

National Testing Agency

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Artificial Intelligence

Group Number :	1
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Artificial Intelligence-1

Section Id :	94091861
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory

Number of Questions :	100
Number of Questions to be attempted :	100
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	940918104
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 9409182020 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

While representing the statement "Sarita wrote an essay with pencil" requires

1. Destination case
2. Recipient case
3. Instrument
4. All of these

Options :

9409187045. 1

9409187046. 2

9409187047. 3

9409187048. 4

Question Number : 2 Question Id : 9409182021 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In Genetic Algorithm when we use a partial map crossover, once the children have the partial part from one parent, the rest is

1. picked up from another parent
2. picked up from the same parent
3. picked up based on random mapping
4. none of these

Options :

9409187049. 1

9409187050. 2

9409187051. 3

9409187052. 4

Question Number : 3 Question Id : 9409182022 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A heuristic function which traps the search process in the local maxima is a _____ heuristic function

1. Global
2. Local
3. Good
4. Fast

Options :

9409187053. 1

9409187054. 2

9409187055. 3

9409187056. 4

Question Number : 4 Question Id : 9409182023 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

During the winding part the MiniMax algorithm used for two player game playing involves in

1. Tree exploration
2. Applying static evaluation function
3. Accumulate path and SEF values
4. All of these

Options :

9409187057. 1

9409187058. 2

9409187059. 3

9409187060. 4

Question Number : 5 Question Id : 9409182024 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

One of the two common questions about heuristic function is

1. How to have such function
2. How to calculate the value
3. How to compare values of two different states
4. All of these

Options :

9409187061. 1

9409187062. 2

9409187063. 3

9409187064. 4

Question Number : 6 Question Id : 9409182025 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is not needed in BFS, though is an essential part of DFS?

1. Exploration
2. Picking up next node to explore
3. Backtracking
4. None of above

Options :

9409187065. 1

9409187066. 2

9409187067. 3

9409187068. 4

Question Number : 7 Question Id : 9409182026 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When it is likely to reach a dead end and there is no possibility of going back, _____ is better

1. Variable neighborhood descend
2. Tabu search
3. Beam search
4. All of these

Options :

9409187069. 1

9409187070. 2

9409187071. 3

9409187072. 4

Question Number : 8 Question Id : 9409182027 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When an action removes the predicate of a causal link, it is known to have _____ the link

1. Deleted
2. Declobbered
3. Clobbered
4. Strengthened

Options :

9409187073. 1

9409187074. 2

9409187075. 3

9409187076. 4

Question Number : 9 Question Id : 9409182028 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When the goal components are dependent on each other, the goal components results into

1. no solution
2. changing one changes another
3. changing one changes goal state
4. changing one changes start state

Options :

9409187077. 1

9409187078. 2

9409187079. 3

9409187080. 4

Question Number : 10 Question Id : 9409182029 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

An action chosen in PSP can be added

1. After the current state
2. Before the current state
3. Anywhere in the plan
4. At the end of the plan

Options :

9409187081. 1

9409187082. 2

9409187083. 3

9409187084. 4

Question Number : 11 Question Id : 9409182030 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In a two player game, each alternate layers are related to

1. different heuristic functions
2. different search algorithms
3. different players
4. All of these

Options :

9409187085. 1

9409187086. 2

9409187087. 3

9409187088. 4

Question Number : 12 Question Id : 9409182031 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Success and failure in a game playing problem are

1. Not defined
2. Clearly defined
3. Difficult to decide
4. Important goals for the designer

Options :

9409187089. 1

9409187090. 2

9409187091. 3

9409187092. 4

Question Number : 13 Question Id : 9409182032 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Every recursive procedure contains _____ part

1. Starting criteria
2. Iterative call
3. Winding
4. Calculations

Options :

9409187093. 1

9409187094. 2

9409187095. 3

9409187096. 4

Question Number : 14 Question Id : 9409182033 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The resolution process requires _____ of the statement to be proved

1. Clausal form
2. Negative clausal form
3. Predicate statement
4. Quantification

Options :

9409187097. 1

9409187098. 2

9409187099. 3

9409187100. 4

Question Number : 15 Question Id : 9409182034 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

While converting to clausal form, the implication is removed using a conversion _____

1. $A \rightarrow B$ is same as $B \rightarrow A$
2. $A \rightarrow B$ is same as $A = B$
3. $A \rightarrow B$ is same as $\sim AVB$
4. $A \rightarrow B$ is same as $A \& \& B$

Options :

9409187101. 1

9409187102. 2

9409187103. 3

9409187104. 4

Question Number : 16 Question Id : 9409182035 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When we resolve $\text{Man}(\text{Ramji})$ with $\text{not Man}(X) \vee \text{Person}(X)$, $\text{Person}(X)$ becomes

1. $\text{Person}(Y)$
2. $\text{Person}(X)$
3. $\text{Person}(\text{Ramji})$
4. None of these

Options :

9409187105. 1

9409187106. 2

9409187107. 3

9409187108. 4

Question Number : 17 Question Id : 9409182036 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In the NMRS, the out-list contains statements

1. Which are always false
2. Which are true once
3. Which are there because some other true statements need them to be false
4. All of above

Options :

9409187109. 1

9409187110. 2

9409187111. 3

9409187112. 4

Question Number : 18 Question Id : 9409182037 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Statements like "Very well designed" indicates_____

1. Valid range
2. Expert's opinion which is vague
3. Vague Personal perception
4. Invalid range

Options :

9409187113. 1

9409187114. 2

9409187115. 3

9409187116. 4

Question Number : 19 Question Id : 9409182038 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The process of assuming most of the things true unless known to the contrary is known as

1. Assumption
2. Default assumption
3. Premise
4. Circumscription

Options :

9409187117. 1

9409187118. 2

9409187119. 3

9409187120. 4

Question Number : 20 Question Id : 9409182039 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Average number of children for the nodes of the tree is known as _____

1. Degree of children
2. Branching factor
3. Branches
4. Population

Options :

9409187121. 1

9409187122. 2

9409187123. 3

9409187124. 4

Question Number : 21 Question Id : 9409182040 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Unguided search is about searching without

1. Any rules
2. State space
3. Strategy
4. Heuristics

Options :

9409187125. 1

9409187126. 2

9409187127. 3

9409187128. 4

Question Number : 22 Question Id : 9409182041 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Generate and Test is futile when

1. There is no heuristic
2. Search space is too large
3. There are no rules
4. All of these

Options :

9409187129. 1

9409187130. 2

9409187131. 3

9409187132. 4

Question Number : 23 Question Id : 9409182042 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When the solution space is searched instead of a state space, each of the nodes contains

1. A path
2. A solution
3. A state
4. None of these

Options :

9409187133. 1

9409187134. 2

9409187135. 3

9409187136. 4

Question Number : 24 Question Id : 9409182043 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

During the hill climbing process when all children have same value as parent, the situation is known as

1. Steepest ascent
2. Plateau
3. Local Minima
4. Infinite loop

Options :

9409187137. 1

9409187138. 2

9409187139. 3

9409187140. 4

Question Number : 25 Question Id : 9409182044 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

At any given point in time, if the best first search finds the explored node list empty, what should it do?

1. Backtrack
2. Report optimal solution
3. Report failure
4. Continue from unexplored list

Options :

9409187141. 1

9409187142. 2

9409187143. 3

9409187144. 4

Question Number : 26 Question Id : 9409182045 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Refinement search requires multiple trees with

1. Different cities as root node
2. Same city as root node
3. Nearest cities as root node
4. None of these

Options :

9409187145. 1

9409187146. 2

9409187147. 3

9409187148. 4

Question Number : 27 Question Id : 9409182046 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If there are two ants who found the food source, it is the shorter path travelled by the one ant will have more pheromone because

1. Ants travel at constant speed
2. Ants deposit pheromone at constant speed
3. The pheromone is evaporated at constant speed
4. All of these

Options :

9409187149. 1

9409187150. 2

9409187151. 3

9409187152. 4

Question Number : 28 Question Id : 9409182047 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The Deep Blue had _____ SEF Components

1. 7000
2. 8000
3. 9000
4. 10000

Options :

9409187153. 1

9409187154. 2

9409187155. 3

9409187156. 4

Question Number : 29 Question Id : 9409182048 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When is the backpropagation unnecessary?

1. The values are not improving
2. We are not getting a better path
3. There are no children to explore
4. All of these

Options :

9409187157. 1

9409187158. 2

9409187159. 3

9409187160. 4

Question Number : 30 Question Id : 9409182049 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In best first search the value g indicates

1. An estimate from the start node to current node
2. An estimate from current node to goal node
3. The distance from current node to goal node
4. The distance from start node to current node

Options :

9409187161. 1

9409187162. 2

9409187163. 3

9409187164. 4

Question Number : 31 Question Id : 9409182050 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The process for choosing a move in a two player game is

1. Done in two phases
2. Done after finding backs values from leaves
3. Done to generates a game tree with a specific height
4. All of these

Options :

9409187165. 1

9409187166. 2

9409187167. 3

9409187168. 4

Question Number : 32 Question Id : 9409182051 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In concept learning, the hypothesis is tested with

1. The actual data
2. Problems
3. Assumptions
4. All of these

Options :

9409187169. 1

9409187170. 2

9409187171. 3

9409187172. 4

Question Number : 33 Question Id : 9409182052 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Mission critical expert systems have additional burden on them to _____

1. Do things right
2. Do things in real time
3. Do things as per expert's opinion
4. Check before running

Options :

9409187173. 1

9409187174. 2

9409187175. 3

9409187176. 4

Question Number : 34 Question Id : 9409182053 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In N-fold validation, the training and testing sets are

1. Derived from the same data
2. Derived from different data
3. Designed separately
4. All of these

Options :

9409187177. 1

9409187178. 2

9409187179. 3

9409187180. 4

Question Number : 35 Question Id : 9409182054 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In the first representation of the Farmer Fox Chicken Grain Problem, what does the following indicates? $((A=Fr) \ \&\& \ \sim(\sim B=Fx \ \&\& \ \sim C=Ch) \ \&\& \ \sim(\sim B=Ch \ \&\& \ \sim C=Gr))$

1. For the other side of the river where farmer is not around, the conditions must hold true
2. For the side where farmer is around the conditions may not be true
3. The conditions must hold under any circumstances
4. None of these

Options :

- 9409187181. 1
- 9409187182. 2
- 9409187183. 3
- 9409187184. 4

Question Number : 36 Question Id : 9409182055 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Two important components needed for any game playing program are

1. Start and end state
2. PMG and SEF
3. Parallel processing
4. Human approach

Options :

- 9409187185. 1
- 9409187186. 2
- 9409187187. 3
- 9409187188. 4

Question Number : 37 Question Id : 9409182056 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The central position is the best, to begin with, in Tic Tac Toe. Why

1. Opponent cannot defeat us
2. We have maximum options
3. Highest heuristic value
4. Opponent is confused

Options :

9409187189. 1

9409187190. 2

9409187191. 3

9409187192. 4

Question Number : 38 Question Id : 9409182057 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When the objectives change the planning process

1. Follows them
2. Might changes entirely
3. Might have an altogether different solution
4. All of these

Options :

9409187193. 1

9409187194. 2

9409187195. 3

9409187196. 4

Question Number : 39 Question Id : 9409182058 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A relevant forward action allows

1. Move from start state to end state
2. Move back from end state to start state
3. Move to the previous node have more resemblance to goal state
4. Move to next node have more resemblance to goal state

Options :

9409187197. 1

9409187198. 2

9409187199. 3

9409187200. 4

Question Number : 40 Question Id : 9409182059 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For optimal solution, the GSP subgoals must be

1. In order
2. Sequential
3. Independent
4. Dependent

Options :

9409187201. 1

9409187202. 2

9409187203. 3

9409187204. 4

Question Number : 41 Question Id : 9409182060 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A critical component of formalization in ES Design is the _____ of the user

1. Ability
2. Cooperation
3. Knowledge
4. Expectation

Options :

9409187205. 1

9409187206. 2

9409187207. 3

9409187208. 4

Question Number : 42 Question Id : 9409182061 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Support planning is primarily used for

1. Support the system
2. Support the customer
3. Help users solving problems not seen before
4. Check the test cases

Options :

9409187209. 1

9409187210. 2

9409187211. 3

9409187212. 4

Question Number : 43 Question Id : 9409182062 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The input forms of ES should mimic

1. Conventional input forms
2. The ES reports
3. Expert's consultation model
4. Everything that an expert need

Options :

9409187213. 1

9409187214. 2

9409187215. 3

9409187216. 4

Question Number : 44 Question Id : 9409182063 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For ES to be successful, _____ is encouraged

1. Rapid prototyping
2. Change at rapid prototyping phase
3. The expert's complete involvement
4. All of these

Options :

9409187217. 1

9409187218. 2

9409187219. 3

9409187220. 4

Question Number : 45 Question Id : 9409182064 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

One of the important question to be asked before considering the task as an expert task is

1. Is it adding enough value for enough time?
2. Does the task require inexact information?
3. Is the problem possible to be solved only by expert consultation?
4. All of these

Options :

9409187221. 1

9409187222. 2

9409187223. 3

9409187224. 4

Question Number : 46 Question Id : 9409182065 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The KE should help expert with _____

1. Design the data structure
2. Decide which information is useful for expert's to analyze
3. Write routines to aggregate, summarize and correlate the information
4. All of these

Options :

9409187225. 1

9409187226. 2

9409187227. 3

9409187228. 4

Question Number : 47 Question Id : 9409182066 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Hard constraints are

1. Related to hardware
2. Constraint which can be relaxed
3. Preferences
4. Constraints not possible to be relaxed

Options :

9409187229. 1

9409187230. 2

9409187231. 3

9409187232. 4

Question Number : 48 Question Id : 9409182067 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In the 8 puzzle problem, it is possible to clearly decide the state once we decide the sequence of moves. That means it is a problem where

1. The complete world is visible
2. The simple planning is possible
3. The universe is predictable
4. All of these

Options :

9409187233. 1

9409187234. 2

9409187235. 3

9409187236. 4

Question Number : 49 Question Id : 9409182068 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

One of the objectives of Intrusion detection system is

1. Confirm the attack
2. Check for possibility of fork
3. Attack the attacker
4. Identify the attacker

Options :

9409187237. 1

9409187238. 2

9409187239. 3

9409187240. 4

Question Number : 50 Question Id : 9409182069 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Progression is relevant if

1. New state resembles more with start state
2. New state resembles more with goal state
3. The component added are not there in goal state
4. The component deleted are there in goal state

Options :

9409187241. 1

9409187242. 2

9409187243. 3

9409187244. 4

Question Number : 51 Question Id : 9409182070 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Progression and regression

1. Is based on heuristics
2. Have nothing to do with heuristics
3. Can be used with heuristics
4. None of these

Options :

9409187245. 1

9409187246. 2

9409187247. 3

9409187248. 4

Question Number : 52 Question Id : 9409182071 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The deletions in the PDDL describes

1. The removal of a component in the new state
2. Deletion in the rule
3. Deletion from the goal state to reach to start state
4. Deletion from the start state to reach to end state

Options :

9409187249. 1

9409187250. 2

9409187251. 3

9409187252. 4

Question Number : 53 Question Id : 9409182072 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Given below are two statements

If we have following, what can we prove?

Statement I: Jagdish is an Operator

Statement II: Operators are present in all labs

In light of the above statements, choose the **most appropriate** answer from the options given below

1. Jagdish is present in all labs
2. Jagdish is present in one lab
3. Jagdish is present in some labs
4. None of these

Options :

9409187253. 1

9409187254. 2

9409187255. 3

9409187256. 4

Question Number : 54 Question Id : 9409182073 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

There are multiple ways in which we can____ in predicate logic

1. Represent knowledge
2. Write predicate arguments
3. Use the predicate
4. Write rules

Options :

9409187257. 1

9409187258. 2

9409187259. 3

9409187260. 4

Question Number : 55 Question Id : 9409182074 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A physical symbol system is capable of

1. Inferring
2. Structuring
3. Intelligent action
4. All of these

Options :

9409187261. 1

9409187262. 2

9409187263. 3

9409187264. 4

Question Number : 56 Question Id : 9409182075 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The predicates connected with \vee are to be

1. Kept as it is
2. Converted to AND
3. Changed to predicate without universal quantifier
4. Kept as separate statements

Options :

9409187265. 1

9409187266. 2

9409187267. 3

9409187268. 4

Question Number : 57 Question Id : 9409182076 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The _____ indicates that the resolution process completed successfully

1. Predicate
2. TRUE
3. Null statement
4. Any one of these

Options :

9409187269. 1

9409187270. 2

9409187271. 3

9409187272. 4

Question Number : 58 Question Id : 9409182077 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

not ((for all X) Predicate) =

1. Predicate
2. not ((there exists) Predicate)
3. (there exists) not Predicate
4. not(not(Predicate))

Options :

9409187273. 1

9409187274. 2

9409187275. 3

9409187276. 4

Question Number : 59 Question Id : 9409182078 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The fuzzy variables are quantified by inputs from

1. Humans
2. Sensors
3. Rules
4. Fuzzy sets

Options :

9409187277. 1

9409187278. 2

9409187279. 3

9409187280. 4

Question Number : 60 Question Id : 9409182079 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Frames support_____

1. Class
2. Object
3. Multiple inheritance
4. All of these

Options :

9409187281. 1

9409187282. 2

9409187283. 3

9409187284. 4

Question Number : 61 Question Id : 9409182080 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The problem with fuzzy word like *dirty* is that

1. It is not possible to understand
2. It is not easy to quantify
3. Different people quantify it differently
4. No algorithm for quantification

Options :

9409187285. 1

9409187286. 2

9409187287. 3

9409187288. 4

Question Number : 62 Question Id : 9409182081 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The conceptualization is

1. The idea of the statement
2. The English meaning of the statement
3. A conceptual entity
4. All of these

Options :

9409187289. 1

9409187290. 2

9409187291. 3

9409187292. 4

Question Number : 63 Question Id : 9409182082 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The word 'throw' requires _____ action primitive(s)

1. PTRANS
2. PROPEL
3. MOVE
4. All of above

Options :

9409187293. 1

9409187294. 2

9409187295. 3

9409187296. 4

Question Number : 64 Question Id : 9409182083 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The CD representation

1. Is free from words used in the statement
2. Is free from the language
3. Might contain information not present in the statement
4. All of these

Options :

9409187297. 1

9409187298. 2

9409187299. 3

9409187300. 4

Question Number : 65 Question Id : 9409182084 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When we have beta cutoff as 5 and at minimizing ply we get value 6

1. We will stop further exploration
2. We will improve the alpha value
3. We will not do anything
4. We will improve beta value

Options :

9409187301. 1

9409187302. 2

9409187303. 3

9409187304. 4

Question Number : 66 Question Id : 9409182085 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The alpha beta cutoff works the best when

1. The game playing algorithm is good
2. Branching factor is high
3. Ordering is better
4. All of these

Options :

9409187305. 1

9409187306. 2

9409187307. 3

9409187308. 4

Question Number : 67 Question Id : 9409182086 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When we have alpha cutoff as 5 and at maximizing ply we get value 6

1. We will stop further exploration
2. We will improve the alpha value
3. We will not do anything
4. We will improve beta value

Options :

9409187309. 1

9409187310. 2

9409187311. 3

9409187312. 4

Question Number : 68 Question Id : 9409182087 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The path of the solution to the missionary cannibal problem depends on choosing

1. M1 and C1 values
2. M and C values
3. M2 and C2 values
4. BL or BR values

Options :

9409187313. 1

9409187314. 2

9409187315. 3

9409187316. 4

Question Number : 69 Question Id : 9409182088 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Each solution in SSS* is known as a

1. Cut off
2. Result
3. Strategy
4. All of these

Options :

9409187317. 1

9409187318. 2

9409187319. 3

9409187320. 4

Question Number : 70 Question Id : 9409182089 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When we use moves which are predetermined for each simple move the opponent is likely to play, it is known as

1. Book moves
2. Opponent moves
3. Fixed moves
4. Predetermined moves

Options :

9409187321. 1

9409187322. 2

9409187323. 3

9409187324. 4

Question Number : 71 Question Id : 9409182090 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Mimicking human behavior of matching with the previous incident of similar type to solve a typical problem is known as

1. Neural networks
2. Genetic algorithm
3. Case-based learning
4. AI technique

Options :

9409187325. 1

9409187326. 2

9409187327. 3

9409187328. 4

Question Number : 72 Question Id : 9409182091 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The ability of the system getting correct answer despite the user providing incorrect data as some part of the input is known as?

1. Incorrect answer
2. Fault tolerance
3. System learning
4. Genetic algorithm

Options :

9409187329. 1

9409187330. 2

9409187331. 3

9409187332. 4

Question Number : 73 Question Id : 9409182092 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is a major difference between human problem solvers and computer programs?

1. Computer programs run faster
2. Computer programs use memory
3. Humans learn from experience
4. Humans use AI

Options :

9409187333. 1

9409187334. 2

9409187335. 3

9409187336. 4

Question Number : 74 Question Id : 9409182093 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The value a indicates

1. Momentum factor
2. Weight update
3. Difference between hidden unit and output unit
4. Activation value

Options :

9409187337. 1

9409187338. 2

9409187339. 3

9409187340. 4

Question Number : 75 Question Id : 9409182094 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Why sometimes a move looks great at one ply but not at the next ply?

1. Incorrect heuristic
2. Incorrect search
3. Piece exchange process
4. All of these

Options :

9409187341. 1

9409187342. 2

9409187343. 3

9409187344. 4

Question Number : 76 Question Id : 9409182095 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The difference between actual value and expected value at the output layer determines

1. If the output unit is working properly
2. The error
3. The validity of the input
4. The validity of the hidden layer

Options :

9409187345. 1

9409187346. 2

9409187347. 3

9409187348. 4

Question Number : 77 Question Id : 9409182096 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which layer is responsible for learning about features of the inputs

1. Input layer
2. Hidden layer
3. Output layer
4. All three layers

Options :

9409187349. 1

9409187350. 2

9409187351. 3

9409187352. 4

Question Number : 78 Question Id : 9409182097 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the difference between W_{1ij} and W_{2ij} ?

1. Layers are different
2. Weights are different
3. Error is different
4. All of these

Options :

9409187353. 1

9409187354. 2

9409187355. 3

9409187356. 4

Question Number : 79 Question Id : 9409182098 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The single layer perceptron is not used in practice as they cannot solve _____ problems

1. Hard
2. Heuristic based
3. Non-linearly separable
4. All of these

Options :

9409187357. 1

9409187358. 2

9409187359. 3

9409187360. 4

Question Number : 80 Question Id : 9409182099 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The human descriptions of the problem statement usually miss _____

1. Important rules
2. Important facts
3. Obvious facts
4. All of these

Options :

9409187361. 1

9409187362. 2

9409187363. 3

9409187364. 4

Question Number : 81 Question Id : 9409182100 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When there are predicates which state the same thing repeatedly for different values, it is a good idea to _____

1. Use a function
2. Store them together
3. Keep them in database
4. All of these

Options :

9409187365. 1

9409187366. 2

9409187367. 3

9409187368. 4

Question Number : 82 Question Id : 9409182101 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is a state space?

1. Collection of all states
2. Collection of all valid states
3. Collection of all possible states from the Start state
4. Collection of all states from where one can go to final state

Options :

9409187369. 1

9409187370. 2

9409187371. 3

9409187372. 4

Question Number : 83 Question Id : 9409182102 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If we have following, what can we prove?

Given below are two statements

Statement I: Raman is a teacher

Statement II: All teachers are respected

In light of the above statements, choose the **most appropriate** answer from the options given below

1. Raman is respected
2. Students respect Raman
3. Raman is a respected person
4. All of these

Options :

9409187373. 1

9409187374. 2

9409187375. 3

9409187376. 4

Question Number : 84 Question Id : 9409182103 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Furniture is an example of entity which is _____ entity

1. Real world
2. Non-real world
3. Real world but needed in the program
4. Nonreal world but needed in the program

Options :

9409187377. 1

9409187378. 2

9409187379. 3

9409187380. 4

Question Number : 85 Question Id : 9409182104 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In NMRS, the facts which are known to be true are known as

1. Truths
2. Premises
3. Solutions
4. Facts

Options :

9409187381. 1

9409187382. 2

9409187383. 3

9409187384. 4

Question Number : 86 Question Id : 9409182105 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Some programs like one which proves a theorem require

1. Explanatory facility
2. Complete knowledge of mathematics
3. Complete knowledge of logic
4. The complete way to prove a theorem

Options :

9409187385. 1

9409187386. 2

9409187387. 3

9409187388. 4

Question Number : 87 Question Id : 9409182106 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In the normal hill-climbing process, the end state depends on

1. The search process
2. The application of heuristic function
3. How the next state is chosen
4. The start state

Options :

9409187389. 1

9409187390. 2

9409187391. 3

9409187392. 4

Question Number : 88 Question Id : 9409182107 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ is one typical type of local maxima

1. Plateau
2. Ridge
3. Local minima
4. Dead end

Options :

9409187393. 1

9409187394. 2

9409187395. 3

9409187396. 4

Question Number : 89 Question Id : 9409182108 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In simulated annealing, the bad move

1. Sometimes allowed
2. Always allowed
3. Never allowed
4. Is taken if user allows it

Options :

9409187397. 1

9409187398. 2

9409187399. 3

9409187400. 4

Question Number : 90 Question Id : 9409182109 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The annealing Schedule is about

1. The description of Temperature values for next move
2. The description of temperature when the reading is taken
3. Temperature when the experiment took place
4. The temperature which is set by the designer.

Options :

9409187401. 1

9409187402. 2

9409187403. 3

9409187404. 4

Question Number : 91 Question Id : 9409182110 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What are plies

1. Nodes
2. Levels
3. Players
4. Solutions

Options :

9409187405. 1

9409187406. 2

9409187407. 3

9409187408. 4

Question Number : 92 Question Id : 9409182111 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Fault tolerance is an attribute describing the ability of the system to deal with ____

1. Incomplete information
2. Incorrect information
3. Complicated problem
4. Human-like problem

Options :

9409187409. 1

9409187410. 2

9409187411. 3

9409187412. 4

Question Number : 93 Question Id : 9409182112 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The description of Google Self Driving car indicates _____ is required in real AI problem-solving process

1. Complex data structures
2. Huge amount of data processing
3. Varieties of inputs coming from various sources
4. All of these

Options :

9409187413. 1

9409187414. 2

9409187415. 3

9409187416. 4

Question Number : 94 Question Id : 9409182113 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When a voice input matches with two items, _____ is used to decide the right value

1. Other words
2. The speaker
3. The audience
4. Context

Options :

9409187417. 1

9409187418. 2

9409187419. 3

9409187420. 4

Question Number : 95 Question Id : 9409182114 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Any ES, when decides the KR, also decides

1. Database
2. Heuristics
3. Inference method
4. All of these

Options :

9409187421. 1

9409187422. 2

9409187423. 3

9409187424. 4

Question Number : 96 Question Id : 9409182115 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will expert do when he receives a message that a process is trying to access a system file that seems intrusive?

1. Terminate that process
2. Quarantine that process
3. Verify that warning
4. All of these

Options :

9409187425. 1

9409187426. 2

9409187427. 3

9409187428. 4

Question Number : 97 Question Id : 9409182116 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The most important part of the expert system's arsenal is

1. Expert behavior
2. Heuristic
3. Domain knowledge
4. Inference

Options :

9409187429. 1

9409187430. 2

9409187431. 3

9409187432. 4

Question Number : 98 Question Id : 9409182117 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The explanation should be

1. Same for all users
2. Different for different types of users
3. Standardized
4. Should use jargon of the domain

Options :

9409187433. 1

9409187434. 2

9409187435. 3

9409187436. 4

Question Number : 99 Question Id : 9409182118 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The best interface is _____

1. API
2. GUI
3. Menu driven
4. Natural language

Options :

9409187437. 1

9409187438. 2

9409187439. 3

9409187440. 4

Question Number : 100 Question Id : 9409182119 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Normal user in ES

1. Nothing
2. Acts as recipient of expert job
3. Executes the expert job
4. Runs the system

Options :

9409187441. 1

9409187442. 2

9409187443. 3

9409187444. 4