Seat No.: _____ Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm. - SEMESTER– VIII EXAMINATION – SUMMER-2016

Subject Code: 2280004 **Date:04/05/2016**
Subject Name: Pharmacology and Pharmacotherapeutics – IV
Time: 10:30 AM to 1:30 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)**	Classify hypertension. Mention risk factors responsible for development of hypertension. Discuss step-wise management of hypertension in brief.	**06**
	(b)	Discuss management of hypothyroidism.	**05**
	(c)	Classify anti-coagulants. Add a note on direct thrombin inhibitors.	**05**
Q.2	**(a)**	Write Vaughan–Williams classification for anti-dysrhythmic agents. Mention major electrophysiological induced by these drugs in brief.	**06**
	(b)	Explain insulin resistance. Discuss pathophysiology and management in brief.	**05**
	(c)	Classify anemia. Discuss etiology, diagnosis and management of megaloblastic anemia.	**05**
Q.3	**(a)**	Discuss etiology, diagnosis and management of acute renal failure.	**06**
	(b)	Give outline for management of erectile dysfunctioning.	**05**
	(c)	Classify anti-hyperlipidemic agents. Write pharmacology of HMG Co-A reductase inhibitors.	**05**
Q.4	**(a)**	Describe pathophysiology, symptoms and diagnosis coronary heart disease. Introduce surgical interventions in brief.	**06**
	(b)	Classify diuretic agents. Discuss mechanism of action and adverse effects of potassium sparing diuretics.	**05**
	(c)	Write a note on: Hormonal contraceptives	**05**
Q.5	**(a)**	Enlist anti-anginal agents. Write pharmacology of nitrates in detail.	**06**
	(b)	Describe pathophysiology of Congestive heart failure (CHF). Show outline of treatment for CHF due to left ventricular systolic dysfunctioning.	**05**
	(c)	Discuss management of obesity in brief.	**05**
Q. 6		Write mechanism of action for following: (i) Digoxin (ii) Captopril (iii) Abciximab (iv) Streptokinase (v) Acarbose (vi) Sitagliptin (vii) Carbimazole (viii) Low dose aspirin	**16**
Q.7		Write short note on following: (a) Selective estrogen receptor modulators (b) Erythropoietin (c) Oxytocics and tocolytics (d) Insulin secretagogues	**16**

****