

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2024 ONLY)

24UBI411

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : APRIL - 2026

B.Com.-BANKING AND INSURANCE

MAXIMUM MARKS: 75

SEMESTER: IV

TIME : 3 HOURS

PART - III

INTRODUCTION TO INDUSTRY 4.0

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Industry 4.0 mainly focuses on_____.
a. Hand-made products
b. Traditional machines
c. Smart and digital manufacturing
d. Manual record keeping
2. AI stand for_____.
a. Automatic Information
b. Advanced Internet
c. Artificial Intelligence
d. Applied Innovation
3. Which of the following is a Big Data processing framework?
a. MS Word b. Excel c. Hadoop d. Notepad
4. IoT mainly refers to_____.
a. Connecting only computers
b. Using the internet for emails
c. Connecting devices to the internet
d. Playing online games
5. _____ is expected to grow by 2030 due to Industry 4.0
a. Typewriter operator
b. Manual record keeper
c. Data Analyst
d. Postal clerk

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Write about the main focus of Industry 4.0.
7. Define main goal of AI.
8. What does Big Data deal with?
9. State the features IoT Robotics.
10. Name few important skills required to get job in Industry 4.0.

SECTION – B

(5 X 5 = 25

MARKS)

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

(K3)

11. a) State any five reasons for adopting Industry 4.0.
(OR)
b) List out the recent technologies of Industry 4.0.
12. a) Trace the history of AI.
(OR)
b) List out the application domains used AI with explanation.

(CONTD.....2)

13. a) Show the essentials of Big Data in Industry 4.0.
(OR)
b) List the database features used for Big Data applications in Industry 4.0.
14. a) Show the various technologies used for IoT.
(OR)
b) Explain Virtual Reality with examples.
15. a) Explain the features of Curriculum 4.0 in the era of Industry 4.0.
(OR)
b) Prepare four predicted AI job roles by 2030 with explanation.

SECTION – C (5 X 8 = 40 MARKS)

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

(K4 (Or) K5)

16. a) Analyze the goals and design principles of Industry 4.0.
(OR)
b) Outline the role of Augmented Reality (AR) in Industry 4.0.
17. a) Highlight the foundations of Artificial Intelligence (AI) in Industry 4.0.
(OR)
b) Examine the future prospects of Artificial Intelligence in Industry 4.0.
18. a) Point out the merits and de merits of Big Data.
(OR)
b) Point out the usage Big Data in social causes.
19. a) Describe the applications of IoT in healthcare Industry.
(OR)
b) Explain the role and applications of Big Data and Data Analytics in Industry 4.0.
20. a) Evaluate the AI tools used in education.
(OR)
b) Summarise the framework for aligning education with Industry 4.0.
