



HG-014-003608

Seat No. _____

**Master of Pharmacy Management (MPM)
(Sem. IV) (CBCS) Examination**

May / June - 2017

Pharmacology - III

Faculty Code : 014

Subject Code : 003608

Time : 3 Hours]

[Total Marks : 80

- Instructions :** (1) Answer any three from each section except question 1 and 5 are compulsory.
(2) Figures to the right indicate full marks.
(3) Draw neat and clean diagram when required.

SECTION - I

- 1** Answer the following questions : (Any Seven) **2×7=14**
- (1) Define: Superinfection.
 - (2) Write down side effects and uses of azathioprine.
 - (3) Justify: Insulin is indispensable agent to treat type I diabetes mellitus.
 - (4) Write the mechanism of action of azithromycin.
 - (5) Enlist the drugs used in erectile dysfunction.
 - (6) Comment: Intravenous 5% glucose infusion is essential to treat diabetic ketoacidosis.
 - (7) Write the mechanism of action of acyclovir.
 - (8) Write the uses of itraconazole.
 - (9) Write the mechanism of action of acarbose.
 - (10) Write down side effects and uses of artemether.
- 2** Answer the following questions : **13**
- (A) Describe in detail about beta lactam antibiotics. **7**
 - (B) Write pharmacology of tetracycline and chloramphenicol. **6**

- 3 Answer the following questions : 13
(A) Explain in detail about sulphonamides and co-trimoxazole. 7
(B) Write pharmacology of aminoglycoside antibiotics. 6
- 4 Answer the following questions : 13
(A) Explain in brief about pharmacology of antiviral drugs. 7
(B) Write a short note on antimalarial agents. 6

SECTION – II

- 5 Answer any **two** questions from the following : 2×7=14
(A) Write a short note on actions of insulin and insulin resistance.
(B) Classify antidiabetics. Write in detail about metformin.
(C) Discuss in brief about anterior pituitary hormones.
- 6 Answer the following questions : 13
(A) Write down detailed classification of anticancer agents. 7
(B) Write a short note on immunosuppressants. 6
- 7 Answer the following questions : 13
(A) Describe in detail about antimetabolites as an anticancer agents. 7
(B) Explain in brief about corticosteroids. 6
- 8 Answer the following questions : 13
(A) Write in detail about pharmacology of oxytocin. 7
(B) Write a short note on oral contraceptives. 6