

CSM : 22

MEDICAL SCIENCE

PAPER - I

Time Allowed : 3 hours

Full Marks : 100

Marks for each question is indicated against it.

Attempt any 5 (five) questions taking not more than 3 (three) questions from each Part.

PART - A

1. What are the causes of acute hepatitis? Discuss the natural history and clinical manifestations of Chronic Hepatitis-C infection. What are the direct acting antiviral agents for hepatitis-C infection?
(5+10+5=20)
2. What are different classes of drugs used in the treatment of hypertension? Enumerate the causes of secondary hypertension. Enumerate the various anti-hypertensive drugs based on their mechanism of action.
(10+5+5=20)
3. Write in detail about the clinical features and management of Stevens-Johnson Syndrome.
(10+10=20)
4. Define Ultrasound. Who is the father of medical Ultrasound? Who can perform Ultrasound in India as per PCPNDT Act? What are the units or measurement used to determine the capacity of CT Scan and MRI machines?
(4+2+4+10=20)

PART - B

5. Define Kernicterus. Write the pathogenesis, clinical features, prevention and management of Kernicterus.
(2+6+4+4+4=20)
6. Define Inflammation. Mention the causes, signs and types of Inflammation. Write in short the fate of *Acute inflammation*.
(2+4+4+4+6=20)
7. Name the organisms causing tuberculosis. Which one these is responsible for the disease in human? What are the factors that determine transmission of tuberculosis in human? Give a brief description on pathogenesis of tuberculosis.
(6+6+8=20)
8. Define cardiac output and how it is expressed. What are the factors affecting cardiac output? Explain the relationship between cardiac output and blood pressure. Describe mechanism of regulation of cardiac output.
(4+4+6+6=20)

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