

SS/MBBS-II/PATHO-II/12-24**2024****(December)****PATHOLOGY****Paper-II****Full Marks: 90****Time: 2 hours 50 minutes****The figures in the margin indicate full marks for the questions****Answer all questions**

Illustrate your answers with suitable diagrams and flowcharts wherever necessary.

Write the question number correctly.

Answer the questions in order.

1. Classify malignant epithelial tumours of lung. What is paraneoplastic syndrome? List the paraneoplastic syndromes associated with lung cancer. (4+1+3=8)

2. A 5-year-old boy presented with periorbital puffiness, diminished urine output, and smoky urine for 5 days. There was past history of skin infection about two weeks ago. (2+4+2=8)

(a) What is the probable diagnosis?

(b) How will you investigate the case?

(c) What are the possible outcomes?

3. Answer/Write short notes on the following:

(5×8=40)

(a) Classification of thyroid carcinoma

(b) Microvascular complications of diabetes mellitus

- (c) Choriocarcinoma
- (d) Compare and contrast between ADPKD and ARPKD.
- (e) Laboratory investigation of cerebro-spinal fluid
- (f) Risk factors and predictive markers of carcinoma of breast
- (g) Liver function tests
- (h) Guidelines for effective communication in medical practice

4. Answer in brief:**(2×9=18)**

- (a) Complications of cirrhosis
- (b) Premalignant lesions of skin
- (c) Name two causes of bilateral small contracted kidney.
- (d) Triad of Graves' disease
- (e) What is Barrett's oesophagus? Write down its complications.
- (f) What is sentinel node biopsy?
- (g) Microscopic feature of neuroblastoma
- (h) Pathogenesis of Hashimoto's thyroiditis
- (i) Name four CNS tumours.

5. Define and classify osteomyelitis. Discuss the pathophysiology and the complications of osteomyelitis. (1+2+3+2=8)

6. A 55-year-old man collapses suddenly while climbing the stairs with severe chest pain and profound sweating. (2+3+3=8)

- (a) What is the probable clinical diagnosis?
- (b) Elicit the risk factors and pathophysiology of this condition.
- (c) What are the laboratory investigations?