







- xi) *Helicobacter pylori* is a
- a) Gm + ve bacilli                      b) Gm – ve bacilli  
c) Gm – ve cocci                        d) none of these.
- xii) Gastrin
- a) increases gastric pH  
b) decreases gastric pH  
c) does not interfere with gastric pH  
d) none of these.
- xiii) The characteristic toxicity of doxorubicin is
- a) kidney damage                      b) liver damage  
c) cardiomyopathy                      d) pulmonary fibrosis.

**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.                      3 × 5 = 15

2. Write a short note on continued pill and post coital pill.
3. Discuss the symptoms and treatment of arsenic poisoning.
4. Explain the mechanism of action of proton pump inhibitors.
5. Give an account of the azole antifungal agents.
6. a) What is the causative organism of leprosy ?  
b) What are the different types of leprosy ?  
c) What are the drugs used to treat leprosy ?                      1 + 2 + 2



**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

7. a) Write down the chemistry and biosynthesis of the hybrid hormone.  
b) Write down the chemistry and biosynthesis of insulin.  $7\frac{1}{2} + 7\frac{1}{2}$
8. Classify antibiotics. Give examples of each. Explain the mechanism of action of Erythromycin. Mention its uses and ADR's. Explain why azithromycin is a better drug than erythromycin.  $5 + 7 + 3$
9. Write about the regulation of gastric acid secretion. Describe pharmacology of  $H_2$  blocker. What are the drugs recommended for treatment of *H.pylori* infection? How does metaclopramide act as antiemetic agent?  $5 + 5 + 2 + 3$
10. Write short notes on any *three* of the following :  $3 \times 5$
- a) Crystalluria caused by sulphonamides
  - b) Mechanism of action of sulphanylurea hypoglycaemics
  - c) Heavy metal antagonists.
  - d) Superinfection.
  - e) Cytotoxic plant derivatives.
11. a) Explain the characteristics of a cancer cell.  
b) Explain the mechanism of action of aciclovir.  
c) Write down the preferable and alternative regimen for the management of AIDS.  $7 + 5 + 3$