Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

	1	DIPLOMA PHARMACY - SEMESTER-I • EXAMINATION-SUMMER • 2014	
	•	Code: 410005 Date: 30-05-2014	
Tin	ne: 1(ructio 1. 2.	Attempt all questions. Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Enlist different parts of Brain. Write composition, locations and functions of Cerebrospinal fluid	06
	(b)	Compare the physiological effects of sympathetic and parasympathetic nervous system on different parts of the body	06
	(c)	Explain in brief reflex action of spinal cord	04
Q.2	(a)	Enlist hormones of anterior pituitary gland. Explain physiological effect of each hormone	06
	(b)	Draw labeled diagram of human respiratory system. Explain mechanism of respiration.	06
	(c)	Explain the disorders (Any two) i) Anemia ii) Goitre iii) Asthma	04
Q.3	(a) (b) (c)	Define blood coagulation. Explain its process. Classify types of WBC. How will you differentiate them? Write functions of blood	06 06 04
Q.4	(a)	Explain digestion of food in duodenum	06
	(b) (c)	Discuss in detail functions of liver Explain the role of hormones in digestion	06 04
Q.5	(a)	Describe physiology of menstrual cycle	06
	(b) (c)	Write a note on lymphatic system and its components Write a note on male accessory sex organs	06 04
Q. 6	(a)	Describe in detail physiology of urine formation	06
	(b)	Describe internal structure of heart with labeled diagram	06
	(c)	Explain flow of blood through heart chambers	04
Q.7	(a)	Describe structure of sarcomere with labeled diagram	06
	(b) (c)	Enlist different organelles of human cell. Describe any two of them. Write short note on neuromuscular junction	06 04
	(0)	With short how on neuromuscular junction	V4
