

2023

AUGUST

Related Sciences

Full Marks - 80

Time - 3 Hours

*The figures in the margin indicate full marks for the questions**Answer all questions***FIRST HALF (40 Marks)**

(Basic & Ocular Pharmacology)

1) Fill in the blanks:

[1X5=5]

- a) _____ is a miotic drug
 b) Miotics helps in _____ pupil
 c) Penicillin is a type of _____
 d) _____ drugs have 100% bioavailability
 e) _____ is a type of long-acting corticosteroid

2) State TRUE or FALSE:

[1X5=5]

- a) NSAIDS increases the fight or flight mechanism.
 b) Anti-hypertensive drugs can affect the kidneys.
 c) Aspirin is an anti-coagulant.
 d) Broad spectrum antibiotics can be used in viral infections as well.
 e) Corticosteroids can cause addiction.

3) Write short notes on (*any FOUR*):

[5X4=20]

- a) Route of drug administration
 b) Corticosteroids
 c) Anti glaucoma drugs
 d) Over the counter drug
 e) Lubricating drugs

[2]

4) Answer ANY ONE of the following questions:

[10X1=10]

- a) What are antibiotics? Classify.
 b) What is pharmacodynamics? Explain in details.

SECOND HALF (40 Marks)

(Pathology & Microbiology)

5) Write short notes on (*any FOUR*):

[5X4=20]

- a) Inflammation
 b) Acute leukemia
 c) Enriched media
 d) Sterilization.
 e) Embolism

6) Answer ANY TWO of the following questions:

[10X2=20]

- a) What are different types of white blood cells? Discuss them with illustrations.
 b) What do you understand by Acid Fast bacilli? Describe the Ghon complex in primary pulmonary tuberculosis.
 c) Name the different methods of Sterilization by heat. Explain any one method of sterilization by heat and how will you check for efficacy of the sterilization method.

(SS/BOPT-1/R-SCI/08-23)