

Chapter 7:
Recent Trends on Technology
Multiple Choice Questions

1. Which characteristic of Artificial Intelligence allows a system to improve its performance based on experience?
 - a. Automation
 - b. Machine Learning
 - c. Networking
 - d. Data Mining
2. A robot used in manufacturing industries mainly improves:
 - a. Entertainment value
 - b. Speed, accuracy and efficiency of production
 - c. Internet connectivity
 - d. Human emotions
3. Which of the following cloud service models provides virtual machines, storage and networks to users?
 - a. SaaS
 - b. PaaS
 - c. IaaS
 - d. DaaS
4. Google Docs and Microsoft 365 are examples of:
 - a. Infrastructure as a Service
 - b. Platform as a Service
 - c. Software as a Service
 - d. Data as a Service
5. Big Data is commonly characterized by the "3 Vs". Which of the following is NOT one of them?
 - a. Volume
 - b. Velocity
 - c. Variety
 - d. Visibility
6. Which technology is primarily used to analyze patterns and extract useful information from Big Data?
 - a. Data Analytics
 - b. Operating System
 - c. Web Designing
 - d. Word Processing
7. Virtual Reality differs from Augmented Reality because VR:
 - a. Combines real and virtual objects
 - b. Creates a completely simulated environment
 - c. Uses only mobile devices
 - d. Does not require any hardware
8. Which of the following fields commonly uses Virtual Reality for training simulations?
 - a. Aviation training
 - b. Military training
 - c. medical surgery training
 - d. All of the above
9. Which of the following is the major security concern in cloud computing?
 - a. Data privacy and data loss
 - b. Slow typing speed
 - c. Keyboard failure
 - d. Screen resolution
10. A system where sensors collect data from devices and send it through the internet for processing is called:
 - a. Mobile computing
 - b. Cloud networking
 - c. Internet of Things
 - d. Virtual computing
11. Smart homes that automatically control lights, temperature and security are examples of:
 - a. Big Data systems
 - b. Virtual Reality systems
 - c. IoT applications
 - d. Mobile databases
12. Mobile computing mainly depends on which technology to maintain communication?
 - a. Wireless networks
 - b. Printer drivers
 - c. Optical disks
 - d. Local cables only
13. Which of the following is an example of e-governance in Nepal?
 - a. Online passport application system
 - b. Online shopping website
 - c. Online gaming platform
 - d. Music streaming service
14. Which of the following best describes e-medicine?
 - a. Online selling of medicines only
 - b. Medical consultation and healthcare services through digital communication
 - c. Laboratory experiment in computer
 - d. Medical books in PDF
15. The main advantage of IoT in smart agriculture is:
 - a. Automated monitoring of crops using sensors
 - b. Replacing farmers completely
 - c. Eliminating internet usage
 - d. Reducing computer storage