

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM- SEMESTER - VIII - EXAMINATION- WINTER 2020**Subject Code: 2280004****Date: 08/01/2021****Subject Name: Pharmacology & Pharmacotherapeutics-IV****Time: 02:00PM TO 04:00PM****Total Marks: 54****Instructions:**

1. Attempt any **THREE** questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

- Q. 1** (a) Describe etiology, pathophysiology and complications of thrombosis. **06**
(b) Write a note on oral anticoagulants. **05**
(c) Discuss pharmacology of quinidine **05**
- Q.2** (a) Classify hypolipidemic agents and explain the pharmacology of statins **06**
(b) Write a note on tocolytics. **05**
(c) Write a note on complications and treatment of iron deficiency anaemia. **05**
- Q.3** (a) Classify anti-thyroid drugs and write their uses and adverse effects. **06**
(b) Describe the role of antiandrogens in treatment of prostate cancer. **05**
(c) Classify fibrinolytic agents and discuss pharmacology of streptokinase. **05**
- Q.4** (a) Explain physiological significance of renin- angiotensin- aldosterone system. **06**
(b) Write a note on digoxin toxicity and its management. **05**
(c) Enlist selective estrogen receptor modulators (SERM) and describe pharmacology of tamoxifen. **05**
- Q.5** (a) Explain the pharmacological basis of the following statements: **06**
(i) Nitroglycerine is used in cyanide poisoning.
(ii) Lidocaine for local anaesthetic purpose should not be used for arrhythmia.
(iii) ACE inhibitors causes dry cough.
(b) Justify the use of organic nitrates in angina pectoris. **05**
(c) Enlist various hormonal contraceptives and discuss their adverse effects. **05**
- Q.6** (a) Explain the pharmacological basis of the following: **06**
(i) Desferrioxamine in iron poisoning.
(ii) Heparin should not be administered by intramuscular route.
(iii) Protamine sulfate in heparin overdosage.
(b) Write a short note on aromatase inhibitors. **05**
(c) Write a short note on pharmacology of plasma volume expanders. **05**
- Q.7** (a) Describe complications, treatment and management of osteoporosis. **06**
OR
(a) Write a note on potassium sparing diuretics. **06**
OR
(a) Discuss pharmacology of sildenafil. **06**