



[This question paper contains 02 printed pages]

Roll Number: _____

HPAS Etc. Combined Competitive (Main) Examination, 2019

Medical Science-I

Time Allowed: 3 Hours

Maximum Marks: 100

Note:

1. This question paper contains total eight questions.
 2. *Attempt any five questions including compulsory question No.1.*
 3. Each question carries equal marks. Marks are divided and indicated against each part of the question. Write answer in legible handwriting. Each part of the question must be answered in sequence and in the same continuation.
 4. Attempts of questions shall be counted in sequential order. Unless struck off, attempt of question shall be counted even if attempted partly. Any page or portion of the page left blank in answer book must be clearly struck off.
 5. *Re-evaluation / Re-checking of answer book is not allowed.*
-

1. (a) Define infectious diseases. What are the various etiological factors, mode of spread? What are the community measures to control spread in a particular community / geographical area? (10)
(b) What are the various laws enacted by the government of India to prevent the spread of infectious disease and in the event of spread, discuss the provisions of one of these important acts. (10)
2. (a) Discuss the surgical anatomy of liver. (10)
(b) What are the boundaries and content of inguinal canal? Discuss mechanism of prevention of inguinal hernia. (10)
3. (a) Classify oral hypoglycemic agents? Discuss adverse effects of metformin. (10)
(b) What are the various laws enacted by the government of India to prevent the spread of infectious disease and in the event of spread, discuss the provisions of one of these important acts. (10)
4. (a) Explain entero-hepatic circulation. Write a note on megaloblastic anemia. (10)
(b) What is generalized lymphadenopathy? Add a note on Epstein Barr virus (EBV). (10)
5. (a) What is drug induced diarrhoea? Discuss management of same. (10)
(b) What is a nosocomial infection? Discuss strategies to prevent nosocomial infections. (10)

6. (a) Discuss clinical features, mechanism, investigation and management of a patient with acid and alkali ingestion. (10)
- (b) Describe the types of road traffic injury and provisions in the Indian law to deal with Road Traffic Injury (RTI). (10)
7. (a) What are essential amino acids? Write a note on plasmapheresis. (10)
- (b) Write a note on clinical feature and pathologic stages of pneumonia. (10)
8. (a) Discuss various indications of autopsy. What is virtual autopsy? (10)
- (b) Define rape as per Indian law. Write a note on medical examination of a rape victim and accused. (10)
