

So P Pharmacy / Sem-II / ATKIT / Anatomy / Physiology / APP-11

2nd half-12-(c) JP

on. 6304-12.

(REVISED COURSE)

CN-4939

(2 Hours)

[Total Marks : 40

- N.B.:** (1) Question No. 1 is **compulsory**.
 (2) Attempt any **four** out of the remaining **five** questions.
 (3) Draw **diagrams** wherever **necessary**.

1. (a) Draw a neat labelled diagram of LS of testis showing different ducts. 4
- (b) Explain the following terms (any **two**) :— 4
 - (i) Tidal Volume
 - (ii) Alveolar Ventillation
 - (iii) Inspiratory Reserve Volume (I. R. V)
 - (iv) Functional Residual Capacity.

2. Discuss in detail the process of oogenesis and its hormonal regulation. 8

3. (a) Draw a neat labelled diagram of the bronchial tree. 4
- (b) Discuss the role of chemoreceptors in control of respiration. 4

4. Explain the pathophysiology of any **two** of the following :— 8
 - (a) Asthma
 - (b) Dysmenorrhea
 - (c) Grave's disease
 - (d) Acromegaly.

5. (a) Draw a neat labelled diagram of the TS of pancreas. Discuss the role of insulin in glucose metabolism. 4
- (b) Discuss the synthesis and physiological role of thyroid hormones. 4

6. (a) Write a note on STD. 4
- (b) Explain in detail pulmonary ventillation. 4
