

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, July 2020

Course: Artificial Intelligence
Program: B.Tech. CSE+BFSI
Course Code: CSEG3005

Semester: VI
Time:
Max. Marks: 100

Mode of exam: Online through blackboard



Sudhanshu Srivastava 162 ▾

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Edit Mode is: **ON** ?



Tests, Surveys and Pools Tests **Test Canvas : End Sem Examination**

This Test has 119 attempts. For information on editing questions, click **More Help** below.

Test Canvas: End Sem Examination

The Test Canvas lets you add, edit and reorder questions, as well as review a test. [More Help](#)

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You can edit, delete or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description Dear Students,
This is your **Artificial Intelligence End Term Examination**.
All the best!!

Instructions Total Questions = 60
Max. Time = 120 minutes
Max. Marks = 60
There is NO Negative Marking
Backtracking is NOT allowed

Total Questions 60
Total Points 60
Number of Attempts 119

Select: [All](#) [None](#) Select by Type:

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Points

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Answer

 True

 False

2. Multiple Choice: Q2.: _____ and _____ are t...

Points: 1

Question _____ and _____ are two categories of Supervised learning .

Answer

 Classification and Regression

 Classification and Clustering

 Regression and Clustering

 None of the above

3. Multiple Choice: Q3.: .Reinforcement learning is a _____...

Points: 1

Question .Reinforcement learning is a _____ method, in which a learning agent gets a reward for each right action and gets a penalty for each wrong action. The agent learns automatically with these feedbacks and improves its performance.

Answer

 feedback-based learning

 supervised learning

 unsupervised learning

none of the above



Points: 1

4. Multiple Choice: Q4.: Which of the following is the correct...

Question	Which of the following is the correct order of major steps involved in Machine learning life cycle ?
Answer	<p><input checked="" type="checkbox"/> Gathering Data,Data preparation,Train the model,Test the model,Deployment</p> <p><input type="checkbox"/> Data preparation , Data preparation,Train the model,Test the model,Deployment</p> <p><input type="checkbox"/> Gathering Data,Data preparation,Test the model,train the model ,Deployment</p> <p><input type="checkbox"/> None of the above</p>



Points: 1

5. Multiple Choice: Q5.: It is not necessary that data we have...

Question	<p>It is not necessary that data we have collected is always of our use as some of the data may not be useful. In real-world applications, collected data may have various issues, including:</p> <p>a.Missing Values</p> <p>b.Duplicate data</p> <p>c.Invalid data</p> <p>d.Noise</p> <p>So, we use various filtering techniques to clean the data. Which of the above are correct options ?</p>
Answer	a and b

b and c

c and d

all of the above



Points: **1**

6. Multiple Choice: Q6.: In supervised learning, models are tr...

Question	In supervised learning, models are trained using _____ dataset, where the model learns about each type of data.
Answer	<input checked="" type="checkbox"/> Labelled <hr/> <input type="checkbox"/> Unlabelled <hr/> <input type="checkbox"/> Unprocessed <hr/> <input type="checkbox"/> None of the above



Points: **1**

7. Multiple Choice: Q7.: Which of the following are classifica...

Question	Which of the following are classification algorithms ? a.Random forest b.Bayesian regression c.Support Vector Machine d.Logistic regression
Answer	a, b, c

a,b,d

a,c,d

all of the above



Points: **1**

8. Multiple Choice: Q8.: The goal of unsupervised learning is ...

Question	The goal of unsupervised learning is to
Answer	<p><input checked="" type="checkbox"/> find the underlying structure of dataset, group that data according to similarities, and represent that dataset in a compressed format</p> <p>find a mapping function to map the input variable(x) with the output variable(y).</p> <p>Both a and b</p> <p>None of the above</p>

9. Multiple Choice: Q9.: Definition of Clustering : // do...**

Points: **1**

Question	Definition of Clustering :
Answer	<input checked="" type="checkbox"/>

It is a method of grouping the objects into groups such that objects with most similarities remains into a group and has less or no similarities with the objects of another group. It finds the commonalities between the data objects and categorizes them as per the presence and absence of those commonalities.

It is an unsupervised learning method which is used for finding the relationships between variables in the large database. It determines the set of items that occurs together in the dataset. Association rule makes marketing strategy more effective.

It is a learning approach in which a learning agent gets a reward for each right action and gets a penalty for each wrong action. The agent learns automatically with these feedbacks and improves its performance.

None of the above



Points: **1**

10. Multiple Choice: Q10.: Below are the 8 actual values of targ...

Question	<p>Below are the 8 actual values of target variable in the train file.</p> <p>[0,0,0,1,1,1,1,1]</p> <p>What is the entropy of the target variable?</p>
Answer	<p>$5/8 \log(5/8) + 3/8 \log(3/8)$</p> <hr/> <p><input checked="" type="checkbox"/> $-(5/8 \log(5/8) + 3/8 \log(3/8))$</p> <hr/> <p>$3/8 \log(5/8) + 5/8 \log(3/8)$</p> <hr/> <p>$5/8 \log(3/8) - 3/8 \log(5/8)$</p>



Points: **1**

11. Multiple Choice: Q11.: Which of the following are unsupervis...

Question	Which of the following are unsupervised algorithms ? a.K-means clustering b.KNN (k-nearest neighbors) c.Hierarchal clustering d.Decision Tree
Answer	<input checked="" type="checkbox"/> a,c <hr/> <input type="checkbox"/> a,b,d <hr/> <input type="checkbox"/> a,c,d <hr/> <input type="checkbox"/> b,d

Points: **1****12. Multiple Choice: Q12.: Which of the following statements a...**

Question
Which of the following statements are true ? a. Dependent Variable: The main factor in Regression analysis which we want to predict or understand is called the dependent variable. It is also called target variable. b.Independent Variable: The factors which affect the dependent variables or which are used to predict the values of the dependent variables are called independent variable, also called as a predictor. c.Outliers: Outlier is an observation which contains either very low value or very high value in comparison to other observed values. An outlier may hamper the result, so it should be avoided. d.Multicollinearity: If the independent variables are highly correlated with each other than other variables, then such condition is called Multicollinearity. It should not be present in the dataset, because it creates problem while ranking the most affecting variable. e.Underfitting and Overfitting: If our algorithm works well with the training dataset but not well with test dataset, then such problem is called Overfitting. And if our

Answer	a,c,d,e
	a,b,c,d
	a,c
	<input checked="" type="checkbox"/> a,b,c,d,e

Points: **1**

13. Multiple Choice: Q13.: State true or false . Logistic regres...

Question	State true or false . Logistic regression uses sigmoid function or logistic function which is a complex cost function. This sigmoid function is used to model the data in logistic regression. The function can be represented as: $f(x)=\frac{1}{1+e^{-x}}$ $f(x)=$ Output between the 0 and 1 value. $x=$ input to the function $e=$ base of natural logarithm.
Answer	<input checked="" type="checkbox"/> True
	False

Points: **1**

14. Multiple Choice: Q14.: Which of the following statements are...

Question	Which of the following statements are true in case of SVM ? a.Kernel: It is a function used to map a lower-dimensional data into higher dimensional data. b.Hyperplane: These lines create a margin for datapoints. c.Boundary line: In general SVM, it is a separation line between two classes, but in SVR, it is a line which helps to predict the continuous variables and cover most of the datapoints. d.Support vectors: Support vectors are the datapoints which are nearest to the hyperplane and opposite class.
Answer	a,c

a,b,c

 a,d

a,c,d

Points: **1****15. Multiple Choice: Q15.: Which of the following statements are...**

Question	Which of the following statements are false w.r.t NLP ? a.Lemmatization: It entails reducing the various inflected forms of a word into a single form for easy analysis. b.Morphological segmentation: It involves dividing words into individual units called morphemes. c.Word segmentation: It involves dividing a large piece of continuous text into distinct units. d.Part-of-speech tagging: It involves identifying the part of speech for every word. e.Parsing: It involves undertaking grammatical analysis for the provided sentence. f.Sentence breaking: It involves placing sentence boundaries on a large piece of text. g.Stemming: It involves cutting the inflected words to their root form.
Answer	a,b,g
	b,f,g
	a,c,e
	<input checked="" type="checkbox"/> none

Points: **1****16. Multiple Choice: Q16.: The main goal of SVR is to consider t...**

Question	The main goal of SVR is to consider the maximum datapoints within the boundary lines and the hyperplane (best-fit line) must contain a maximum number of datapoints.State true or false .
Answer	<input checked="" type="checkbox"/>

True

False



Points: **1**

17. Multiple Choice: Q17.: Which of the following mentioned prop...

Question

Which of the following mentioned properties are valid for a Cryptarithmic problem?

- i. A number 0-9 is assigned to a particular alphabet.
- ii. Each different alphabet has a unique number.
- iii. All the same alphabets have the same numbers.
- iv. The numbers should satisfy all the operations that any normal number does

Answer

i,iii

ii,iv

i,ii,iv

i,ii,iii,iv



Points: **1**

18. Multiple Choice: Q18.: Which of the following statements are...

Question

Which of the following statements are true for ANN?
 STATEMENT A:Inputs to the network are represented by the mathematical symbol, x_n ;
 STATEMENT B:Each of these inputs are multiplied by a connection weight , w_n ;
 THEN $sum = w_1 x_1 + \dots + w_n x_n$;
 STATEMENT C:These products are simply summed, fed through the transfer function, $f(sum)$ to generate a result and then output.

Answer

 a,b,c

 a and b only

 b and c only

 a and c only
Points: **1**

19. Multiple Choice: Q19.: $Y = b_0 + b_1x_1 + b_2x_2 + b_3x_3 + \dots + b_nx_n$

Question

$Y = b_0 + b_1x_1 + b_2x_2 + b_3x_3 + \dots + b_nx_n$ (a) Where, Y= Output/Response variable ; $b_0, b_1, b_2, b_3, b_n, \dots$ = Coefficients of the model ; $x_1, x_2, x_3, x_4, \dots$ = Various Independent/feature variable ; The equation (a) stands correct for :

Answer

 Multiple linear regression

 Linear regression

 Logistic regression

 none of the above
Points: **1**

20. Multiple Choice: Q20.: Since machine learning model complete...

Question

Since machine learning model completely works on mathematics and numbers, but if our dataset would have a categorical variable, then it may create trouble while building the model. So it is necessary to encode these categorical variables into numbers. State true or false

Answer

True

False

21. Multiple Choice: In the below Min-Max tree, What i...

Points: 1

Question In the below Min-Max tree,

What is the value of $A+B-C$?

Answer

0

5

4

6

22. Multiple Choice: Consider the below statements: i) An ...

Points: 1

Question

Consider the below statements:

i) An agent that senses only partial information about the state cannot be perfectly rational.

ii) Suppose an agent selects its action uniformly at random from the set of possible actions. There exists a deterministic task environment in which this agent is rational.

iii) It is possible for a given agent to be perfectly rational in two distinct task environments.

iv) A perfectly rational poker-playing agent never loses.

Correct statements are:

Answer

i and ii only

ii and iv only

ii,iii and iv only

None of the above

23. Multiple Choice: Identify the incorrect statements: a...

Points: 1

Question

Identify the incorrect statements:

a) Intelligence is the computational part of the ability to achieve goals in the world.

b) "thinking rationally" is always better than human standards

c) CSP solver can quickly eliminate large part of search space

d) In a CSP, if a partial assignment is a solution, we can immediately discard further refinements of it.

e) "Knowledge" and "reasoning" is important when dealing with partially observable environments

f) Understanding natural language doesn't always require inferring hidden states

Answer

c only

b only

b and f only

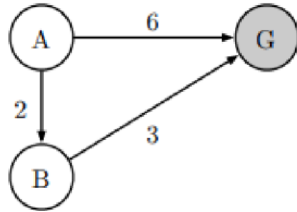
b,d and f only



Points: 1

24. Multiple Choice: Consider the below state space problem...

Question Consider the below state space problem. Different heuristic values are defined in the table.



	$h(A)$	$h(B)$	$h(G)$
I	4	1	0
II	5	4	0
III	4	3	0
IV	5	2	0

Which among the following heuristics is admissible but not consistent?

Answer

I only

II and IV only

I,II,III only

I and IV only

25. Multiple Choice: In the below Fig i and Fig ii, ...

Points: **1**

Question In the below Fig i and Fig ii, for what values of x , pruning will take place? Answer in [Fig I, Fig ii] format.

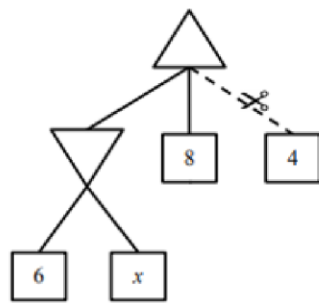


Fig i

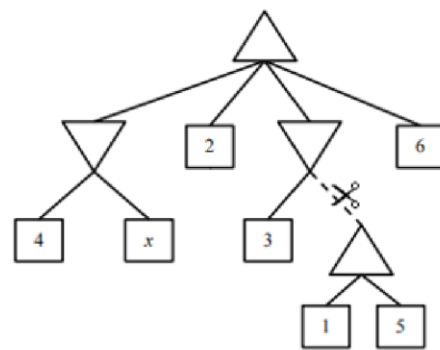


Fig ii

Answer

$[x > 2, x \geq 2]$

$[x \geq 2, \text{none}]$

[none, none]

[none, x>=2]

26. Multiple Choice: Identify the incorrect statements: a...

Points: **1**

Question

Identify the incorrect statements:

- a) The "Turing Test" is a test devised by Alan Turing to determine whether a secret code is breakable
- b) "Deep Blue" is the name of a chess playing computer program created at IBM
- c) "Deep Blue" is a chess playing program that defeated world champion Garry Kasparov
- d) Artificial Intelligence is an attempt to make computers do tasks for which humans are considered intelligent
- e) DFS always terminate on a finite search space
- f) BFS always terminate on a finite search space

Answer

a,b,e only

c,e only

b,f only

a only



27. Multiple Choice: For the below stochastic game, consid...

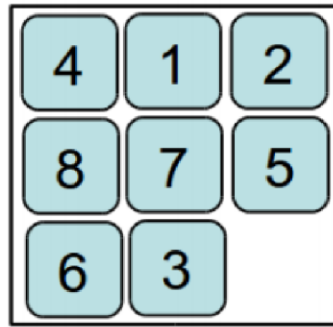
Points: **1**

Question

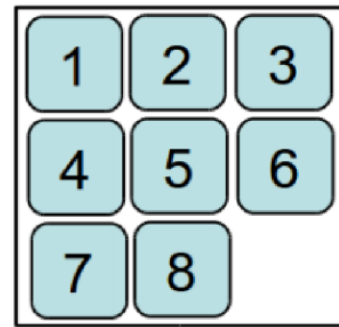
For the below stochastic game, consider 2 heuristic functions as:

$h_1(N)$ =number of tiles out of place

$h_2(N)$ =manhattan distance of tiles out of place



Start state



Goal state

What is the value of $h_2(\text{start state}) - h_1(\text{start state})$?

HINT: How to calculate Manhattan distance of tiles out of place?

7	2	4
5	*	6
8	3	1

Initial State

*	1	2
3	4	5
6	7	8

Final State

h_3 : Sum of Manhattan distances of the tiles from their goal positions

In the given figure, all the tiles are out of position, hence for this state, $h_3 = 3 + 1 + 2 + 2 + 2 + 3 + 3 + 2 = 18$.

Answer

6

5

-4

heuristic values can't be subtracted

28. Multiple Choice: Identify the correct statements: a) ...

Points:

MIN wins the game

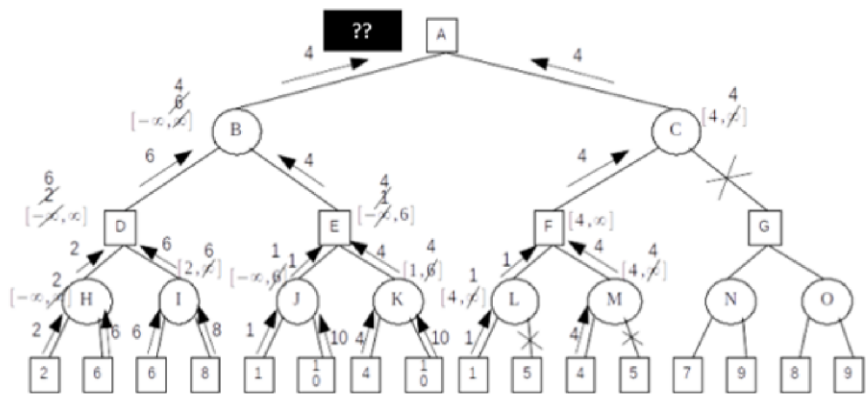
Cannot say



Points: 1

30. Multiple Choice: What will come in place of “??” after...

Question What will come in place of “??” after applying alpha-beta pruning to the below game problem?



Answer It's a Min-Max graph, can't be solved using alpha-beta pruning

$[\infty, 4]$

$[4, \infty]$

$[-4, \infty]$

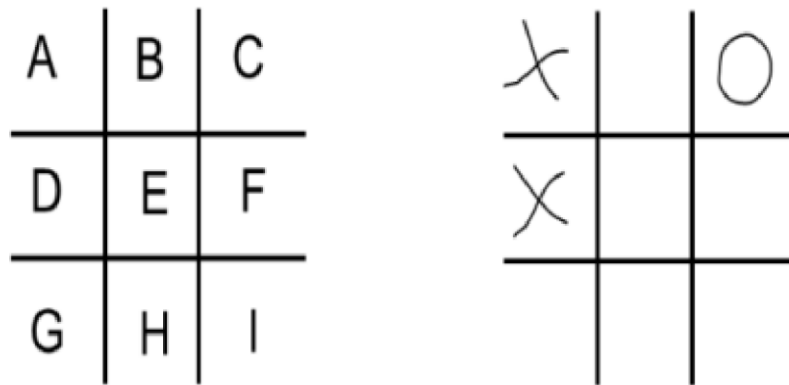


Points: 1

31. Multiple Choice: You have to design an intelligent age...

Question

You have to design an intelligent agent to win this game. Your agent is "X" and your opponent is "O". It's your opponent's turn. Suppose he puts "O" at G location, then what should be the optimal move by your agent to maximize his chance of winning?



Answer

Game will draw in any case

F

I

either F or I

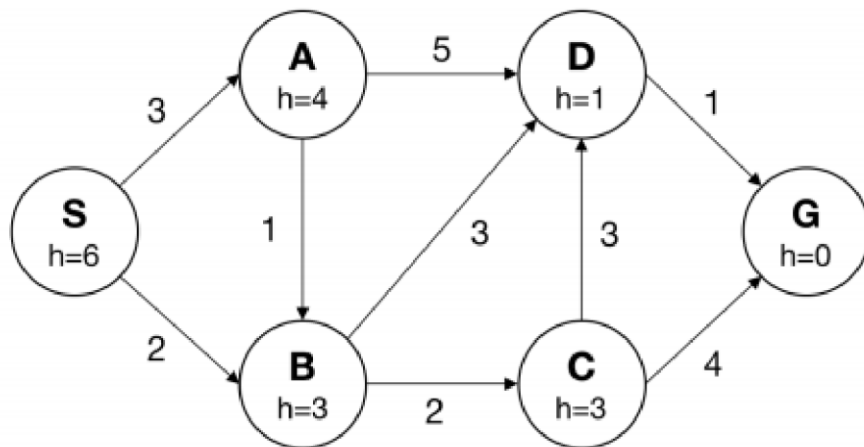


32. Multiple Choice: Consider the following graph. Broke t...

Points: 1

Question

Consider the following graph. Broke ties alphabetically.



What path would DFS return?

Answer

DFS would go in loop

S-A-D-G

 S-A-B-C-D-G

S-A-B-D-C-G



Points: 1

33. Multiple Choice: Consider the below statements? a) If...**Question**

Consider the below statements?

a) If $h_1(s)$ is a consistent heuristic, and $h_2(s)$ is an admissible heuristic, then the minimum of the two may be consistent.

b) Admissibility of a heuristic for A* search implies consistency as well

Answer a is correct but b is wrong

a is wrong but b is correct

Both are correct and b is an explanation of a

Both are correct and b is not an explanation of a










Points: 1

34. Multiple Choice: You are solving 8 queens problem and

...

Question

You are solving 8 queens problem and below is the current state space you are facing:

18	12	14	13	13	12	14	14
14	16	13	15	12	14	12	16
14	12	18	13	15	12	14	14
15	14	14		13	16	13	16
	14	17	15		14	16	16
17		16	18	15		15	
18	14		15	15	14		16
14	14	13	17	12	14	12	18

What will the value of “h” seeing the above state if h = number of pairs of queens that are attacking each other, either directly or indirectly?

Answer

15

16

17

18

35. Multiple Choice: Find the incorrect statements? a) Mi...

Points: 1

Question

Find the incorrect statements?

- a) Min-Max is a complete DFS
- b) Space complexity to solve a chess problem using Min-Max could be $O(35 * 100)$
- c) The number of game states with minimax search is exponential in the number of moves
- d) It is possible to compute the correct minimax decision without looking at every node in the game tree
- e) Pruning doesn't affect final result
- f) The effectiveness of alpha-beta pruning is not dependent on the order of successors

Answer

a,b,c,e

a,d,e

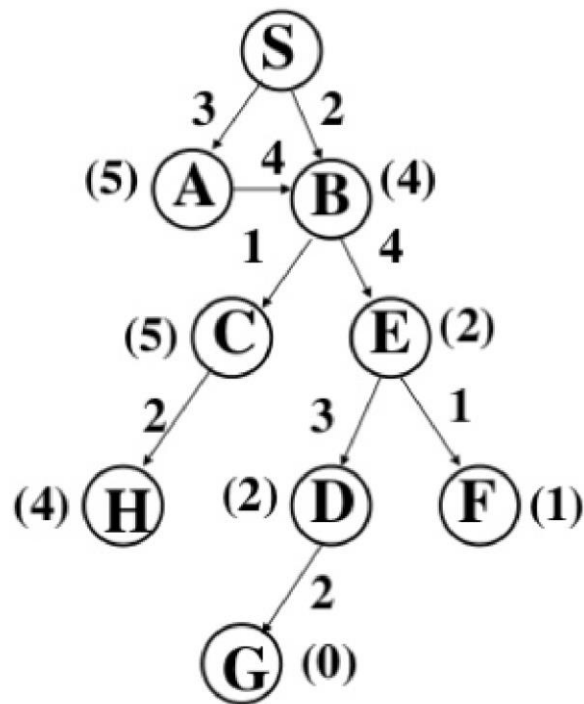
e,f

 d,f

 36. Multiple Choice: Find the final path after applying AO...

Points: 1

Question Find the final path after applying AO* algorithm to solve the below search tree.

**Answer**
 SBEDG

SABEDG

SBCHEDG

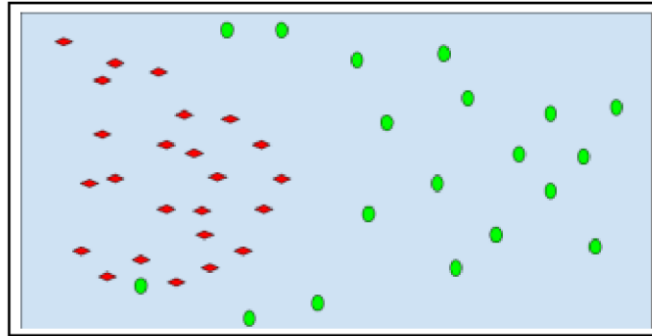
SABCEDG

Points: 1

37. Multiple Choice: Suppose you try to separate these two...

Question

Suppose you try to separate these two classes. What could be the complexity of your decision surface?



Answer

linear

quadratic

cubic

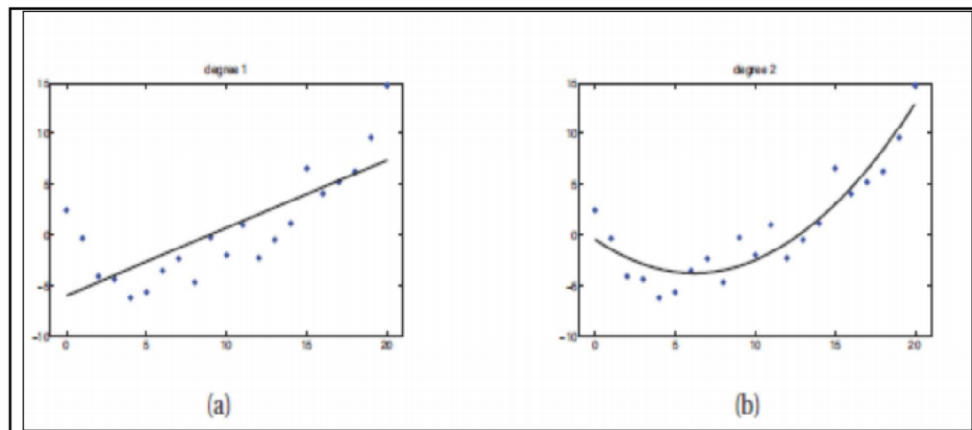
exponential

Points: 1

38. Multiple Choice: Identify the correct option based on ...

Question

Identify the correct option based on the below figure:



Answer

Fig a is classification and Fig b is regression

Fig b is classification and Fig a is regression

Fig a is simple linear regression and Fig b is multiple linear regression

none

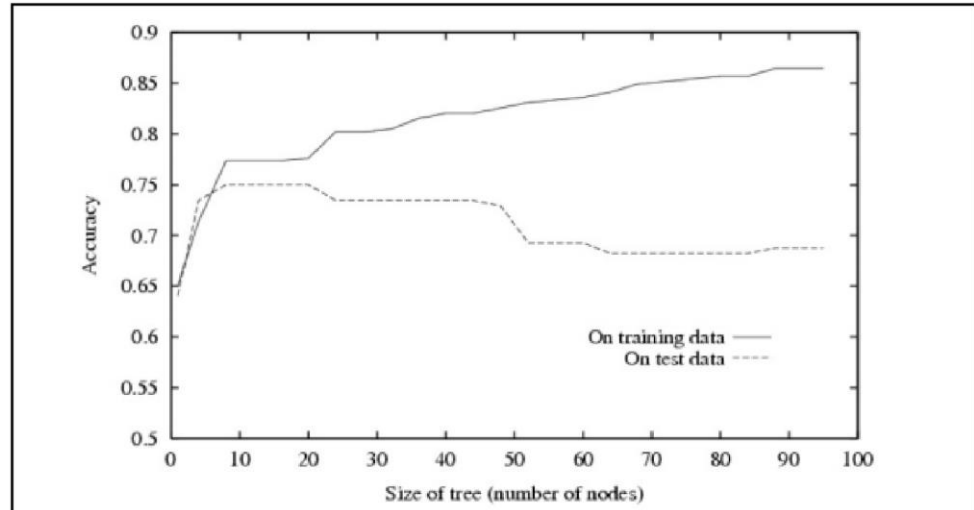
39. Multiple Choice: Overfitting is happening when number

...

Points: 1

Question

Overfitting is happening when number of node is?



Answer

5

20

30

Model is underfitting

40. Multiple Choice: What is the logical translation of th...

Points: 1

Question

What is the logical translation of the following statement?

“There exist some people who are not my friend and are not perfect”

$F(x) \implies x$ is my friend

$P(x) \implies x$ is perfect

Answer

$\exists x (F(x) \wedge \sim P(x))$

$\exists x (\sim F(x) \wedge P(x))$

$$\exists x (\sim F(x) \wedge \sim P(x))$$

None of the mentioned



Points: 1

41. Multiple Choice: Convert the following statements into...

Question	Convert the following statements into First order logic? not all Rainy days are Cold
Answer	<input type="checkbox"/> $\forall d(\text{Rainy}(d) \wedge \sim \text{Cold}(d))$ <input type="checkbox"/> $\forall d(\sim \text{Rainy}(d) \rightarrow \text{Cold}(d))$ <input type="checkbox"/> $\exists d(\sim \text{Rainy}(d) \rightarrow \text{Cold}(d))$ <input checked="" type="checkbox"/> $\exists d(\text{Rainy}(d) \wedge \sim \text{Cold}(d))$



Points: 1

42. Multiple Choice: Convert the following statements into...

Question	Convert the following statements into First order logic? There exists a number such that if it is rational, it is real
Answer	<input checked="" type="checkbox"/> $\exists x(\text{rational}(x) \rightarrow \text{real}(x))$ <input type="checkbox"/> $\forall x(\text{real}(x) \rightarrow \text{rational}(x))$ <input type="checkbox"/> $\exists x(\text{real}(x) \wedge \text{rational}(x))$ <input type="checkbox"/> $\exists x(\text{real}(x) \vee \text{rational}(x))$



Points: 1

43. Multiple Choice: Consider the following well-formed fo...

Question	<p>Consider the following well-formed formulae:</p> <p>I. $\neg\forall x(P(x))$</p> <p>II. $\neg\exists x(P(x))$</p> <p>III. $\neg\exists x(\neg P(x))$</p> <p>IV. $\exists x(\neg P(x))$</p> <p>Which of the above are equivalent?</p>
Answer	<p>I and III</p> <hr/> <p><input checked="" type="radio"/> I and IV</p> <hr/> <p>II and III</p> <hr/> <p>II and IV</p>

Points: **1****44. Multiple Choice: Convert the following statements into...**

Question	<p>Convert the following statements into First order logic?</p> <p>"Gold and diamond are precious".</p> <p>The following notations are used:</p> <p>G(x): x is a gold</p> <p>D(x): x is a diamond</p> <p>P(x): x is precious</p>
Answer	<p>$\forall x(P(x) \Rightarrow (G(x) \wedge D(x)))$</p> <hr/> <p>$\forall x((G(x) \wedge D(x)) \Rightarrow P(x))$</p> <hr/> <p>$\exists x((G(x) \wedge D(x)) \Rightarrow P(x))$</p> <hr/> <p><input checked="" type="radio"/> $\forall x((G(x) \vee D(x)) \Rightarrow P(x))$</p>

Points: **1****45. Multiple Choice: Which is not a type of First Order Lo...**

Question	Which is not a type of First Order Logic (FOL) Sentence?
Answer	Atomic sentences <input checked="" type="checkbox"/> Quantified sentence Simple sentence Complex sentences

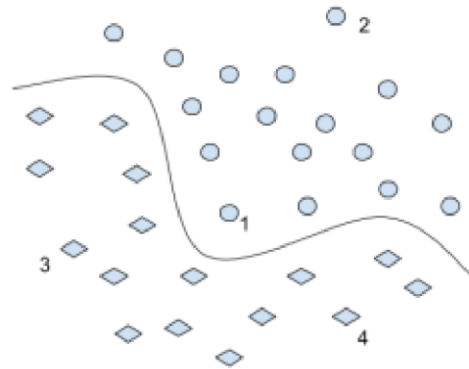
Points: **1****46. Multiple Choice: Which one is not Familiar Connectives...**

Question	Which one is not Familiar Connectives in FOL?
Answer	and <input checked="" type="checkbox"/> or not iff

 47. Multiple Choice: For a two-class classification prob...Points: **1**

Question

For a two-class classification problem, we use an SVM classifier and obtain the following separating hyperplane. We have marked 4 instances of the training data. Identify the point which will have the most impact on the shape of the boundary on its removal.



Answer

1

2

3

4

48. Multiple Choice: Which is called the conjunction of di...

Points: 1

Question	Which is called the conjunction of disjunctions of literals?
Answer	<input checked="" type="radio"/> Conjunctive Normal form <input type="radio"/> Disjunctive Normal form <input type="radio"/> Normal form <input type="radio"/> All of the mentioned

49. Multiple Choice: What will happen when the two literal...

Points: 1

Question	What will happen when the two literals are identical in the Resolution?
Answer	<p>Remains the same</p> <hr/> <p>We added them as three</p> <hr/> <p><input checked="" type="checkbox"/> Reduced to single</p> <hr/> <p>None of the mentioned</p>

Points: **1****50. Multiple Choice: Which problem will start from goal st...**

Question	Which problem will start from goal state to solve a problem?
Answer	<p>Forward Chaining</p> <hr/> <p><input checked="" type="checkbox"/> Backward Chaining</p> <hr/> <p>Hill-Climbing algorithm</p> <hr/> <p>Resolution</p>

Points: **1****51. Multiple Choice: Choose the correct option A: A Knowl...**

Question	<p>Choose the correct option</p> <p>A: A Knowledge Base is a set of facts (statements)</p> <p>B: New sentence will not be derived from the KB using inference.</p>
Answer	<p>A is true, B is true</p> <hr/> <p>A is false, B is true</p> <hr/> <p><input checked="" type="checkbox"/> A is true, B is false</p> <hr/> <p>A is false, B is false</p>



Points: 1

52. Multiple Choice: How many types of quantifiers exist i...

Question	How many types of quantifiers exist in FOPL?
Answer	<input checked="" type="checkbox"/> 2
	<input type="checkbox"/> 3
	<input type="checkbox"/> 1
	<input type="checkbox"/> 4

**53. Multiple Choice: Default reasoning is the type of- ...**

Points: 1

Question	Default reasoning is the type of-
Answer	<input type="checkbox"/> Monotonic Reasoning
	<input checked="" type="checkbox"/> Non-monotonic Reasoning
	<input type="checkbox"/> Analogical Reasoning
	<input type="checkbox"/> None of the mentioned



Points: 1

54. Multiple Choice: A company is having 9 workers. In how...

Question	A company is having 9 workers. In how many different ways we can create team of 5 workers?
Answer	<input type="checkbox"/> 132
	<input checked="" type="checkbox"/> 126

84

72



Points: 1

55. Multiple Choice: 3 children are to be selected from 10...

Question	3 children are to be selected from 10 children for prize distribution. If the 3 prize are designated first, second and third, in how many different ways could they be awarded?
Answer	<input checked="" type="checkbox"/> 720 <input type="checkbox"/> 360 <input type="checkbox"/> 540 <input type="checkbox"/> 1080



Points: 1

56. Multiple Choice: Bayes rule can be used for... // ...**

Question	Bayes rule can be used for...
Answer	<input type="checkbox"/> Solving queries <input type="checkbox"/> Increasing complexity <input type="checkbox"/> Decreasing complexity <input checked="" type="checkbox"/> Answering probabilistic query

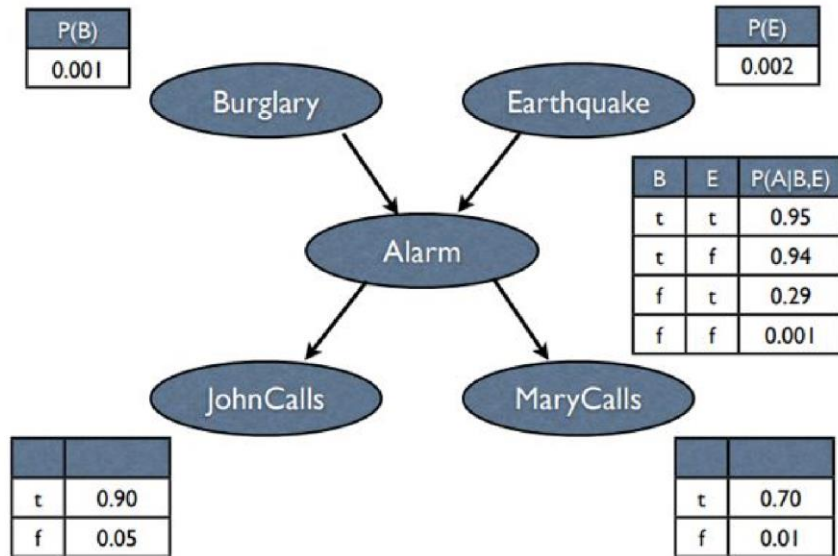


Points: 1

57. Multiple Choice: A Bayesian Networks is given to you ...

Question

A Bayesian Networks is given to you



Problem:

What's the probability that an alarm has sounded, there was neither an earthquake nor a burglary, and both John and Mary called?

Answer 0.00067

0.00062

0.00072

0.00069



Points: 1

58. Multiple Choice: Identify the incorrect statements reg...

Question Identify the incorrect statements regarding Bayesian Networks:

- (a) Bayesian uses every available information to find the probability. This indicates that apart from data, the method uses prior information as well.
- (b) When there is a lack of parameters and facts, Bayesian quantify uncertainties using available evidence.
- (c) Bayesian machine learning is useful when there are fewer data available.
- (d) Bayesian network uses joint probability distribution

Answer a,b,d

c only

b,c

none of the above



Points: **1**

59. Multiple Choice: Which of the pairs of random variable...

Question	Which of the pairs of random variables are independent?
<pre> graph TD A((A)) --> C((C)) B((B)) --> C B --> D((D)) C --> E((E)) </pre>	
Answer	<p>A,B</p> <hr/> <p>C,D</p> <hr/> <p>E,D</p> <hr/> <p><input checked="" type="checkbox"/> None</p>



Points: **1**

60. Multiple Choice: 60.: These kind of agents take decision ba...

Question	These kind of agents take decision based on how far they are currently from their goal(description of desirable situations). Their every action is intended to reduce its distance from the goal.
Answer	<p><input checked="" type="checkbox"/> goal based agents</p> <hr/> <p>Model based reflex agents</p>

Simple reflex agents

Utility based agents

Select: All None Select by Type: - Question Type - ▼

Delete and Regrade

Points

Update and Regrade

Hide Question Details

← OK