

III - S - BPT/BOT - (Pathology, Microbiology &
Pharmacology) - (Back)

2024

Full Marks - 100

Time - As in the Programme

The figure in the right hand margin indicates marks.

Answer all questions

Section - A

(Pathology & Microbiology)

[50 Marks]

1. Answer any THREE : [10 × 3]

- (a) What is necrosis ? Name the types of necrosis.
Differences between necrosis & apoptosis.

[2+3+5=10]

- (b) Define hypersensitivity. What are the different types of hypersensitivity ? Describe pathogenesis of Type I hypersensitivity ?

[2+2+6=10]

- (c) What is Myocardial Infraction. What is its etio pathogenesis. What are the laboratory tests. Name the complications of Myocardial Infraction.

[1+2+3+4=10]

[Cont...

[2]

- (d) Define pneumonia. What is the classification of pneumonia. What are the stages of lobar pneumonia. Name the complications.

[1+2+4+3=10]

2. Short notes on any FOUR : [5×4=20]

- (a) Differences between primary and secondary healing.
- (b) Laboratory diagnosis of Diabetes mellitus.
- (c) Chronic osteomyelitis.
- (d) Tuberculous granuloma.
- (e) Rheumatoid arthritis.

Section - B

(Pharmacology)

[50 Marks]

1. Long questions (Answer any THREE) : [10 × 3]

- (a) What is biotransformation ? Write down the phases of biotransformation with examples ?
- (b) What are the drugs used in asthma ? Write down the management of status asthmaticus ?

[Cont...

[3]

- (c) What are RAAS inhibitors ? Write a short note on ACE inhibitors ?
- (d) What are β blockers ? Write about its drugs, uses, and adverse effects ?

2. Short notes (Answer any FOUR) : [5×4=20]

- (a) Insulin
- (b) First line antitubercular drugs
- (c) ACT
- (d) Amiodarone
- (e) NRTIs
- (f) SNRIs



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