

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2020-21 ONLY)

SUB CODE **20 UC0515**

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : DECEMBER – 2022

B.Com. (AIDED & SF)

MAXIMUM MARKS: 70

V SEMESTER

TIME : 3 HOURS

PART - III

INTRODUCTION TO INDUSTRY 4.0

SECTION - A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. What are the advantages of Industry 4.0?
a) Low cost of implementation b) Improved productivity and efficiency
c) Creating more vacancies for workers d) No risk of hacking into the internal network
2. _____ is a branch of Science which deals with helping machines finding solutions to complex problems in a more human-like fashion
a) Expert System b) Internet design
c) Artificial Intelligence d) Machine learning
3. Data in _____ bytes size is called big data
a) Meta b) Giga
c) Tera d) Peta
4. _____ simulates the various senses like vision, touch, hearings, a smell which transforms to experience the artificial world
a) Augmented Reality b) Virtual Reality
c) IoT d) Integration of Things
5. Which is not part of the legal framework in Industry 4.0?
a) Protection of corporate data b) Liability
c) Finance d) Handling personal data

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

(Qn. No. 6 - 10)

6. Expand IIOT.
7. What is logic in AI?
8. List out the sources of big data
9. Define Virtual Reality
10. What is Industry 4.0?

SECTION – B**(5 X 4 = 20 MARKS)**

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

11. (a) How are IoT devices used in the industrial sector? Explain
(OR)
(b) What is Augmented Reality? How does it Work?
12. (a) Brief about Artificial Intelligence?
(OR)
(b) Does AI affect the future opportunities for humans? Justify
13. (a) Describe the essential of Big Data in Industry 4.0
(OR)
(b) Discuss how IoT devices are used in security
14. (a) Discuss the impact of Industry 4.0 in Government
(OR)
(b) Define Big Data and Data Analytics
15. (a) Why do education institutions need curriculum 4.0?
(OR)
(b) What will happen to Artificial Intelligence in 2030?

SECTION – C**(4 X 10 = 40 MARKS)**

ANSWER ANY FOUR OUT OF SIX QUESTIONS

**(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE
QUESTIONS. (K4/K5)**

16. Discuss about the architecture and technologies of IoT.
17. Analyse the goals and design principles of Industry 4.0 Technologies
18. Summarize the various application domains in AI
19. Compare Big Data in Data Science and Big Data in IoT
20. List and explain the Applications of IoT
21. Discuss the skills and tools required in future for Education in industry 4.0
