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Part I say true or false if the statement is correct the answer will be true otherwise false (1pts each)

1. Emerging technology is a term generally used to describe a new technology and existing technology
2. The quaternary industrial revolution provide a service like teaching and nursing.
3. Artificial intelligence is the one main elements that give life to Autonomous Vehicles and Automated Robots.
4. Data is information that has been processed in some way.
5. An intelligent agent is software that an assists you, or acts on your behalf, in performing repetitive computer-related tasks.

Part II choose the best answer from the given alternatives of the following questions (1pts each)

1. Which protocol is used to link all the devices in the IoT (Internet of Thing)?
   A. TCP/IP C. UDP
   B. Network D. HTTP
2. What will Security provide?
   A. Saves time and cost C. Long term security
   B. Product life span increases D Secure remote management
3. All of the following accurately describe Hadoop, EXCEPT
   A. Open-source C. Java-based
   B. Real-time D. Distributed computing approach
4. Hadoop is a framework that works with a variety of related tools. Common cohorts include.
   A. MapReduce, Hive and HBase
   B. MapReduce, MySQL and Google Apps
   C. MapReduce, Hummer and Iguana
   D. MapReduce, Heron and Trumpet
5. One of the following is the current emerging technology except one?
   A. Artificial Intelligence C. Block-chain
   B. Cloud computing D. None
6. One of the following industrial revolutions fundamentally changed and transfer the world around us into modern society.
   A. The age of science and mass production
   B. The rise of digital technology
   C. Smart and autonomous systems fueled by data and machine learning.
   D. All

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7. One of the following is introduced or generated by in second industrial revolution?
   A. Internet
   B. Telegraph
   C. Electrical power and Telephones.
   D. B&C
   E. A&B
8. One of the following is the interconnecting of unlimited number computers, connectivity devices and cables those are used to share hardware, software and data from one device to another's.
   A. Logic devices
   B. Network
   C. Memory devices
   D. Microprocessor
9. One of the following is not the high profile of Artificial Intelligence?
   A. Prediction of judicial decisions
   B. Self-driving cars
   C. Spam filtering
   D. Proving mathematical theorems
   E. None
   F. Except "C"
10. One of the following is the re-structuring or re-ordering of data by people or machines to increase their usefulness and add values for a particular purpose.
   A. Data analyzing
   B. Data processing
   C. Data Accessing
   D. Data Requirement
11. One of the following is the main goal of Artificial Intelligence?
   A. Solving the difficult problem
   B. Replicate human intelligence
   C. learn new things by itself
   D. All
   E. None
12. One of the following is not common example of data type?
   A. Integer
   B. Float
   C. Text
   D. variable
13. _____ is a general term that describes the delivery of on-demand services, usually through the internet, on a pay-per-use basis.
   A. Check-Box
   B. Cloud Computing
   C. Augmented Reality
   D. Mixed Reality
14. One of the following is true about Artificial Intelligence in Data Security?
   A. The security of data is crucial for every company and cyber-attacks are growing very rapidly in the digital world
   B. AI is helping shoppers to discover associated products with recommended size, color, or even brand
   C. AI can automate grading so that the tutor can have more time to teach
   D. All

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15. One of the following is the type of Artificial intelligence based on the functionality except one?
   A. Reactive Machines
   B. Theory of Mind
   C. Self-Awareness
   D. General AI

Part III matching (1pts each questions)

COLUMN "A"	COLUMN "B"
1. Super Artificial Intelligence	A. SQL Database, MS-Access and MS-Excel
2. Industrial Revolution (IR 3.0)	B. To describe the information flow within a big data system.
3. Narrow Artificial Intelligence.	C. Perform any task better than a human with cognitive properties.
4. Semi-structured Data	D. The last category of data type
5. General Artificial Intelligence	E. It used to the ability to use input from sensors like Camera and Microphone
6. Structured data.	F. Digital Revolution
7. Industrial Revolution (IR 2.0)	G. The most common and currently available Artificial Intelligence
8. Metadata.	H. XML and JSON
9. Data value Chain.	I. Technological Revolution
10. Machine perception	J. Perform any intellectual task with efficiency like a human.

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Part IV Give the short answer for the following questions.

1. List out and discuss the characteristics of Big Data? (4pts)
   A. _____
   B. _____
   C. _____
   D. _____
2. List the characteristics of Hadoop(3pts)
   A. _____
   B. _____
   C. _____
   D. _____
3. List the advantage of Artificial Intelligence at least five? (5pts)
   A. _____
   B. _____
   C. _____
   D. _____
   E. _____

Part V Give brief description for the following questions

1. Give brief Explanation about the Big Data?(4pts)

   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____

2. Why we need artificial intelligence? (4pts)

   _____
   _____
   _____
   _____
   _____
   _____
   _____

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