PAPER II

Date:16.06.2025   Time: 2 hours

Answer all the six questions.

1. A 10-year-old boy was brought to the hospital by his mother who said that the boy is not playing with friends but prefers to sleep most of the time. His educational performance was very poor. On examination he had nonpitting oedema. He had a lump in the neck. He was diagnosed to have hypothyroidism due to iodine deficiency.

    1.1.   Explain the basis of lump in the neck   (30 Marks)
    1.2.   Explain the basis of oedema in this patient   (35 Marks)
    1.3.   Give the dietary advice to prevent this condition   (35 Marks)

2. Describe the basis of the following:
    2.1.   Patients are at risk of developing headache after withdrawal   (25 Marks)
           of CSF by lumbar puncture
    2.2.   Patients suffering severe trauma sustaining multiple fractures (25 Marks)
           (without hemorrhage) will have low blood pressure
    2.3.   Patients sustaining head injury may not remember the events   (25 Marks)
           leading to the accident
    2.4.   Nurses engaging in night shift continuously and driving   (25 Marks)
           motorcycle are at risk of meeting with Road Traffic Accident

3. Explain the following:
    3.1.   Presbyopia (receding near point)   (25 Marks)
    3.2.   Conduction deafness   (25 Marks)
    3.3.   Motion sickness   (25 Marks)
    3.4.   The 'hospital smell' patients experience on admission passes   (25 Marks)
           off soon

4. Discus the role of dietary fiber in preventing the following:
    4.1.   Overeating   (30 Marks)
    4.2.   Diabetes mellitus   (35 Marks)
    4.3.   Constipation   (35 Marks)

5. Briefly explain basis of the presence of the following substances in urine:
   5.1. Hemoglobin (25 Marks)
   5.2. Albumin (25 Marks)
   5.3. Glucose (25 Marks)
   5.4. Red cells (25 Marks)

6. Explain how subfertility/contraception is caused by the following:
   6.1. Undescended testis (25 Marks)
   6.2. Mumps virus infection in childhood (25 Marks)
   6.3. Progesterone in females (25 Marks)
   6.4. IUCD in females (25 Marks)