D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1.

II M.Sc BIOCHEMISTRY

S.NO	SEMESTER	ODD/ EVEN	TITLE OF THE PAPER
1	I	ODD	HORMONAL BIOCHEMISTRY
2	I	ODD	IMMUNOLOGY
3	I	ODD	RESEARCH METHODOLOGY
4	I	ODD	ADVANCED CLINICAL BIOCHEMISTRY

II M.Sc Biochemistry

Semester : III

Tile of the paper: HORMONAL BIOCHEMISTRY

Subject Code : 15CPBC3A

SECTION-A 6 MARKS

1. Add a note on feed back mechanism
2. Give a short note on signal transduction.
3. Write a note on calcium as tertiary messengers.
4. Write a short note on inositol phosphate as secondary messengers
5. Write about disorders of growth hormone.
6. Give a short note on ADH secretion and its disorder.
7. Give a note on MSH.
8. Write a note on disorders of thyroid hormone.
9. Write a note on calcitonin and its action.
10. Add a note on calcitriol.
11. Explain the disorders rickets and osteomalacia.
12. Explain insulin signaling pathway.
13. Add a note on biosynthesis of insulin.
14. Write about catecholamine hormones.
15. Write a note of testosterone hormone.

16. Give an account on estrogen and its disorders.
17. Give a note on ovarian cycle.
18. Add a note on abnormalities – addison's disease, cushing's syndrome.

SECTION-B 15 MARKS

1. Explain secondary messengers CAMP and its action.
2. Explain secondary messengers CGMP and its action.
3. Describe the mechanism of steroid hormone.
4. Describe the role of G protein.
5. Describe the mechanism of action of peptide hormone.
6. Write a note of neurohypophyseal hormone.
7. Write about lactogenic hormones.
8. Give a brief explanation on mode of action of growth hormone.
9. Describe the biosynthesis and role of thyroid hormone.
10. Discuss about the biosynthesis of parathyroid hormone and its activity
11. Give a brief explanation on mode of action of Gastrin, CCK, VIP and Secretin.
12. Discuss about the insulin action and its disorder.
13. Describe in detail about the gastrointestinal hormones and its action.
14. What are the changes that take place during pregnancy?
15. Describe about the aldosterone hormone biosynthesis and its disorder.
16. Explain the cortisol hormone biosynthesis and action in short form.
17. Explain the biological action of catecholamines.