

# BCAians Nepal

## Group 'A'

Circle (○) the correct answer in the following questions.

[10\*1=10]

1. A network of physical objects or things embedded with electronics or softwares.  
a) AI              b) ML              c) IOT              d) Internet
2. RFID is a part of IoT.  
a) True              b) False
3. RFID stands for?  
a) Random frequency identification    b) Radio frequency identification  
c) Random frequency information    d) Radio frequency information
4. Which of the following is not involved in working of IoT?  
a) RFID              b) Sensor              c) Nano tech              d) Server
5. Making the smaller and smaller things have the ability to connect and interact.  
a) Micro Tech              b) Smart tech              c) Nano tech              d) RFID
6. The technology that has the ability to interact with the world.  
a) AI              b) ML              c) IOT              d) IT
7. Face recognition system is based on \_\_\_\_\_  
a) applied AI              b) parallel AI              c) serial AI              d) strong AI
8. It is a mediated environment which creates the sensation in a user of being present in a (physical) surrounding.  
a) WWW              b) VR              c) HMD              d) GUI
9. Saas stands for?  
a) Software as a service              b) System Software and services  
c) Software as a system              d) System as a service
10. \_\_\_\_\_ is a paradigm of distributed computing to provide the customers on-demand, utility based computing service.  
a) Remote Sensing              b) Remote Invocation  
c) Cloud Computing              d) Private Computing

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*Candidates are required to answer the question in their own words as far as practicable*

### **Group 'B'**

**Attempt any six**

**[6\*5=30]**

1. What is computer software? Explain the system software and application software with example.
2. What is printer ? Explain its various types.
3. What is DBMS ? What are the various functions of DBMS Explain.
4. What are data warehouse and data mining ? Explain briefly the technologies used in data mining ?
5. Explain the relationship between intranets, extranets and e-commerce.
6. Write short notes on:-
  - a. Bitcoin
  - b. e-commerce
  - c. e-governance
  - d. Artificial Intelligence
  - e. robotics
7. Discuss different types of operating systems on the basis of processing method.

### **Group 'C'**

**Attempt any two questions:**

**[2\*10=20]**

1. What do you mean by mail merge? write down step by steps procedures to create mail merge .
2. Define what-if analysis? Explain its process with example.
3. What are the steps of creating a basic animation in Photoshop ? Also write the steps of restoring an old image.

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