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Introduction to Emerging Technology Final Exam for Pharmacy 1st year Student.

Maximum Score: 50%

Time Allowed: 1:45 Hr

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Dep't pharmacy

Section_____ Year_____

General Directions

☞ Please make sure the exam has 4 parts and 4 pages including the cover page.

☞ Any material in to the exam room is not allowed unless permitted by course instructor.

☞ Any kind of attempts to Cheating is strictly forbidden and it will lead you academic dismissal.

☞ Please switch off your mobile phone until the end of the exam.

Part I. Write True if the statement is true and false if the statement is False (2pts each).

True 1. Expert systems can exhibit intelligent behavior with the capability to learn, Demonstrate, explain and advice its users.

False 2. Chat-bots and robo-advisors are examples of rule-based Systems.

False 3. AI machines are more intelligent than human beings.   **10**

False 4. IOT devices have international standard that enables to communicate with each Other.

True 5. Unlike VR, AR, integrate digital information on the existing environment.

Part II. Choose the correct answer among the given alternatives and write the letter of your choice on the space provided. (2pts each)

D 1. Which of the following statement is **not true** about the weaknesses of AI?
   A. AI machines can accomplish every task away from which they are programmed.
   B. With the increase of technology mental creativity and dependency of peoples on Devices decreases.
   C. AI machines has no emotions and original creativity   D. A&B   E. All

A 2. Which of the following statement is **correct**?
   A. Limited memory machines can store past experiences or some data for a Short period of time.
   B. Reactive Machines store memories or experiences for future actions.

C Narrow AI is the most common currently available AI in the world and it can perform tasks beyond its field.   D. All.   E. None

3. Which of the following is correctly matched?
A. What is happening now? → Notification   C. What do I need to know → perception
B. What do I need to do right know? → Situational Awareness   D. All   E. None

4. Which of the following statement is correct about IOT?
A. IoT devices do most of the work with human intervention.
B. There is no international standard of compatibility for IOT devices.
C. As the number of connected devices increases the potential that a hacker could steal confidential information decrease.   D. A&B   E. All.

5. Which of the following is the most important features of IOT?
A. AI   B Connectivity   C. Sensors   D Active Engagement   E. All

6. Which of the following layers of IOT is responsible to identify any phenomena in the devices' peripheral and obtain data from the real world.
A Data Processing Layer
B. Network Layer
C. Sensing Layer
D. Application Layer   E .None

7. Which of the following statement is correct about AR, VR and MR?
A. In MR the synthetic content and the real-world content are able to react Each other in real-time.
B. VR is a live view of a physical real-world environment
C. AR is a computer-simulated reality.   D. All   E. None

8. Which of the following is not true about the limitations of Artificial Intelligence?
A. Can't think out of the box   C. No feelings and emotions
B. No Original Creativity   D. None

9. Which of the following is influencers of Artificial Intelligence?
A. Big-Data   C. Cloud Computing
B. Data Science   D. Computer processing power   E. All   20

10. _____ is a machine that has a capability of reasoning, learning and problem solving.
A. IOT   B. AI   C. AR   D. MR   E. None

Part III: Give short and precise answer for the following questions and write your answer on the space provided.

1. AI machines are highly **Reliable**. What does it mean Explain Briefly? (2pts)

→ Highly reliebie-means that AI machines are very dependemble and it has high Accuracy, can do performance with high accuracy and fewer errors.

2. What is the difference between **Security and Privacy** Explain Briefly? (2pts)

security→ an ecosystem of Iot that are with prevention and it exposure to various kind of Attacker.

privacy- it is a detailed expression of single data without active participation.