

(FOR THE CANDIDATES ADMITTED

SUBJECT CODE

23 UCO 617

DURING THE ACADEMIC YEAR 2023-24 ONLY)

REG.NO.

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

END-OF-SEMESTER EXAMINATIONS : MAY– 2026

B.Com. (AIDED & S.F.)

MAXIMUM MARKS: 75

VI SEMESTER

TIME : 3 HOURS

PART – III

INTRODUCTION TO INDUSTRY 4.0

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

(FOR THE CANDIDATES ADMITTED

1. Which is used to Big Data in Industry 4.0 ?
 - a) Store images only
 - b) Analyze large volumes of data
 - c) Replace databases
 - d) Create websites
2. Who is the father of Artificial Intelligence?
 - a) Charles Babbage
 - b) Alan Turing
 - c) John McCarthy
 - d) Marvin Minsky
3. Which is the term denotes IoT ?
 - a) Internet of Technology
 - b) Information of Things
 - c) Internet of Things
 - d) Integration of Things
4. Which tool is commonly used for Artificial Intelligence development?
 - a) Hadoop
 - b) TensorFlow
 - c) Tableau
 - d) Arduino
5. What emphasizes education 4.0?
 - a) Rote learning
 - b) Teacher-centered learning
 - c) Technology-enabled personalized learning
 - d) Traditional classrooms only

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Define Industry 4.0.
7. Tell the scope of AI.
8. Name one application of IoT.
9. Identify a tool used for data analytics.
10. List the role of Faculty 4.0.

(CONTD 2)

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Describe the reasons for adopting Industry 4.0. \

(OR)

- b) Compare Big Data and Cloud Computing in Industry 4.0.

12. a) Explain the foundations of Artificial Intelligence.

(OR)

- b) Classify the Describe application domains of AI.

13. a) Examine the architecture of IoT.

(OR)

- b) List and explain Big Data characteristics.

14. a) State the impact of Industry 4.0 on business and people.

(OR)

- b) Compare how VR and AR are used in education and training

15. a) Describe the skills required for future Jobs 2030.

(OR)

- b) Explain AI-related job roles expected in 2030.

SECTION – C

(5 X 8 = 40 MARKS)

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

(K4 (Or) K5)

16. a) Evaluate the role of AI and IIoT in achieving smart manufacturing.

(OR)

- b) Justify the use of Augmented Reality in Industry 4.0.

17. a) Analyze the societal influences of Artificial Intelligence.

(OR)

- b) Investigate the challenges faced in AI implementation and outline the future prospects of Artificial Intelligence.

18. a) Categorize Big Data processing frameworks and analyze their use.

(OR)

- b) Recommend strategies for securing IoT systems.

19. a) Categorize Industry 4.0 tools and analyze their applications.

(OR)

- b) Outline the role of IoT in transportation and logistics.

20. a) Discuss the importance of Education 4.0 in preparing students for Jobs 2030.

(OR)

- b) Recommend strategies to align Curriculum 4.0 with Industry 4.0.