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SECTION A

Q1.

ANS.

- Which one is NOT the feature of Robot?

None.

Q2.

ANS.

- Robotics have active contributions from

All of the given.

Q3.

ANS.

- In ANNs, MSE is known as

Mean Squared error.

Q4.

ANS.

- Which one is the advantage of Neural Network.

Good for generalization

Q5.

ANS.

- A single layer perceptron cannot perform pattern classification on linearly separable patterns.

False

Q6.

ANS.

- The soma and the enclosed nucleus in neuron play a significant role in the processing of incoming and outgoing data.

False

Q7.

ANS.

- The Entropy is 1 when the collection contains number of positive examples to/than negative examples.

Equal

Q8.

ANS.

- Inductive learning is based on the knowledge that if something happens a lot it is likely to be generally

True.

Q9.

ANS.

- Which statement about learning is true:

All of the given

Q10.

ANS.

- Inductive learning is based on the knowledge that if something happens a lot it is likely to be generally

True.

Q11.

ANS.

- Machine learning typically follows phases according to Finlay.

Q12.

ANS.

- The most popular defuzzification method is the centroid calculation.

True

Q13.

ANS.

- is the process by which the fuzzy sets that represent the outputs of each rule are combined into a single fuzzy set.

Aggregation

Q15.

ANS.

- If there are multiple parts to the antecedent, apply fuzzy logic number between 0 and 1. and resolve the antecedent to a single

Operators.

Q16.

ANS.

- Reasoning in fuzzy logic is just a matter of generalizing the familiar logic.

Computer vision, Artificial Intelligence

Q17.

ANS.

- Each neuron in the hidden layer is responsible for a different.

Line

Q20.

ANS.

- is the process of formulating the mapping from a given input to an output using Fuzzy logic.

FIS.

Q21.

ANS.

- *Fuzzy logic is a superset of*

Conventional

Q22.

ANS.

- *We can get optimal solution given some parameters using Genetic Algorithm.*

True

Q23.

ANS.

- Reasoning is based on forming, or inducing a „generalization“ from a limited set of observations.

Inductive

Q24.

ANS.

- is the process of deriving logical conclusions from given Facts.

Reasoning

Q25.

ANS.

- Identify the correct step used to start design of an expert system.

Feasibility study

Q26.

ANS.

- Any statement can be fuzzy

True.

Q27.

ANS.

- If the antecedent is only partially true, then the output fuzzy set is truncated according to the method

Implication.

Q28.

ANS.

- Choose the fields in which Fuzzy inference systems have been successfully applied:

All of the given

Q29.

ANS.

- The degree of truth that we have been talking about is specifically driven out by a function called the function.

Membership

Q30.

ANS.

- The tractable problems are further divided into structured and problems

Complex.

SECTION B

Q1.

Different between supervised and unsupervised learning

ANS.

Supervised Learning:

- The method where involves the training of the Machines. The machine supervised by training data sets according to the system requirements target tasks.
- In supervised Machine have both available System input and output.
- In supervised Learning use Naive Bayes Algorithm for new inputs enter into the model.

Unsupervised Learning:

- The method in which the Machine does not involves the training data which does not reach their target output, the machine is learn by its own thoughts determined adapting according to the structural in the inputs pattern.
- In Unsupervised Learning Machine only available input.
- In Unsupervised Learning Machine use K-mean Algorithm.

Q2.

Acquisition techniques

ANS.

- **Protocol Analysis Technique**
 - **Protocol generation Technique**
 - **Face to Face Interview Technique**
-
- **Protocol Analysis Technique**
 - This process is used to identify the type of knowledge like goals, decision, relationship etc...
 - **Protocol generation Technique**
 - This process is include various types of interviews like structured, semi structured and unstructured.
 - **Face to Face Interview Technique**
 - This process is most common technique is use for Face to Face interviews.
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Q3.

Components of AI cycle which re best closed coupled:

ANS.

- General components of AI cycle are following.
 - Knowledge Representation
 - Reasoning it's is because due to intrinsically tied to each other closely.
-

Q4.

ANS.

Neural network resemble the human brain

- In human brains have synapse where neurons are interconnected where stored in memory.
- The complexity perspective of human brain have 100 billion re connected with 10,000 other neurons so the neural network resemble the human brain.

Q5.

ANS.

Fuzzy statement in everyday life:

1. Ali is takes a lot of time in their class quiz.
2. Ali telling the truth even he was not present at the time of Accident.
3. The expression is new home assuming that the home is new but it's not made from faver material.

-----THE END-----

