

PATHOLOGY

PAPER – I

PATH/J/15/32/I

Time : 3 hours

Max. Marks : 100

Important instructions:

- 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.	a) Etiopathogenesis of Sudden Infant Death Syndrome. b) Role of angiogenesis in tumour spread. c) What are activators and inhibitors of angiogenesis?	5+3+2
2.	a) Primary Immunodeficiency Syndromes. b) Functional disorders of leukocytes.	5+5
3.	a) Pathophysiology of ageing. b) Pathogenesis of Type I diabetes mellitus.	5+5
4.	Etiopathogenesis, morphology and fate of thrombus.	4+3+3
5.	a) Circulating DNA in diagnosis of malignancies. b) Differential diagnosis of noncaseous necrotizing granulomatous diseases along with their laboratory diagnosis.	4+6
6.	a) Role of automation in cytology. b) Principle and applications of fluorescent microscope.	4+6
7.	a) Genomic Imprinting. b) Mechanism of acute renal transplant rejection.	5+5
8.	a) Clinical features and various karyotypes found in Turner's syndrome. b) Pathological effects of free radicals.	5+5
9.	a) Role of immunofluorescence in diagnosis of bullous lesions of skin. b) Investigations in a case of malabsorption syndrome.	5+5
10.	a) Pathogenesis of septic shock. b) Pathophysiology of chronic renal failure.	5+5
