Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BPHARM – SEMESTER II • EXAMINATION – SUMMER • 2015

Subject code: 2220004 Date: 06-06-2015

Subject Name: Human Anatomy Physiology - II

Time: 10:30 am - 01:30 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)** Discuss mechanism and regulation of Respiration.	**06**
	(b) Draw a well labeled diagram of Respiratory tract and explain it.	**05**
	(c) Explain in brief: i) Hypoxia ii) Emphysema iii) Pneumonia iv) Tuberculosis v) SARS	**05**
Q.2	**(a)** Give a difference between sympathetic and parasympathetic nervous system	**06**
	(b) Write composition and functions of CSF.	**05**
	(c) Write a short note on Adrenergic transmission.	**05**
Q.3	**(a)** Explain in detail Anatomy of Eye.	**06**
	(b) Discuss the physiology of Hearing.	**05**
	(c) Discuss the anatomy and physiology of medulla oblongata.	**05**
Q.4	**(a)** Explain in brief: i) Glaucoma ii) Diabetes mellitus iii) Acromegaly	**06**
	(b) Draw a well labeled diagram of Nephron.	**05**
	(c) Explain physiology of urine formation.	**05**
Q.5	**(a)** Discuss the synthesis, control and release of thyroid hormones	**06**
	(b) Draw a well labeled diagram of Brain.	**05**
	(c) Classify the neurons according to structure and function.	**05**
Q.6	**(a)** Discuss various methods of contraception.	**06**
	(b) Draw a well labeled diagram of Female Reproductive System.	**05**
	(c) Explain the spermatogenesis.	**05**
Q.7	**(a)** Enumerate the various endocrine glands. Write the functions of glucocorticoids	**06**
	(b) Draw a well labeled diagram of urinary tract and explain it.	**05**
	(c) Explain in brief: i) EPSP ii) Gynecomastia iii) BBB iv) Oogenesis v) Otitis media	**05**

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