34 (2) PATH & MICR 2·1

2022

(Held in 2023)

PATHOLOGY AND MICROBIOLOGY

Full Marks : 40+40=80

Time : Three hours

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

PATHOLOGY

Marks : 40

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

1.   Define inflammation. Discuss vascular and cellular events in acute inflammation.

2.   Describe the clinical features and pathogenesis of pyogenic osteomyelitis.

3. Answer **any four** out of **five** :   5×4=20

    (a) Discuss grading of tumors and various mode of spread of malignant tumors.

    (b) Difference between primary and secondary union of wound.

    (c) Rheumatoid Arthritis and its pathology.

    (d) Structure of immune system.

    (e) Cysticercosis.

4. Answer **all** questions :   2×5=10

    (a) Meningitis and its classification.

    (b) Mention *three* complications of chronic rheumatic heart disease.

    (c) Different routes of metastasis.

    (d) Prevention of HIV injection.

    (e) Clinical features of Rickets.

MICROBIOLOGY

Marks : 40

I.   Essay Type : *(Answer **any one**)*   10×1=10

    (a) Discuss about the morphology, risk factors transmission, pathogenicity, lab diagnosis and treatment of Mycobacterium tuberculosis.

    (b) Discuss about the morphology transmission, pathogenicity, risk factors, diagnosis and treatment/ prevention of Human Immuno Deficiency Virus.

II.   Short Essay Type : *(Answer **any four**)*
                               5×4=20

    (a) Define sterilization and its methods.

    (b) Describe the bacterial structure with a labelled diagram.

    (c) Define virus and its properties with a labelled diagram.

    (d) Discuss immunity and its types.

    (e) What are antimicrobials ? Classify them.

Contd.

III. Short Answer Type : *(Answer **all five**)*

2×5=10

(a) What is disinfection and mention *two* methods of disinfection ?

(b) Define Pandemic and Epidemic.

(c) Write the causative agent of Malaria and Poliomyelitis.

(d) Define fungi and superficial mycosis.

(e) What is an Antigen and an Antibody ? Define them.

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