

(NO. OF PAGES: 2)

(FOR THE CANDIDATES ADMITTED

20PCY414

DURING THE ACADEMIC YEAR 2020 ONLY)

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS): POLLACHI

M.Sc. CHEMISTRY

MAXIMUM MARKS: 70

SEMESTER: IV

TIME: 3 HOURS

PHYTOCHEMICAL TECHNIQUES AND HEALTH CHEMISTRY

SECTION - A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

**ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS.**

(K1)

SECTION - B

(5 X 4 = 20 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (KS3)

11. a) Describe in detail cold extraction strategies of drugs/natural products.
(OR)
b) Write a short note on principles and technique of simple distillation.

12. a) How will you remove impurities by Simple crystallization?
(OR)
b) Write down the solvents used for crystallization.

(CONT'D 2)

13. a) Explain preliminary methods of identification of extracts.
(OR)
b) How is TLC useful for identification and purification of drugs?
14. a) Relate how health and hygiene keep us active with examples.
(OR)
b) Classify carbohydrates with examples.
15. a) Brief the types and causes of jaundice.
(OR)
b) Describe in detail the causes and consequences of diabetes.

SECTION - C

(4 X 10 = 40 MARKS)

ANSWER ANY FOUR OUT OF SIX QUESTIONS

**(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No: 17 to 21) (K4 (or) K5)**

16. Explain the procedure for antibacterial, antifungal and antioxidant activities.
17. Illustrate the food toxicants with examples.
18. Classify Vitamins and explain its biological functions.
19. Describe the procedure for GC-MS, LC-MS methods.
20. Analyze the terms fractional distillation- steam distillation-rotary evaporation and centrifugation.
21. Explain the types and causes of common diseases.
