

Total number of printed pages-3

34 (2) PATH & MICR 2.1

2018

PATHOLOGY AND MICROBIOLOGY

Full Marks : 40+40=80

Time : Three hours

**The figures in the margin indicate
full marks for the questions.**

(Pathology)

Answer **any one** out of **two** : 1×10=10

1. Classify anaemia. Write etiology, clinical feature, laboratory finding and treatment of iron deficiency anaemia. 2+2+2+2+2=10

Or

2. Define Peptic Ulcer. Write etiology, pathogenesis and complication of chronic peptic ulcer. Write differences between Duodenal Ulcer and Gastric Ulcer. 1+2+2+2+3=10

Contd.

3. **Any four** out of **five**: 4×5=20
- (a) Differences between Apoptosis and Necrosis.
 - (b) Mechanisms of healing of wound.
 - (c) Define neoplasia. Write the differences between Benign and Malignant Tumor.
 - (d) Classify Congenital heart disease.
 - (e) Write clinical features of Rheumatic heart disease.
4. Answer **all** questions: 5×2=10
- (a) Displasia.
 - (b) PEM.
 - (c) Describe different stages of Pneumonia.
 - (d) Barrett's oesophagus.
 - (e) Tumor markers.

(Microbiology)

1. Answer the following: 5×2=10
- (a) Define fomite. Give *one* example.
 - (b) Name the malarial parasites.
 - (c) Name *two* mycotoxins and mention their effects on human health.

- (d) What is Tissue Tropism of virus? Give *one* example.
 - (e) Write *two* properties of antigen-antibody reaction.
2. Answer **any four** of the following: 4×5=20
- (a) What is mycoses? Classify mycoses with a short note for each type.
 - (b) Discuss the structure of virus.
 - (c) What is hypersensitivity? Write the mechanism of delayed hypersensitivity.
 - (d) Discuss pathogenicity of *Staphylococcus aureus*.
 - (e) Write a short note on sexually transmitted diseases.
3. (a) Discuss causative agent, morphology, pathogenicity and laboratory diagnosis of *Mycobacterium tuberculosis*. 10

Or

- (b) Discuss various immune responses in human body.