

- (viii) Connect the keyword, UTXO stands for
- | | |
|-------------------------------|-------------------------------|
| a) Unspent Transaction Office | b) United Transaction Office |
| c) United Transaction Output | d) Unspent Transaction Output |
- (ix) Predict which of the following topology is used for ZigBee Smart Energy
- | | |
|------------------|------------------|
| a) Bus Topology | b) Ring Topology |
| c) Star Topology | d) Any Topology |
- (x) Justify which of the following protocols does not exist at the data link layer
- | | |
|------------------------|----------------|
| a) ZigBee Smart Energy | b) LoRaWAN |
| c) WirelessHART | d) Secure MQTT |
- (xi) Write Augmented reality refers to
- | | |
|---|---|
| a) Our increased ability to better understand our situations thanks to easy internet search | b) How we lose track of time when we are engrossed in video games |
| c) Digital overlays of information onto a screen that is showing the real world | d) Increased capacities for the disabled thanks to digital technologies |
- (xii) Propose, which of the following algorithm is used in AR
- | | |
|-----------|------------|
| a) Markov | b) Ransac |
| c) PCA | d) Apriori |
- (xiii) Recognize, which search method takes less memory
- | | |
|-----------------------|-------------------------|
| a) Depth-First Search | b) Breadth-First search |
| c) Linear Search | d) Optimal search |
- (xiv) Match the correct word to fits in the statement, ___ is a state that is better than all its neighboring states but is not better than some other states further away
- | | |
|-------------------|-------------------------|
| a) Plateau | b) Local Maximum |
| c) Global Maximum | d) All of the Mentioned |
- (xv) Tell, what is the expansion if PEAS in task environment
- | | |
|---|--|
| a) Peer, Environment, Actuators, Sense | b) Perceiving, Environment, Actuators, Sensors |
| c) Performance, Environment, Actuators, Sensors | d) None of the Mentioned |

Group-B

(Short Answer Type Questions)

3 x 5=15

- | | |
|--|-----|
| 2. Cite the main Features of the Hill Climbing Algorithm | (3) |
| 3. Illustrate why is Natural Language Processing Important | (3) |
| 4. Explain why to use Unsupervised Learning | (3) |
| 5. Express something about Blockchain Hashing | (3) |

OR

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|--|-----|
| Create a note on Augmented Reality Relies On Artificial Intelligence | (3) |
| 6. Explain what is Blockchain | (3) |

OR

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|---|-----|
| Explain three different types of probable attacks in the Bitcoin system | (3) |
|---|-----|

Group-C

(Long Answer Type Questions)

5 x 6=30

- | | |
|--|-----|
| 7. Visualize the Tic-Tac-Toe game tree with an example and diagram | (5) |
| 8. Organize Six Key Characteristics of the Internet of Things | (5) |
| 9. Discuss the Life cycle of Machine learning | (5) |
| 10. Construct how Natural Language Processing Work with a diagram | (5) |
| 11. Editorialize some notes on the security threats of IoT in the Industry | (5) |

OR

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|--|-----|
| Justify the use of Python in the IoT Backend | (5) |
| 12. Analyze the Functional Components of IoT | (5) |

OR
