AI Unit Test TYCS Aug 21

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TYCS

Artificial Intelligence is a way of making a computer, a computer-controlled _____, or a software think intelligently *

○ Robot

○ Hardware

○ Network

○ Database

Following is not an application of AI *

○ Gaming

○ Expert Systems

○ Natural language processing

○ Cloud Computing

A spying aeroplane takes photographs, which are used to figure out spatial information or map of the areas. This refers to- *

(●) AI Vision System

(○) AI GPS based System

(○) AI Clustering System

(○) None of the above

Police use computer software that can recognize the face of criminal with the stored portrait made by forensic artist. This mechanism refers to- *

(●) Pattern Recognition and Training

(○) Pattern Recognition Only

(○) Classification Only

(○) Classification and Training

_____ can recognize the shapes of the letters and convert it into editable text. *

○ Simple reflex Agent

○ Clustering

○ Pattern Matching

◉ Handwriting Recognition

The ability to speak, recognize, and use mechanisms of phonology, syntax, and semantics is called Language Intelligence. State True or False *

○ true

◉ false

Which of the following is not a part of Intelligence ? *

○ Reasoning

○ Learning

◉ Searching

○ Problem solving

"Sunita is a teacher. Sunita is studious. Therefore, All teachers are studious." This statement refers to- *

○ Logical Reasoning

◉ Inductive Reasoning

○ Imbibed Reasoning

○ Deductive Reasoning

"All women of age above 60 years are grandmothers. Shalini is 65 years. Therefore, Shalini is a grandmother." This statement is an example of - *

○ Semantic Reasoning

○ Logical Reasoning

○ Inductive Reasoning

◉ Deductive Reasoning

_____is the activity of gaining knowledge or skill by studying, practising, being taught, or experiencing something *

○ Testing

○ Exploring

◉ Learning

○ Analytical Thinking

_____ is the process in which one perceives and tries to arrive at a desired solution from a present situation by taking some path, which is blocked by known or unknown hurdles. *

○ Effective Learning

⦿ Problem Solving

○ Searching

○ None of the above

Perceptionis the process of _____,_____,_____ and _____ sensory information. *

○ Acquiring, selecting, evaluating, and captivating

○ Sensing, reflexing, discovering and interpreting

○ Collecting, exploring, analysing and evaluating

⦿ acquiring, interpreting, selecting, and organizing

Following is an application of NLP- *

○ Google Now

○ Speech recognition

○ Voice Search

● All of the above

An agent is anything that can perceive its environment through _____ and acts upon that environment through _____. *

○ Effectors, sensors

○ Actuators, sensors

○ Sensors, Controllers

● Sensors, effectors

Cameras and infra red for sensors and movement motors are the attributes of *

○ Machine Learning Agent

○ AI Agent

○ Software Agent

◉ Robotic Agent

How Happy I am - is an attribute of the following agent *

○ Goal based Agent

○ Simple reflex Agent

○ Model based Agent

◉ Utility based Agent

_____ refers to - one real and other artificial agents being tested on equal ground. *

○ Validation Testing

○ Performance Testing

○ Comparative Analysis

● Turing Test

Chess Game playing environment is an example of discrete Environment. State True or False. *

● True

○ False

Car Driving is an example of _____ type of Environment or State. *

◯ Non observable

◯ Static

◯ Discrete

◉ Continuous

'Steve goes to the supermarket, He goes to the grocery section in the supermarket. He then picks up some Vegetables. He goes to the payment counter and stands in the queue. Finally he pays for his purchase. Steve leaves out the supermarket showing the bill at the exit gate.' What type of Environment is Steve playing in? *

◯ Non Deterministic

◉ Deterministic

◯ Homogeneous

◯ Inaccessible

Problem Solving Agent is a type of - *

○ Utility based Agent

○ Simple Reflex

○ Model based Agent

◉ Goal based Agent

BFS uses the following Data Structure Approach to perform Problem Solving by Searching. *

○ Stack

○ Ordered List

○ Hash table

◉ Queue

Depth limited search is complete if - *

○ l = d

○ l > d

⦿ l < d

○ l = 1

Climbing on a mountain peak with fog and amnesia will result in getting stucked at a peak lower than highest. This analogy is termed in Problem Solving as- *

⦿ Local maxima

○ Local Optima

○ Global minima

○ Global maxima

The Time Complexity of BFS is *

○ O(b^d+1)

○ O(b)

○ O(bm)

○ O(b^d)

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