

7. Which of the following is **not** an application of IoT?
- A. Wearable device
 - B. Smart Grid
 - C. Smart City
 - D. Adriano
8. Which of the following reality provides the ability to have one hand in the real world, and the other in an imaginary place, breaking down basic concepts between real and imaginary?
- A. Hybrid reality
 - B. Augmented reality
 - C. Virtual reality
 - D. All
9. Which one the following is **not** General ethical principles?
- A. Avoid harm
 - B. Be honest and trustworthy
 - C. Perform work only in areas of competence.
 - D. Respect privacy
10. Which definition best fits augmented reality?
- A. Technology that turns physical object into digital objects
 - B. Technology that completely immerses users in a new digital environment
 - C. Technology that overlays digital information on top of real world items
 - D. Technology that can achieve a human -level understanding of images
11. Which one of the following uses a Head-Mounted Display (HMD) that employs a video-mixing and displays the merged images on a closed-view HMD?
- A. Sensor
 - B. Optical see-through
 - C. Video see-through
 - D. GPS
12. Which one of the following is **not** risk area of emerging technology?
- A. Driverless car
 - B. Drones
 - C. Wearable's
 - D. Actuators
13. Which one of the following is negative aspect of IOT?
- A. Created new concern about privacy
 - B. It threatens to cut off people who lack access to it.
 - C. It has been hampered by spam and viruses
 - D. All
14. One of the following features of IOT makes virtually anything it enhances power of data collection, to use algorithms and networks?
- A. Connectivity
 - B. Sensors
 - C. Artificial intelligence
 - D. Active Engagement
15. Which one of the following is **not** augmented reality device in medicine?
- A. Handy ultrasound scanner
 - B. Eye decide App
 - C. Google translate
 - D. AUGmedics



Part I: Write 'True' if the statement is correct and 'False' if the statement is wrong.

1. IoT is the interaction of few computing devices through the Internet that enables the sending and receiving of useful data.
2. A position sensor is a device used for measuring the distance traveled by a body starting from the source?
3. Device hive is an example of both IOT tool and platform?
4. Adding real world information to computer generated environment is known as augmented Virtual Reality?
5. Network layer implements and presents the results of the data processing layer to accomplish disparate applications of IoT devices?

Part II: Multiple Choices

1. From the following one is **not** the important feature of IOT?
 - A. AI
 - B. Small device use
 - C. Passive engagement
 - D. Connectivity
2. _____ is a network of devices that can sense accumulate and transfer data over the internet without any human intervention?
 - A. Actuators
 - B. Augmented reality
 - C. Sensor
 - D. IOT
3. Which of the following challenge of IOT described by the sophistication of IoT provides substantial personal data in extreme detail without the user's active participation?
 - A. Flexibility
 - B. Agreement
 - C. privacy
 - D. Security
4. Which one of the following is **not** Application of augmented reality in Education?
 - A. Interactive lessons
 - B. Higher engagement
 - C. Higher retention
 - D. Navigation
5. Which of the following is **not** true about virtual reality?
 - A. Fully immersive
 - B. Computer simulated reality
 - C. Done using mobile apps
 - D. Done using wearable devices
6. According to the 2020 conceptual framework IOT is formulated as _____ ?
 - A. IOT=Service + Data +computer + Sensor
 - B. IOT=Service + Device +Network + Sensor
 - C. IOT=Service + Data +Network + Sensor
 - D. IOT=Service + Data +Network + Monitoring



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Part III: Matching.

- | | |
|-------------------------------|--------------------|
| 1. IoT Platform | A. Security |
| 2. AR application in medicine | B. Snapchat lenses |
| 3. Challenges of IOT | C. Zeta |
| 4. Augmented reality | D. Thingspeak |
| 5. Position sensors | E. GPS |
| | F. Arduino |
| | G. Accuvain |
| | H. smart locks |

Part IV Fill the blank

1. _____ is devices that can measure a physical quantity and convert it into signal, which can be read and interpreted by the microcontroller unit?
2. _____ is the protection of personally identifiable or business identifiable information that is collected from respondents through information collection activities or from other sources?
3. _____ Reality shows totally artificial environment apart from the real world?
4. IETF stands for _____?
5. _____ is the notions that have a right to exist freely on the internet and they can choose what types of information they are exposed to?

Part V Answer the following Question accordingly

- 1) Write the different types of sensors in IoT? (2 mark)
- 2) List at least four advantage and disadvantage of internet of things? (4 mark)
- 3) List all digital privacy principle? (2 mark)
- 4) List the major component of IoT architecture? (4 mark)
- 5) Write main blocks of first Augmented Reality Systems design? (3 mark)

