17. What is meant by Artificial Intelligence?

18. List out the components of Big data.

19. What are the applications of IoT? Explain.

20. What are the sectors that impacts Industry 4.0? Explain.

SECTION C – (5 x 10 = 50 marks)
ANSWER ALL QUESTIONS

21. A Discuss about different types of Industry 4.0 in detail.

OR

B Examine the Industrial revolution from 1.0 to 4.0.

22. A Elaborate the challenges of Artificial Intelligence.

OR

B Explain AI environment.

23. A Sketch the characteristics of Big data.

OR

B Explain the Big data applications.

24. A Explain how IoT help in the development of Education.

OR

B Describe the IoT in Agriculture.

25. A Explain the Impact of Industry 4.0 in Business.

OR

B Explain the Impact of Industry 4.0 on People.

Reg. No.

END SEMESTER EXAMINATION NOV/DEC-2023

First Semester

B.Com/B.Com CA/B.Com PA

FOUNDATION COURSE FC (ELEMENTS OF INDUSTRY 4.0)

Time: Three Hours   Maximum: 75 marks

SECTION A – (15 x 1 = 15 marks)
ANSWER ALL QUESTIONS

1. Industry 4.0 started in

   A 2007   B 2010

   C 2013   D 2016

2. Which country's government has introduced the Industry 4.0 concept?

   A United States of   B France
      America

   C Germany   D Great Bretain

3. ____ is accountable for the First Industrial Revolution.

   A Steam Power   B Agrarian Riots and Starvation

   C Computers and   D Electricity and Mass Production
      Semiconductors

4. Artificial Intelligence is about ____.

   A Playing a game on   B Making a machine Intelligent
      Computer

Programming on D Putting your intelligence in
Machine with your Machine
Own Intelligence
o is known as "the -Father of AI"?

Fisher Ada B Alan Turing
John McCarthy D Allen Newell
robot is able to change its own trajectory as per the external
ditions, then the robot is considered as the_____.

Mobile B Non-Servo
Open Loop D Intelligent
___is not one of the four V's of Big Data.

Velocity B Volume
Variety D Value

at is the process of transforming structured and
tructured data into a format that can be easily analyzed?
Data Mining B Data Warehousing
Data Integration D Data Processing
ich of the following is a tool used for processing and
lyzing Big Data?

Hadoop B MySQL
PostgreSQL D Oracle
v an IoT device is associated with data?

Internet B Cloud
Automata D Network
oT network is a collection of ____devices.

Signal B Machine to Machine
Interconnected D Network to Network

12. What is the role of Big Data in IoT's Smart Grid architecture?
    A Filter the data   B Locked the data
    C Store data   D None of the these

13. What is a Smart Factory?
    A Robots will replace   B Factories and logistic systems
      people   that will operate and organize
                               themselves without human
                               interaction
    C Factories and logistic D All of the above
      systems that will
      organize themselves
      by human
      interaction.

14. What are the advantages of Industry 4.0?
    A Improved   B Low cost of implementation
      productivity and
      efficiency
    C Creating more   D No risk of hacking into the
      vacancies for   internal network
      workers

15. IIoT stands for _____.
    A Industrial Internet of B Industrial Intelligence of Thing
      Things
    C Intelligence Internet   D Internal Internet of Things
      of Things

SECTION B – (2 x 5 = 10 marks)
ANSWER ANY TWO QUESTIONS

16. Explain industrial revolution.

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