

FIRST SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2022

(OEC)

**CHEMISTRY**

Time : Two Hours

Maximum : 60 Marks

**All sections are compulsory.**

**Section A**

I. Answer any *five* of the following. Each question carries 2 marks :

- 1 Name any four household chemicals.
- 2 What are detergents ? Mention the types.
- 3 What are artificial sweetners ? Give examples.
- 4 What are antacids ? Write an example.
- 5 Define paints. Write its components.
- 6 What are fertilizers ? Give examples.

(5 × 2 = 10 marks)

**Section B**

II. Answer any *four* of the following. Each question carries 5 marks :

- 7 What are the functions of enzymes and hormones in the human body ?
- 8 Explain the science behind salt harvesting.
- 9 What are synthetic polymers ? Write uses of HDPE, PVC and Nylon.
- 10 What are drugs ? Give their classification.
- 11 Explain the composition and uses of carbohydrates.

(4 × 5 = 20 marks)

**Section C**

III. Answer any *three* of the following. Each question carries 10 marks :

- 12 (a) Give the contents and uses of face powder. (5 marks)  
(b) Write a note on toxic effects of chemicals used at home. (5 marks)
- 13 (a) Discuss food preservatives. (5 marks)  
(b) Write a note on coal tar dyes and non-permitted colours. (5 marks)

- 14 (a) Describe nitrogeaneous fertilizers with examples. (5 marks)  
(b) What are rocket propellants ? Write the types of propellants ? (5 marks)
- 15 Explain the following :—
- (i) Perfumes.
  - (ii) Emotions.
  - (iii) Antipyretics.
  - (iv) Pesticides.
  - (v) Vitamins.

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