b) Give an account on the acid-based balance on the body by the lung. 10
5. Write short notes on (any four) : 5×4=20
 - (a) Scurvy
 - (b) Methyl alcohol poisoning

- (c) Antianginal drugs
(d) Botulism
(e) IMR
5. Classify the fractures of bone. Discuss the complications of fractures of long bones. 20
7. Write in brief : 10×2=20
(a) Synthesis of DNA in human body
(b) Liver function test
8. Describe the aetiopathology, clinical features, diagnosis and treatment of pulmonary tuberculosis. Discuss the strategy for prevention of tuberculosis. 20
9. Write short notes on (any four) : 5×4=20
(a) Medical certificate
(b) Laboratory tests for AIDS
(c) Janani Suraksha Yojana
(d) Endemic fluorosis
(e) Neonatal tetanus
10. Enumerate the 'antimalarial drugs'. Discuss the therapeutic uses and adverse reaction of chloroquine.
