

For Solved Visit **VU Answer**

CS607 Final Term Papers By Waqar (File 1)

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Examination VU Examination System (... x)

CS607 Artificial Intelligence MC110200214 (UZMA JAVAID)

Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

"The branch of computer science that is concerned with the automation of intelligent behavior" this definition of AI is from

Answer (Please select your correct option)

- Charniak and McDermott
- Winston
- Luger and Stubblefield

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Question No : 1 of 52 Marks: 1 (Budgeted Time 1 Min)

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Answer (Please select your correct option)

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Question No : 2 of 52 Marks: 1 (Budgeted Time 1 Min)

AI actually tries to recreate the functions of the inside of the brain as opposed to simply emulating behavior

Answer (Please select your correct option)

- Weak
- Strong
- Weak and Strong
- None of the given

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Question No : 3 of 52 Marks: 1 (Budgeted Time 1 Min)

Clustering is a form of unsupervised learning.

Answer (Please select your correct option)

- True
- False

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Question No : 4 of 52 Marks: 1 (Budgeted Time 1 Min)

A concept is the representation of the problem with respect to the given attributes.

Answer (Please select your correct option)

True

False

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Question No : 5 of 52 Marks: 1 (Budgeted Time 1 Min)

Which one is not step involved in the planning phase of Linear model for expert systems

Answer (Please select your correct option)

Feasibility assessment

Resource allocation

Task phasing and scheduling

None of the given

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Question No : 6 of 52 Marks: 1 (Budgeted Time 1 Min)

Breadth-First Search checks all paths of a given length before moving on to any longer paths.

Answer (Please select your correct option)

True

False

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Question No : 7 of 52 Marks: 1 (Budgeted Time 1 Min)

Heuristically informed procedures are not considered better but they guarantee the optimal solution.

Answer (Please select your correct option)

True

False

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Question No : 8 of 52 Marks: 1 (Budgeted Time 1 Min)

Which one is the most famous way to improve Branch and Bound procedure:

Answer (Please select your correct option)

- Estimates
- Dynamic Programming
- Both Estimates and Dynamic Programming
- None of the given

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Question No : 9 of 52 Marks: 1 (Budgeted Time 1 Min)

To infer new information from semantic networks, we can ask questions from nodes.

Answer (Please select your correct option)

- True
- False

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Question No : 10 of 52 Marks: 1 (Budgeted Time 1 Min)

Frames were developed from semantic networks and later evolved into our modern-day Classes and Objects.

Answer (Please select your correct option)

True

False

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Question No : 11 of 52 Marks: 1 (Budgeted Time 1 Min)

A statement in conjunctive normal form (CNF) consists of _____

Answer (Please select your correct option)

Ors of ANDs

ANDs

ANDs of Ors.

Ors

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Question No : 12 of 52 Marks: 1 (Budgeted Time 1 Min)

The goal of an Assisting Expert is to aid an expert in a routine tasks to increase _____.

Answer (Please select your correct option)

- Planning
- Execution
- Productivity
- Correctness

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Question No : 13 of 52 Marks: 1 (Budgeted Time 1 Min)

Which one is the general stage of the expert system development life cycle:

Answer (Please select your correct option)

- Feasibility study
- Rapid prototyping
- Alpha system (in-house verification)
- All of the given

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Question No : 14 of 52 Marks: 1 (Budgeted Time 1 Min)

The Linear model of software development has been successfully used in developing _____ systems.

Answer (Please select your correct option)

- Expert
- Software
- Design
- Logical

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Question No : 15 of 52 Marks: 1 (Budgeted Time 1 Min)

The main phases of the linear sequence are:

Answer (Please select your correct option)

- Knowledge acquisition and analysis
- Knowledge design
- Code
- All of the given

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Question No : 16 of 52 Marks: 1 (Budgeted Time 1 Min)

The Defrule construct is used to _____ rules.

Answer (Please select your correct option)

- define
- add
- declare
- none of the given

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Question No : 17 of 52 Marks: 1 (Budgeted Time 1 Min)

The goal of knowledge analysis is to analyze and structure the _____ gained during the knowledge acquisition phase.

Answer (Please select your correct option)

- knowledge
- facts
- rules
- conclusions

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Question No : 18 of 52 Marks: 1 (Budgeted Time 1 Min)

Inference networks encode the knowledge of rules and _____.

Answer (Please select your correct option)

- facts
- strategies
- conditions
- none of the given

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Question No : 19 of 52 Marks: 1 (Budgeted Time 1 Min)

Fuzzy sets, unlike _____ sets, do not restrict themselves to something lying wholly in either set A or in set not-A.

Answer (Please select your correct option)

- Classical
- Physical
- Universal
- None of the given

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Question No : 20 of 52 Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- Boolean
- Complex
- Coognitive
- Supervised

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Question No : 21 of 52 Marks: 1 (Budgeted Time 1 Min)

_____ logic lets us define more realistically the true functions that define real world scenarios.

Answer (Please select your correct option)

- Fuzzy
- Classical
- Boolean
- None of the given

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Question No : 22 of 52 Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- Membership
- Ordinary
- Fuzzy
- Inline

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Question No : 23 of 52 Marks: 1 (Budgeted Time 1 Min)

Usually a _____ graph is chosen to represent a fuzzy set.

Answer (Please select your correct option)

- Triangular
- Circular
- Conical
- None of the given

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Question No : 24 of 52 Marks: 1 (Budgeted Time 1 Min)

In Fuzzy Rules there are two parts to the antecedent, and they have a/an _____ operator in between them.

Answer (Please select your correct option)

- AND
- OR
- NOT
- None of the given

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Question No : 25 of 52 Marks: 1 (Budgeted Time 1 Min)

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

Answer (Please select your correct option)

- Intrinsic
- Implication
- Boolean
- None of the given

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Question No : 26 of 52 Marks: 1 (Budgeted Time 1 Min)

The role of tester is often called the critic.

Answer (Please select your correct option)

True

False

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Question No : 27 of 52 Marks: 1 (Budgeted Time 1 Min)

Inductive learning takes examples and generalizes rather than starting with _____ knowledge.

Answer (Please select your correct option)

Existing

Inductive

Deductive

None of the given

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Question No : 28 of 52 Marks: 1 (Budgeted Time 1 Min)

The tractable problems are further divided into structured and _____ problems

Answer (Please select your correct option)

- Non-structured
- Complex
- Simple
- None of the given

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Question No : 29 of 52 Marks: 1 (Budgeted Time 1 Min)

Hypothesis space uses the _____ of the attributes.

Answer (Please select your correct option)

- Conjunctions (AND)
- Disjunctions (OR)
- Negation (NOR)
- None of the given

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Question No : 30 of 52 Marks: 1 (Budgeted Time 1 Min)

The first step of FIND-S is to initialize h to the most specific hypothesis in _____; $h = \langle \emptyset, \emptyset \rangle$

Answer (Please select your correct option)

- H
- I
- J
- K

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Question No : 31 of 52 Marks: 1 (Budgeted Time 1 Min)

FIND-S finds the maximally specific hypothesis possible within the _____.

Answer (Please select your correct option)

- Version space
- Solution space
- Hypothesis space
- None of the given

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Question No : 32 of 52 Marks: 1 (Budgeted Time 1 Min)

Entropy characterizes the purity/impurity of an arbitrary collection of examples.

Answer (Please select your correct option)

True

False

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Question No : 33 of 52 Marks: 1 (Budgeted Time 1 Min)

A single Perceptron simply draws a line, which is a hyper plane when the data is _____ than 2 dimensional.

Answer (Please select your correct option)

More

Less

Equal

None of the given

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Question No : 34 of 52 Marks: 1 (Budgeted Time 1 Min)

In ANNs, Training is the heart of learning, in which finding the best _____ that covers most of the examples is the objective.

Answer (Please select your correct option)

- Hypothesis
- Neuron
- Agent
- Operator

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Question No : 35 of 52 Marks: 1 (Budgeted Time 1 Min)

In Planning phase, each state is represented in predicate logic.

Answer (Please select your correct option)

- True
- False

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Question No : 36 of 52 Marks: 1 (Budgeted Time 1 Min)

Action is a _____ used to change states.

Answer (Please select your correct option)

- Predicate
- Function
- Operator
- None of the given

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Question No : 37 of 52 Marks: 1 (Budgeted Time 1 Min)

Which one is NOT the application area of Computer Vision?

Answer (Please select your correct option)

- Tracking an object through an image sequence
- Object Extraction from a video sequence
- Automated Navigation of a robot or a vehicle
- None of the given

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Question No : 38 of 52 Marks: 1 (Budgeted Time 1 Min)

Naturally, there is no supervision of classification in _____ algorithms for their learning or clustering.

Answer (Please select your correct option)

- Searching
- Planning
- Clustering
- Binary

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Question No : 39 of 52 Marks: 1 (Budgeted Time 1 Min)

Which one is NOT the feature of Robot:

Answer (Please select your correct option)

- Reasoning, Dealing with uncertainty
- Vision, Learning
- Autonomy, Physical Intelligence
- None of the given

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Question No : 40 of 52 Marks: 1 (Budgeted Time 1 Min)

Semantic networks are computationally expensive at _____

Answer (Please select your correct option)

- Start-time
- Run-time
- Compile-time
- End-time

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Question No : 41 of 52 Marks: 2 (Budgeted Time 4 Min)

Differentiate between global maxima and local maxima.

Answer (Please click here to Add Answer)

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Examination VU Examination System (... x)

Question No : 42 of 52 Marks: 2 (Budgeted Time 4 Min)

A person is using fuzzy system and he wants to know the Fuzzy inference systems. How can you elaborate the application fields of Fuzzy inference systems?

Answer (Please click here to Add Answer)

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Question No : 43 of 52 Marks: 2 (Budgeted Time 4 Min)

A person wants to know about the Find-S algorithm and you are considered as Find-S algorithm specialist. How can you elaborate the Find-S algorithm in a precise manner?

Answer (Please click here to Add Answer)

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Question No : 44 of 52 Marks: 2 (Budgeted Time 4 Min)

Give reason that why clustering algorithms are categorized as unsupervised learning?

Answer (Please click here to Add Answer)

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Question No : 45 of 52 Marks: 3 (Budgeted Time 6 Min)

Out of four main search strategies which search strategy is best to find out a solution when there are very large number of states in the solution space that we have to visit to find out a solution (2)? Also tell why it is best (1)?

Answer (Please click here to Add Answer)

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Question No : 46 of 52 Marks: 3 (Budgeted Time 6 Min)

A person wants to know about the Learning. How can you elaborate the learning and its importance?

Answer (Please click here to Add Answer)

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Examination VU Examination System (... x)

Question No : 47 of 52 Marks: 3 (Budgeted Time 6 Min)

Which term is best suited for a situation in which data in a problem can be separated into their respective classes by using a single straight line? Also give an example of such problem.

Answer (Please click here to Add Answer)

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Question No : 48 of 52 Marks: 3 (Budgeted Time 6 Min)

Which term is best suited for a subfield of Artificial Intelligence whose purpose is to study algorithms, techniques and applications that help us to make machines that can understand images and videos?

Answer (Please click here to Add Answer)

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Question No : 49 of 52 Marks: 5 (Budgeted Time 10 Min)

Why genetic algorithm is used in the biological theory of human evolution? Also elaborate its functioning.

Answer (Please click here to Add Answer)

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Question No : 50 of 52 Marks: 5 (Budgeted Time 10 Min)

Does Alpha Beta Pruning evaluates each and every node in the tree or not? Give reason to support your answer?

Answer (Please click here to Add Answer)

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Question No : 51 of 52 Marks: 5 (Budgeted Time 10 Min)

A person is using fuzzy system and he wants to know about the Fuzzy Inference System. How can you elaborate the parts of Fuzzy Inference System?

Answer (Please click here to Add Answer)

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The screenshot shows a web browser window titled "VU Examination System (CLIENT) VUTES 6.5 Fall 2012 (FinalTerm) - Windows Internet Explorer". The address bar shows "http://localhost/VUTES/client/Instructions.aspx". The page content includes:

- Question No : 52 of 52
- Marks: 5 (Budgeted Time 10 Min)
- Question text: "Increase in number of combinations in an instance space has no effect on number of combinations in a concept space. Do you agree with the statement or not? Give reason to support your answer?"
- Answer field: "Answer (Please click here to Add Answer)" with a rich text editor below it.
- Timer: "Start Time 9:52 PM", "119:00 Time Left" with a clock icon.
- Page number: "52" in the bottom right corner.

At the bottom right of the screenshot, there is a large watermark that reads "MADE BY WAQAR SIDDHU".

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