5 Write a descriptive note on the G-protein mediated mechanism of hormone action. 14

Or

6. Write short notes on the following: 7x2=14

a) Protein kinase

b) Second messenger

7. What do you mean by contraception and family planning? Describe the socio-economic, behavioral and political issues on contraception. 14

Or

8. Write short notes on the following: 7x2=14

a) ART

b) Micromanipulation

9. What are endocrine disrupting chemicals? Write a detailed account on the types and role of endocrine disruptors. 4+10=14

Or

10. Write short notes on the following: 7x2=14

a) Phytoestrogens

b) Production of human insulin by recombinant DNA technology.

★★★

PG (CBCS) ODD SEMESTER EXAMINATION, 2022

LIFE SCIENCE & BIOINFORMATICS

3rd Semester

COURSE NO. LISBCC – 301(Z)

(Molecular Endocrinology)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer all questions

1. What is neuroendocrine system? Describe in details the neuroendocrine system of insects with suitable diagram. 2+12=14

Or

2. Write short notes on the following: 7x2=14

a) Biosynthesis of steroid hormones

b) Feedback regulation of steroid hormones

3. Describe the role of hypothalamus in controlling pituitary hormone secretion. 14

Or

4. Write short notes on the following: 7x2=14

a) Calcium homeostasis

b) Pineal gland

(Turn Over)