

PATHOLOGY
PAPER-III

Time: 3 hours
Max. Marks:100

PATH/D/20/32/III

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
