

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER VII - EXAMINATION - WINTER 2017

Subject code: 270006

Date: 16-11-2017

Subject Name: Pharmacology-III

Time: 10:30 am to 01:30 pm

Total Marks: 80

Instructions:

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

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|-------------|-----|--|-----------|
| Q.1 | (a) | Write the anti-bacterial spectrum, mechanism of action and therapeutic uses of cephalosporins. | 06 |
| | (b) | Write the pharmacology of 5HT ₃ antagonists. | 05 |
| | (c) | Write a short note on drugs used in treatment of candidiasis. | 05 |
| Q.2 | (a) | Explain in detail mechanisms of resistance to antibiotics. | 06 |
| | (b) | Write note on fluoruracil. | 05 |
| | (c) | Describe the pharmacology of drugs for the treatment of luminal amoebiasis. | 05 |
| Q.3 | (a) | Explain mechanism of action of antimicrobial agents that interfere with protein synthesis with suitable illustrations. | 06 |
| | (b) | Write a note on tocolytics | 05 |
| | (c) | What are alkylating agents. Write in detail their mechanism of action and uses. | 05 |
| Q.4 | (a) | Classify laxatives and purgatives with examples. Write a brief account on fecal softeners. | 06 |
| | (b) | Write a note on H ₂ -antagonists used in treatment of peptic ulcer. | 05 |
| | (c) | Describe the pharmacology of thyroid hormones. | 05 |
| Q.5 | (a) | Classify anthelmintic agents. Write a short note on pharmacology of Albendazole. | 06 |
| | (b) | Write a note on adverse effects and uses of rifampicin. | 05 |
| | (c) | How are monoclonal antibodies useful in the treatment of cancer? | 05 |
| Q. 6 | (a) | Explain the mechanism of action of insulin. Write a note on different insulin preparations and their indications. | 06 |
| | (b) | Classify antiviral drugs on the basis of mechanism of action. | 05 |
| | (c) | Explain the mechanism of action and uses of salbutamol. | 05 |
| Q.7 | (a) | Classify antimalarial drugs. Describe the mechanism of action and adverse effects of Chloroquine. | 06 |
| | (b) | Write a note on oral contraceptives. | 05 |
| | (c) | Write a note on replacement therapy using corticosteroids. | 05 |
