



19101397

QP CODE: 19101397

Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATION, MAY 2019

Fourth Semester

Complementary Course - CH4CMT06 - CHEMISTRY - ADVANCED BIO-ORGANIC CHEMISTRY

(Common for B.Sc Botany Model I, B.Sc Botany Model II Food Microbiology, B.Sc Botany Model II Horticulture and Nursery Management, B.Sc Botany Model II Environmental Monitoring and Management, B.Sc Family & Community Science Model I, B.Sc Food Science & Quality Control Model III, B.Sc Zoology Model I, B.Sc Zoology Model II Aquaculture, B.Sc Zoology Model II Food Microbiology, B.Sc Zoology Model II Medical Microbiology, B.Sc Botany Model II Plant Biotechnology, B.Sc Food Technology & Quality Assurance)

2017 Admission onwards

3E2336A4

Maximum Marks: 60

Time: 3 Hours

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. Write two uses of geraniol?
2. How are alkaloids classified based on the plant source?
3. Write any two methods for the extraction of fats and oils?
4. What are soaps chemically?
5. Draw the zwitterionic form of phenyl alanine.
6. What is meant by a peptide bond?
7. Write down Michaelis-Menton equation for enzyme catalysed reactions and explain the terms
8. Draw the structure of adenine and guanine
9. Draw the structure of AMP
10. Write the molecular formula of cellulose
11. Which are the diseases caused by the deficiency of vitamin B12?
12. Draw the structure of vitamin D.

(10×1=10)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. How are terpenoids classified? Give examples for each class?



