

Program: BE Computer Engineering

Curriculum Scheme: **Revised 2016**

Examination: **Final Year Semester VII**

Course Code: **CSC703** and Course Name: **AISC**

Time: 1-hour

Max. Marks: 50

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Note to the students: - All the Questions are compulsory and carry equal marks.

Q1.	The term Artificial Intelligence is introduced by _____, in _____?
Option A:	Alan Turing,1952
Option B:	John McCarthy,1956
Option C:	Alan Turing,1956
Option D:	John McCarthy,1952
Q2.	Find an incorrect option from the following?
Option A:	Thinking Humanly : Apple siri
Option B:	Thinking Rationally : Google assistant
Option C:	Acting Rationally : self driving car
Option D:	Acting Humanly : Dancing robot
Q3.	If an environment remains unchanged while the agent is performing given task then it is called as a _____ environment
Option A:	Static
Option B:	Dynamic
Option C:	Deterministic
Option D:	Discrete
Q4.	which of the following is not a type of an agent?
Option A:	Single reflex agent
Option B:	Model-based reflex agent
Option C:	Goal-based agent
Option D:	Utility-based agent
Q5.	DFS is _____ efficient and BFS is _____ efficient.
Option A:	Space, Time
Option B:	Time, Space
Option C:	Time, Time
Option D:	Space, Space
Q6.	Which instruments are used for perceiving and acting upon the environment?
Option A:	Sensors and Actuators

Option B:	Sensors
Option C:	Perceiver
Option D:	Actuators
Q7.	Which closely resembles propositional definite clause?
Option A:	Resolution
Option B:	Inference
Option C:	Conjunction
Option D:	First-order definite clauses
Q8.	In many problems the path to goal is irrelevant, this class of problems can be solved using _____
Option A:	Informed Search Techniques
Option B:	Uninformed Search Techniques
Option C:	Local Search Techniques
Option D:	Informed & Uninformed Search Techniques
Q9.	Which algorithm will work backward from the goal to solve a problem?
Option A:	Forward chaining
Option B:	Backward chaining
Option C:	Hill-climb algorithm
Option D:	A* algorithm
Q10.	What are the main cons of hill-climbing search?
Option A:	Terminates at local optimum & Does not find optimum solution
Option B:	Terminates at global optimum & Does not find optimum solution
Option C:	Does not find optimum solution & Fail to find a solution
Option D:	Fail to find a solution
Q11.	Which problem can frequently occur in backward chaining algorithm?
Option A:	Repeated states
Option B:	Completeness
Option C:	Complexity
Option D:	Redundant
Q12.	which among the following is popular inference system
Option A:	mamdani Inference system
Option B:	russell Inference system
Option C:	crisp inference sytem
Option D:	zadeh inference system
Q13.	How many logical connectives are there in artificial intelligence?
Option A:	2
Option B:	3
Option C:	4
Option D:	5

Q14.	Who is the founder of fuzzy logic?
Option A:	McCulloch-Pitts
Option B:	Zadeh Lotfi
Option C:	Venkatesh
Option D:	Mark Zuckerberg
Q15.	Manoj is younger than Raju such type of relationship can be best justified by
Option A:	Fuzzy set
Option B:	Neuron
Option C:	Neural Network
Option D:	Expert system
Q16.	What was the name of the first model which can perform weighted sum of inputs?
Option A:	McCulloch-Pitts neuron model
Option B:	Marvin Minsky neuron model
Option C:	Hopfield model of neuron
Option D:	Perceptron
Q17.	Which of the following uses linguistic variables which are the words or sentences in a natural language?
Option A:	Crisp logic
Option B:	Fuzzy logic
Option C:	Linear Algebra
Option D:	Logic set
Q18.	What is true regarding backpropagation rule?
Option A:	It is a feedback neural network
Option B:	Actual output is determined by computing the outputs of units for each hidden layer
Option C:	Hidden layers output is not all important, they are only meant for supporting input and output layers
Option D:	It was proposed by McCulloch-Pitts
Q19.	What is the role of defuzzifier?
Option A:	It simulates human decisions
Option B:	It stores the knowledge
Option C:	To convert the crisp input values
Option D:	Convert the fuzzy values into crisp values
Q20.	What are dendrites?
Option A:	Fibers of nerves
Option B:	Nuclear projections
Option C:	Another name for nucleus
Option D:	Soma

Q21.	Feature of ANN in which ANN creates its own organization or representation of information it receives during learning time is
Option A:	Adaptive Learning
Option B:	Self-Organization
Option C:	What-if analysis
Option D:	Supervised Learning
Q22.	Neuron can send _____ signal(s) at a time.
Option A:	Multiple
Option B:	Two
Option C:	One
Option D:	Three
Q23.	The inference engine is
Option A:	A method of organizing expert system knowledge into chunks.
Option B:	A strategy used to search through the rule base in an expert system
Option C:	A strategy for searching the rule base in an expert system that begins with information entered by the user
Option D:	The programming environment of an expert system
Q24.	Which of the following is not a Capabilities of Expert Systems?
Option A:	Advising
Option B:	Demonstrating
Option C:	Explaining
Option D:	Expanding
Q25.	Input segments of AI programming contain(s)?
Option A:	sound
Option B:	smell
Option C:	touch
Option D:	none of the mentioned