

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 7 EXAMINATION – SUMMER -2019

Subject Code: 2270004

Date: 15-05-2019

Subject Name: Pharmacology and Pharmacotherapeutics – III

Time: 02:30 PM TO 05:30 PM

Total Marks: 80

Instructions:

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

- Q.1** (a) Give general characteristics of Aminoglycosides and explain their mechanism of action. Describe toxicities associated with the use of aminoglycosides. **06**
(b) Write a note on Carbapenems **05**
(c) Write symptoms, diagnosis and management of following diseases : **05**
1) Dengue 2) Chikungunya
- Q.2** (a) Classify anti-cancer agents and write in detail on Alkylating agents. **06**
(b) Describe diagnostic tests and pharmacotherapy of tuberculosis **05**
(c) Write a note on Urinary antiseptics. **05**
- Q.3** (a) Describe in detail problems associated with the use of antimicrobials. Write advantages of use of antimicrobial combinations. **06**
(b) Explain in detail pharmacotherapeutic management of leukemia. **05**
(c) Discuss therapeutic uses and adverse effects of fluoroquinolones **05**
- Q.4** (a) Write causative agent/s and enlist drugs or management strategy for the following diseases : **06**
1) Swine flu 2) Bird flu 3) Meningitis
(b) Classify various semisynthetic penicillins and write advantages of their over Penicillin G. Explain in detail clavulanic acid. **05**
(c) Describe treatment of Chloroquine resistant malaria **05**
- Q.5** (a) Give the name of drug associated with the following side effects, the symptoms and reason for their occurrence : **06**
1) Gray baby syndrome 2) Superinfection
(b) Enlist antifungal agents. Write pharmacology of any one of them **05**
(c) Explain in detail pharmacotherapeutic management of Amoebiasis. **05**
- Q. 6** (a) Write briefly cause, diagnosis, prevention and treatment of the following diseases: **06**
1) Leishmaniasis 2) Leptospirosis
(b) Enlist various anti leprosy drugs and write a note on sulfones. **05**
(c) Enumerate the limitations of erythromycin. Enlist the newer macrolides which overcome these limitations, citing their mechanism of action. **05**
- Q.7** (a) Classify anti AIDS drugs according to mechanism. Discuss the mechanism of each class in detail. **06**
(b) Write a detailed note on Albendazole. **05**
(c) Explain in detail pharmacotherapeutic management of Carcinoma of breast. **05**
