



Code No. : 017

**FACULTY OF SCIENCE**  
**M.Sc. I Semester Examination, Nov./Dec. 2012**  
**BIO CHEMISTRY**  
**Paper – II : (Vitamin and Endocrine Biochemistry)**

Time: 3 Hours]

[Max. Marks: 80

**Note** : Attempt **all** questions.

**Each** question carries **4** marks in Section **A** and **12** marks in Section **B**.

SECTION – A

(8×4=32 Marks)

1. Disorders of FSH.
2. Deficiency symptoms of PTH.
3. What are pancreatic hormones ? Explain their synthesis.
4. Pregnenolone formation.
5. Folic acid deficiency symptoms.
6. RDA of thiamin.
7. Chemistry of vitamin A.
8. Sources of vitamin E and its significance.

SECTION – B

(4×12=48 Marks)

9. a) Write in general on organs which produce hormones and classification of hormones.

OR

- b) Write an essay on physiological and biochemical functions of thyroid hormones.



10. a) Discuss the synthesis and functions of adrenal gland hormones.

OR

b) What are androgens ? How does they produced ? Explain their functions.

11. a) Discuss the source, synthesis and biochemical functions of cobalamine.

OR

b) Write on :

a) pyridoxine

b) riboflavin.

12. Write the chemistry, synthesis and significance of

a) Vitamin A and E

OR

b) Vitamin D and K.

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