



DAN-1612030701080300 Seat No. _____

M. P. M. (Sem. VIII) (WEF-2016) Examination

April - 2022

Pharmaceutical Chemistry-IX (Medicinal Chemistry-IV)

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (1) Attempt three questions from each section.
 - (2) Questions 1 and 5 are compulsory
 - (3) Figure to the right indicates full marks for the respective question.

Section-I

1 Answer the following questions : (Any **SEVEN**) **14**

- (1) Define hypertension and give normal value of blood pressure.
- (2) Write down the synthesis of Aspirin.
- (3) Define atrial fibrillation and atrial flutter.
- (4) write down the synthesis of nitro-glycerin.
- (5) Define coagulant with example.
- (6) What is uses of Hydrochlorthiazide ?
- (7) what are diagnostic agents?
- (8) Write down the synthesis of Dobutamine.
- (9) What is hyperlipidemia? Write down the causes of it.
- (10) Write down the synthesis of clofibrate.

2 Answer the following :

- (1) Write the note on Thrombolytic agents. **7**
- (2) Write the note on Immunoenhancer. **6**

- 3** Answer the following :
- (1) Classify the Diuretics with structure. **7**
 - (2) Explain the SAR of Cardiac glycosides. **6**

- 4** Answer the following :
- (1) Classify the anti-hypertensive agent with structure. **7**
 - (2) Explain the SAR of Dihydropyridine. **6**

Section-II

- 5** Answer the following questions : (Any **TWO**) **14**
- (1) Write the note on Synthon Approach.
 - (2) What is plasma expander? Give note on it.
 - (3) Write the SAR of Thiazide diuretics.

- 6** Answer the following :
- (1) Explain the SAR of HMG-CoA reductase inhibitor. **7**
 - (2) Write the synthesis of Lignocaine and Flecainide. **6**

- 7** Answer the following :
- (1) Write the note on diagnostic agents. **7**
 - (2) Write the note on Peptidimimetics **6**

- 8** Answer the following :
- (1) Give note on Anti-obesity agents. **7**
 - (2) What is Anti-coagulant? Classify it. **6**
