

2011  
**MEDICAL SCIENCE (Optional)**  
**Paper : II**

**540031**

Standard : Degree

Total Marks : 200

Nature : Conventional (Essay) type

Duration : Three hours

**N.B. :**

- 1) Answers must be written in **English** only.
- 2) Question No. 1 is **compulsory**. Of the remaining questions, attempt **any Four** selecting one question from **each Section**.
- 3) Figures to the **RIGHT** indicate marks of the respective question.
- 4) Number of optional questions upto the prescribed number in the order in which they have been solved will only be assessed. Excess answers will not be assessed.
- 5) Credit will be given for orderly, concise and effective writing.
- 6) Candidates should not write roll number, any name (including their own), signature, address or any indication of their identity anywhere inside the answer book otherwise he/she will be penalised.



**Marks**

1. Answer **any four** of the following (10 marks each) :

- |   |    |
|---|----|
| (a) Describe aetiology, clinical features, investigations and treatment of subacute combined degeneration of spinal cord. | 10 |
| (b) Give etiology, types, clinical features, investigations and treatment of a case of carcinoma breast.                  | 10 |
| (c) i) Cervical lymphadenitis.  | 5  |
| ii) Umbilical hernia.   | 5  |
| (d) * How will you diagnose pregnancy ?   | 5  |
| * What are the causes of bleeding in first trimester ?  | 5  |
| (e) a) Define "Millennium Development Goals" (MDG's)  | 4  |
| b) Enumerate health related MDG's.  | 6  |

**P.T.O.**

## SECTION – A

**180042**

2. Answer the following sub-questions :

- (a) Write short notes on :
- i) Clinical features of hypothyroidism. 5
  - ii) Clinical features and prevention of Rabies. 5
- (b) Write short notes on :
- i) Rheumatic fever prophylaxis. 5
  - ii) Management of Acute severe asthma. 5
- (c) Delivery room care of a Newborn. 10
- (d) Answer the following :
- 1) What are the indications and contraindications of ECT ? 5
  - 2) Classify anti-depressants. 5

3. Answer the following sub-questions :

- (a) Write short notes on :
- i) Complications of liver cirrhosis. 5
  - ii) Anemia of chronic disease. 5
- (b) Write short notes on :
- i) Clinical features of acute pulmonary embolism. 5
  - ii) Clinical features of infective endocarditis. 5
- (c) Oral polio vaccine. 10
- (d) Answer the following :
- 1) Opioid withdrawal. 5
  - 2) Prognosis of schizophrenia. 5

## SECTION – B

4. Answer the following sub-questions :

- (a) i) Infiltration anaesthesia. 5
- ii) Intravenous pyelography. 5
- (b) What is Colle's fracture ? Give etiology, clinical features, investigations and management of a case of Colle's fracture. 10

(c) What are different types of conjunctivitis ? Give etiology, clinical features, investigation and treatment of viral conjunctivitis. 10

(d) i) Atrophic rhinitis. 5

ii) Otosclerosis. 5

5. Answer the following sub-questions :

(a) i) Various methods of oxygen therapy. 5

ii) Magnetic Resonance Cholangiopancreatography (MRCP). 5

(b) i) Frozen shoulder. 5

ii) Congenital Talipes Equinovarus (CTEV). 5

(c) What are different types of corneal ulcers ? Give etiology, clinical features, complications, investigations and treatment of bacterial corneal ulcers. 10

(d) What is chronic suppurative otitis media ? Give types, etiology, clinical features, investigations and treatment of chronic suppurative otitis media. 10

### SECTION – C

6. Write short answers :

(a) What are the common causes of polyhydramnios ? 3

How will you diagnose a case of polyhydramnios ? 3

How will you manage the case ? 4

(b) What is DUB ? 4

How will you manage a case of DUB at 40 yrs. of age ? 6

(c) What is pathophysiology of genital TB ? 4

How will you diagnose and treat genital TB ? 6

(d) Different methods of sterilization – Enumerate them which one is best according to you ? 10

P.T.O.

7. Short answer type questions :

- |   |    |
|---|----|
| (a) What are dangerous signs in pre-eclampsia ?<br>How will you prevent eclampsia ?                         | 10 |
| (b) How will you diagnose a case of Ca - Cx ?<br>How will you manage stage 1 disease ?                      | 10 |
| (c) What are common vaginal discharges ?<br>How will you diagnose and how will you treat each one of them ? | 10 |
| (d) How, when you will insert Cu - T ?<br>Contraindications of Cu - T.<br>Complications of Cu - T.          | 10 |

#### SECTION - D

- |   |    |
|---|----|
| 8. (a) i) Define "Health".<br>ii) Describe in brief about social dimensions in health.              | 10 |
| (b) Write in brief about epidemiology of "Coronary Heart Disease".                                  | 10 |
| (c) "Concept of Disease Prevention".  | 10 |
| (d) 1) Define "Zoonosis".<br>2) Write in detail about any zoonotic disease.                         | 10 |
| 9. (a) i) Write in brief about assessment of nutritional status.<br>ii) Social aspect of nutrition. | 10 |
| (b) Explain "RCH program including RCH - phase II".   | 10 |
| (c) National AIDS control program.  | 10 |
| (d) i) National leprosy eradication program.<br>ii) Urban leprosy control program.                  | 10 |