

PATHOLOGY**PAPER-III**

Time: 3 hours

PATH/D/20/32/III

Max. Marks:100

Important Instructions:

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. Discuss in detail the various molecular mechanisms in pathogenesis of colorectal carcinoma. 10
2. a) Recent advances in the pathogenesis of Barrett's oesophagus. 5+5
b) Hamman Rich Syndrome.
3. a) Non-seminomatous germ cell tumours of testis. 5+5
b) Prognostic factors in malignant melanoma.
4. a) Noninfectious vasculitis. 5+5
b) C-kit positive tumours.
5. a) Molecular Classification of endometrial carcinoma. 5+5
b) Role of neutrophils in atherosclerosis.
6. a) Placental site trophoblastic tumour. 5+5
b) Detection of Human Papilloma Virus in cervical biopsy tissue.
7. a) Cystic lesions of kidney. 7+3
b) Parathyroid adenoma.
8. Discuss in detail the molecular pathogenesis of triple negative breast carcinoma. Enumerate the various immunomarkers used in their diagnosis. 10
9. a) Restrictive cardiomyopathy. 5+5
b) Enteropathy associated T cell lymphoma.
10. Banff Classification of renal transplant pathology. 10
