

MEDICAL SCIENCE
(Paper II)

Time Allowed : Three Hours

Maximum Marks : 300

QUESTION PAPER SPECIFIC INSTRUCTIONS

(Please read each of the following instructions carefully before attempting questions)

There are EIGHT questions divided in two Sections.

Candidate has to attempt FIVE questions in all.

Question Nos. 1 and 5 are compulsory and out of the remaining, any THREE are to be attempted choosing at least ONE question from each Section.

The number of marks carried by a question/part is indicated against it.

Wherever any assumptions are made for answering a question, they must be clearly indicated.

Word limit in questions, wherever specified, should be adhered to.

SECTION 'A'

1. Answer any three of the following: **20×3=60**
- (a) Define metabolic syndrome. Mention the names of diseases which individuals with metabolic syndrome are susceptible to. Indicate the measures to overcome this problem.
- (b) A 12 year old child has been brought to emergency with high fever of 2 weeks duration, abdominal discomfort and bleeding per rectum. Indicate the differential diagnosis and list of investigations.
- (c) Name important causes of CHF in a child. How would you investigate a child with systolic murmur at apex.
- (d) Classify Hansen's disease. Mention salient features of tuberculoid and lepromatous leprosy. How would you treat multi drug resistant leprosy?
2. (a) Mention the diseases caused by chronic smoking. A 60 year old male, a chronic smoker develops severe cough, dyspnoea and swelling in feet. Name the differential diagnosis and approach to this case. **20**
- (b) A 30 year old female has been brought in an unconscious state with pin point pupil. Discuss the differential diagnosis of this case. How would you proceed to achieve the correct diagnosis? **20**
- (c) A 50 year old chronic alcoholic truck driver has developed severe haematemesis. Indicate the diagnostic possibilities. How would you manage this case? **20**
3. (a) An 8 year old child was brought with acute onset dyspnoea and found to have continuous murmur in left parasternal region. Discuss the differential diagnosis of this child. Name few important investigations. **20**
- (b) A 6 year old boy has come to paediatric emergency with high fever, bleeding gums, epistaxis and rashes over the leg. Discuss the probable diagnosis and management. **20**
- (c) Mention five characteristic facies observed in a child, describe facies of a child born from an untreated hypothyroid mother. What drug you will prescribe to this child? **20**
4. (a) Mention common dermatological lesions associated with AIDS? **20**
- (b) Enumerate various skin complications of diabetes. What is diabetic foot? Briefly mention its pathophysiology. **20**
- (c) Mention cutaneous manifestations of tuberculosis. Describe lupus vulgaris. **20**

SECTION 'B'

5. Answer any three of the following:
- (a) Write short notes on:
 - (a)(i) Perinephric Abscess 10
 - (a)(ii) Colles Fracture 10
 - (b) A 14 year old girl presents with pain in the right iliac fossa with vomiting. What is the differential diagnosis? How will you reach the diagnosis and treat her? Describe the steps of appendicectomy. 20
 - (c) Write short note on Partographic management of labour. 20
 - (d) What are the signs and symptoms of Lathyrism? Discuss them very briefly. 20
6. (a) How will you investigate a case of Solitary Thyroid Nodule? outline the differential diagnosis and the plan of management. 20
- (b) What are the causes of liver abscess? Discuss their clinical presentation. How will you investigate and manage them? 20
- (c) Describe the clinical features of ulcerative colitis. Enumerate its complications and outline the plan of management. 20
7. (a) How would you manage a case of bleeding pervaginum with pain abdomen at 8 weeks of gestation? 20
- (b) Describe the causes of anaemia in pregnancy. How would you manage a case of Dimorphic anaemia in Pregnancy. 20
- (c) Write short note on merits and demerits of Hormonal Contraception. 20
8. (a) List the salient reasons for resurgence of Malaria: 30
- (b) Discuss the diagnosis and treatment of Malignant Malaria. 20