Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
1	Modern NLP algorithms are based on machine	TRUE	FALSE			Option1
2	Which search is complete and optimal when h(	Best-first search	Depth-first search	Recursive best-first search	A* search	Option4
3	The component of an Expert system is_____.	Knowledge Base	Inference Engine	User Interface	All of the above	Option4
4	The inference engine works on _____.	Forward Chaining	Fast Chaining	Central Chaining	None of the Mentioned	Option1
5	Which of the following is the branch of Artificial Intelligence?	Machine Learning	Cyber forensics	Full-Stack Developer	Network Design	Option1
6	Which is used for utility functions in game play	Linear polynomial	Weighted polynomial	Polynomial	Linear weighted polynomial	Option4
7	Which of the following produces hypotheses th	Machine Learning	ILP	First-order logic	Propositional logic	Option2
8	Which is not a property of representation of knowledge?	Representational Verification	Representational Adequacy	Inferential Adequacy	Inferential Efficiency	Option1
9	What is the other name of the backward state-s	Regression planning	Progression planning	State planning	Test planning	Option1
10	Among the given options, which is not the required property of Knowledge representation?	Inferential Efficiency	Inferential Adequacy	Representational Verification	Representational Adequacy	Option3
11	A.M. turing developed a technique for determining whether a computer could or could not demonstrate the artificial Intelligence, Presently, this technique is called	Logarithm	Algorithm	Boolean Algebra	Turing Test	Option4
12	A heuristic is a way of trying _____	To discover something or an idea embedded in a program	To search and measure how far a node in a search tree seems to be from a goal	To compare two nodes in a search tree to see if one is better than the other is	All of the mentioned	Option4
13	Which algorithm is used in the Game tree to make decisions of Win/Lose?	Heuristic Search Algorithm	DFS/BFS algorithm	Greedy Search Algorithm	Min/Max algorithm	Option4
14	Artificial Intelligence has evolved extremely in	Web mining	Construction of plans in real time dynamic systems	Understanding natural language robustly	All of the mentioned	Option4

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
15	In perceptron learning, what happens when inp	small adjustments in weight is done	large adjustments in weight is done	no adjustments in weight is done	weight adjustments doesn't depend on classification of input vector	Option3
16	In artificial Intelligence, knowledge can be represented as_____.	Predicate Logic and Propositional Logic	Compound Logic	Machine Logic	all of the mentioned	Option1
17	Strong Artificial Intelligence is _____	the embodiment of human intellectual capabilities within a computer	a set of computer programs that produce output that would be considered to reflect intelligence if it were generated by humans	the study of mental faculties through the use of mental models implemented on a computer	all of the mentioned	Option1
18	What is used in determining the nature of the le	Environment	Feedback	Problem	None of the Mentioned	Option2
19	Select the most appropriate situation for that a blind search can be used.	Real-life situation	Small Search Space	Complex game	All of the above	Option2
20	Which search implements stack operation for s	Depth-limited search	Iterative deepening search	Depth-first search	Bidirectional search	Option3
21	Which algorithm is used to solve any kind of p	Breadth-first algorithm	Tree algorithm	Bidirectional search algorithm	Graph Directional	Option2
22	The exploration problem is where_____.	Agent contains the knowledge of State and actions.	Agent does not contain the knowledge of State and actions.	Only actions are known to the agent.	None of the Mentioned	Option2
23	Which search strategy is also called as blind se	Uninformed search	Informed search	Simple reflex search	None of the Mentioned	Option1
24	Which closely resembles propositional definite	Resolution	Inference	Conjunction	First-order definite clauses	Option4
25	Which of the following is not a type of Artifici	Learning AI agent	Goal-based AI agent	Simple reflex AI agent	Unity-based AI agent	Option4
26	Who is the inventor of Artificial Intelligence?	Geoffrey Hinton	Andrew Ng	John McCarthy	Jürgen Schmidhuber	Option3

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
27	A robot's "arm" is also known as its	end effector	actuator	manipulator	servomechanism	Option3
28	Which search is implemented with an empty fir	Depth-first search	Breadth-first search	Bidirectional search	None of the mentioned	Option2
29	Which of the following, is a component of an expert system?	inference engine	knowledge base	user interface	all of the mentioned	Option4
30	Which of the following is an application of Artificial Intelligence?	It helps to exploit vulnerabilities to secure the firm	Natural Language Processing	Easy to create a website	It helps to deploy applications on the cloud	Option2
31	An Algorithm is said as Complete algorithm if_____	It ends with a solution	It begins with a solution.	It does not end with a solution.	It contains a loop	Option1
32	What is the goal of Artificial Intelligence?	To solve artificial problems	To extract scientific causes	To explain various sorts of intelligence	To solve real-world problems	Option3
33	Which statement is valid for the Heuristic func	The heuristic function is used to solve mathematical problems.	The heuristic function takes parameters of type string and returns an integer value.	The heuristic function does not have any return type.	The heuristic function calculates the cost of an optimal path between the pair of states.	Option4
34	Which agent deals with the happy and unhappy state?	Utility-based agent	Model-based agent	Goal-based Agent	Learning Agent	Option1
35	What is Artificial Intelligence?	Artificial Intelligence is a field that aims to make humans more intelligent	Artificial Intelligence is a field that aims to improve the security	Artificial Intelligence is a field that aims to develop intelligent machines	Artificial Intelligence is a field that aims to mine the data	Option3
36	What is back propagation?	It is another name given to the curvy function in the perceptron	It is the transmission of error back through the network to adjust the inputs	It is the transmission of error back through the network to allow weights to be adjusted so that the network can learn	None of the mentioned	Option3
37	What is full form of NLU?	Nature Language Understanding	Natural Long Understanding	Natural Language Understanding	None of the Mentioned	Option3

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
38	What are the input and output of an NLP system?	Speech and noise	Speech and Written Text	Noise and Written Text	Noise and value	Option2
39	Which term describes the common-sense of the	Values-based	Critical	Analytical	Heuristic	Option4
40	OCR (Optical Character Recognition) uses NL	TRUE	FALSE			Option1
41	Which method is used to search better by learn	Best-first search	Depth-first search	Metalevel state space	None of the mentioned	Option3
42	A process that is repeated, evaluated, and refined is called _____	diagnostic	descriptive	interpretive	iterative	Option4
43	What is the function of an Artificial Intelligence "Agent"?	Mapping of goal sequence to an action	Work without the direct interference of the people	Mapping of precept sequence to an action	Mapping of environment sequence to an action	Option3
44	In 1985, the famous chess player David Levy beat a world champion chess program in four straight games by using orthodox moves that confused the program. What was the name of the chess program?	Kaissa	CRAY BLITZ	Golf	DIGDUG	Option2
45	Which search method will expand the node tha	Greedy best-first search	Best-first search	A* search	Recursive best-first search	Option1
46	Many words have more than one meaning; we	Fuzzy Logic	Word Sense Disambiguation	Shallow Semantic Analysis	None of the Mentioned	Option2
47	NLP is concerned with the interactions betwee	TRUE	FALSE			Option1
48	Full form of BFS	Best Full Search	Breadth First Search	Best Fine Search	Best Fill Search	Option2
49	The available ways to solve a problem of state-space-search.	1	2	3	4	Option2
50	What is full form of NLG?	Natural Language Generation	Natural Language Genes	Natural Language Growth	Natural Language Generator	Option1
51	MCC is investigating the improvement of the r	computer-aided design	human factors	parallel processing	None of the Mentioned	Option2
52	Which search method takes less memory?	Depth-First Search	Breadth-First search	Optimal search	Linear Search	Option1
53	What will happen if a predecessor description i	Success	Error	Compilation	Termination	Option4
54	Among the given options, which search algorithm requires less memory?	Optimal Search	Depth First Search	Breadth-First Search	Linear Search	Option2

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
55	"He lifted the beetle with red cap." contain which type of ambiguity ?	Lexical ambiguity	Syntax Level ambiguity	Referential ambiguity	None of the Mentioned	Option2
56	Which of the following environment is strateg	Rational	Deterministic	Partial	Stochastic	Option2
57	In how many categories process of Artificial In	categorized into 5 categories	processes are categorized based on the input provided	categorized into 3 categories	process is not categorized	Option3
58	What is meant by consistent in state-space sear	Change in the desired literals	Not any change in the literals	No change in goal state	None of the mentioned	Option2
59	How many types of informed search method ar	1	2	3	4	Option4
60	If the output produces nonconvex regions, then	2	3	4	5	Option3
61	An algorithm is complete if _____	It terminates with a solution when one exists	It starts with a solution	It does not terminate with a solution	It has a loop	Option1
62	How many types are available in machine learn	1	2	3	4	Option3
63	Which of the given language is not commonly used for AI?	LISP	PROLOG	Python	Perl	Option4
64	Which will solve the conjuncts of the rule so th	Constraint variable	Conjunct ordering	Data complexity	Data Simplex	Option2
65	Full form of AI	Artificial Interaction	Artificial Intermidiate	Artificial Intelligence	Intelligence Artificial	Option3
66	In a three layer network, shape of dividing surf	number of units in second layer	number of units in third layer	number of units in second and third layer	none of the mentioned	Option1
67	What are the main components of the expert sy	Inference Engine	Knowledge Base	Inference Engine & Knowledge Base	None of the mentioned	Option3
68	The total number of proposition symbols in AI	3 proposition symbols	1 proposition symbols	2 proposition symbols	No proposition symbols	Option3
69	_____ is the step in which an input sentence is converted into a hierarchical structure that corresponds to the units of meaning in the sentence.	Syntactic Processing	Semantic Processing	Graph Processing	None of the Mentioned	Option1
70	In linguistic morphology _____ is th	Rooting	Stemming	Text-Proofing	None of the Mentioned	Option2
71	As dimensionality of input vector increases, wh	increases	decreases	no effect	doesn't depend on dimensionality	Option2

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
72	What is the other name of informed search stra	Simple search	Local Search	Online search	Heuristic search	Option4
73	Which function will select the lowest expansio	Greedy best-first search	Best-first search	Depth-first search	None of the mentioned	Option2
74	How many possible sources of complexity are	1	2	3	4	Option3
75	Which search algorithm imposes a fixed depth	Depth-limited search	Iterative deepening search	Depth-first search	Bidirectional search	Option3
76	Why are linearly separable problems of interest	Because they are the only class of problem that network can solve successfully	Because they are the only class of problem that Perceptron can solve successfully	Because they are the only mathematical functions that are continue	Because they are the only mathematical functions you can draw	Option2
77	Which search uses the problem specific knowle	Informed search	Depth-first search	Breadth-first search	Uninformed search	Option1
78	What is Machine Translation?	Converts one human language to another	Converts human language to machine language	Converts any human language to English	Converts Machine language to human language	Option1
79	How many Components of NLP are there?	2	3	4	5	Option1
80	An algorithm A is admissible if _____	It is not guaranteed to return an optimal solution when one exists	It is guaranteed to return an optimal solution when one exists	It returns more solutions, but not an optimal one	It guarantees to return more optimal solutions	Option2
81	Graphic interfaces were first used in a Xerox product called _____	InterLISP	Ethernet	Smalltalk	ZetaLISP	Option3
82	In linguistic morphology _____ is the process for reducing inflected words to their root form.	Rooting	Stemming	Text-Proofing	None of the Mentioned	Option2
83	Which algorithm takes two sentences as input and returns a Unifier?	Inference	Hill-Climbing	Unify algorithm	Depth-first search	Option3
84	A Personal Consultant knowledge base contain information in the form of	parameters	contexts	production rules	all of the mentioned	Option4
85	What is a heuristic function?	A function to solve mathematical problems	A function which takes parameters of type string and returns an integer value	A function whose return type is nothing	A function that maps from problem state descriptions to measures of desirability	Option4

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
86	_____ number of informed search method are there in Artificial Intelligence.	4	3	2	1	Option1
87	Which search uses only the linear space for sea	Best-first search	Depth-first search	Recursive best-first search	A* Search	Option3
88	What will take place as the agent observes its i	Learning	Hearing	Perceiving	Speech	Option1
89	If according to the hypothesis, the result should be positive, but in fact it is negative, then it is known as_____.	False Negative Hypothesis	False Positive Hypothesis	Specialized Hypothesis	Consistent Hypothesis	Option1
90	Factors which affect the performance of learner	Representation scheme used	Training scenario	Type of feedback	Good data structures	Option4
91	Which of the following machine requires input	Actuators	Sensor	Agents	AI system	Option4
92	Which rule is applied for the Simple reflex agent?	Simple-action rule	Simple &Condition-action rule	Condition-action rule	None of the Mentioned	Option3
93	The "Turing Machine" showed that you could u	binary	electro-chemical	recursive	semantic	Option1
94	A computer vision technique that relies on image templates is _____	edge detection	binocular vision	model-based vision	robot vision	Option3
95	Which approach is to pretend that a pure divide	Goal independence	Subgoal independence	Goal & Subgoal independence	None of the mentioned	Option2
96	What is the main advantage of backward state-s	Cost	Actions	Relevant actions	None of the Mentioned	Option3
97	The total number of logical symbols in AI are _	There are 3 logical symbols	There are 5 logical symbols	Number of logical symbols are based on the input	Logical symbols are not used	Option2
98	How many types of Machine Learning are there?	1	2	3	4	Option3
99	Which modifies the performance element so th	Performance element	Changing element	Learning element	None of the mentioned	Option3
100	Which of the following option is used to build complex sentences in knowledge representation?	Symbols	Connectives	Quantifier	None of the Mentioned	Option2
101	Which of the following is used study of construction of words from primitive meaningful units?	Phonology	Morphology	Morpheme	Shonology	Option2
102	Which will be the instance of the class datalog	Variables	No function symbols	First-order definite clauses	None of the mentioned	Option2

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
103	Which of the following is a component of Artificial Intelligence?	Learning	Training	Designing	Puzzling	Option2
104	Which of the given element improve the performance of AI agent so that it can make better decisions?	Changing Element	Performance Element	Learning Element	None of the Mentioned	Option3
105	What is the problem space of means-end analys	An initial state and one or more goal states	One or more initial states and one goal state	One or more initial states and one or more goal state	One initial state and one goal state	Option1
106	Which of the following is not the promise of ar	It can explain result	It can survive the failure of some nodes	It has inherent parallelism	It can handle noise	Option1
107	In state-space, the set of actions for a given problem is expressed by the_____.	Intermediate States	Successor function that takes current action and returns next state	Initial States	None of the Mentioned	Option2
108	How many types are available in uninformed se	3	4	5	6	Option3
109	Which is used to improve the performance of h	Quality of nodes	Quality of heuristic function	Simple form of nodes	None of the mentioned	Option2
110	Neural Networks are complex _____	Linear Functions	Nonlinear Functions	Discrete Functions	Exponential Functions	Option1
111	Which of the following can improve the perfor	Perceiving	Learning	Observing	Securing	Option2
112	Which of the following is also called as explora	Supervised learning	Active learning	Unsupervised learning	Reinforcement learning	Option3
113	Which of the following is merits of Context-Free Grammar?	simplest style of grammar	They are highly precise.	High speed	None of the Mentioned	Option1
114	Which is true regarding BFS (Breadth First Sea	BFS will get trapped exploring a single path	The entire tree so far been generated must be stored in BFS	BFS is not guaranteed to find a solution if exists	BFS is nothing but Binary First Search	Option2
115	In a three layer network, number of classes is d	number of units in second layer	number of units in third layer	number of units in second and third layer	none of the mentioned	Option2
116	What is the name of the Artificial Intelligence	program known as BACON	system known as STUDENT	program known as SHRDLU	system known as SIMD	Option2

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
117	The best AI agent is one which_____	Needs user inputs for solving any problem	Can solve a problem on its own without any human intervention	Need a similar exemplary problem in its knowledge base	all of the mentioned	Option2
118	The decision tree algorithm reaches its destination using_____.	Single Test	Two Test	No test	Sequence of test	Option4
119	On what factor the number of outputs depends?	distinct inputs	distinct classes	distinct outputs	none of the mentioned	Option2
120	What is the other name for forward state-space	Progression planning	Regression planning	Test planning	Code Planning	Option1
121	When two classes can be separated by a separat	linearly separable	linearly inseparable classes	may be separable or inseparable, it depends on system	none of the mentioned	Option1
122	Procedural Domain Knowledge in a rule-based system is classified in the form of _____.	Control Rules	Production Rules	Meta Rules	None of the Mentioned	Option2
123	What is Coreference Resolution?	Anaphora Resolution	Given a sentence or larger chunk of text, determine which words ("mentions") refer to the same objects ("entities")	Morphological Resolution	None of the mentioned	Option2
124	Full form OCR is _____	Optical Character Reconsitent	Optical Character Recounsil	Optical Character Recognition	Optical Chunk Recongnition	Option3
125	Web Crawler is an example of_____.	Intelligent Agent	Problem-solving agent	Simple reflex agent	Model-based agent	Option1
126	The network that involves backward links from	Self organizing maps	Perceptrons	Recurrent neural network	Multi layered perceptron	Option3
127	What is the objective of perceptron learning?	class identification	weight adjustment	adjust weight along with class identification	none of the mentioned	Option3
128	What is the condition of variables in first-order	Existentially quantified	Universally quantified	Distinct quantified	None of the mentioned	Option2

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
129	Which of the following is an example of active	News Recommender system	Dust cleaning machine	Automated vehicle	None of the mentioned	Option1
130	The process of capturing the inference process as Single Inference Rule is known as:	Clauses	Ponens	Generalized Modus Ponens	Variables	Option3
131	Which of the following is used to mapping sentence plan into sentence structure?	Text planning	Sentence planning	Text Realization	None of the Mentioned	Option3
132	How the decision tree reaches its decision?	Single test	Two test	Sequence of test	No test	Option3
133	What is the main challenge/s of NLP?	Handling Ambiguity of Sentences	Handling Tokenization	Handling POS-Tagging	None of the Mentioned	Option1
134	Full form of DFS	Depth Fill Search	Depth Full Search	Depth First Search	Depth Find Search	Option3
135	What is Morphological Segmentation?	Does Discourse Analysis	Separate words into individual morphemes and identify the class of the morphemes	Is an extension of propositional logic	None of the mentioned	Option2
136	Which AI technique enables the computers to understand the associations and relationships between objects and events?	Heuristic Processing	Cognitive Science	Relative Symbolism	Pattern Matching	Option4
137	First order logic Statements contains_____.	Predicate and Preposition	Subject and an Object	Predicate and Subject	None of the mentioned	Option3
138	Face Recognition system is based on which typ	Weak AI approach	Applied AI approach	Cognitive AI approach	Strong AI approach	Option2
139	Automated vehicle is an example of _____	Supervised learning	Unsupervised learning	Active learning	Reinforcement learning	Option1
140	How many steps of NLP is there?	3	4	5	6	Option3
141	A knowledge-based agent can be defined with _____ levels.	2 Levels	3 Levels	4 Levels	5 Levels	Option2
142	Among the given options, which is also known as inference rule?	Reference	Reform	Resolution	None of the Mentioned	Option3

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
143	What is Weak AI?	the study of mental faculties using mental models implemented on a computer	the embodiment of human intellectual capabilities within a computer	a set of computer programs that produce output that would be considered to reflect intelligence if it were generated by humans	all of the mentioned	Option1
144	What is the total number of quantification avail	4	3	1	2	Option4
145	Which of the following does not include differe	Memorization	Analogy	Deduction	Introduction	Option4
146	IR (information Retrieval) and IE (Information	TRUE	FALSE			Option2
147	Given a sound clip of a person or people speak	Text-to-speech	Speech-to-text	Sign-to-text	None of the mentioned	Option2
148	Which knowledge base is called as fixed point?	First-order definite clause are similar to propositional forward chaining	First-order definite clause are mismatch to propositional forward chaining	Last-order definite clause are mismatch to propositional forward chaining	Last-order definite clause are similar to propositional forward chaining	Option1
149	What is full form of NLP?	Natural Language Processing	Nature Language Processing	Natural Language Process	Natural Language pages	Option1
150	Which condition is used to cease the growth of	Atomic sentences	Complex sentences	No further inference	None of the Mentioned	Option3
151	An AI agent perceives and acts upon the environment using____.	Sensors and Perceiver	Actuators	Effectors	Environment	Option1
152	Which is the most straightforward approach for	Best-first search	State-space search	Depth-first search	Hill-climbing search	Option2
153	Based on which of the following parameter Art	Based on functionally only	Based on capabilities only	Based on capabilities and functionally	It is not categorized	Option3
154	The explanation facility of an expert system may be used to _____	construct a diagnostic model	expedite the debugging process	explain the system's reasoning process	expedite the debugging process & explain the system's reasoning process	Option4
155	How many ways are available to solve the state	1	2	3	4	Option2

Sr. No.	Question	Option1	Option2	Option3	Option4	Answer
156	When is breadth-first search is optimal?	When there is less number of nodes	When all step costs are equal	When all step costs are unequal	None of the mentioned	Option2
157	In which of the following learning the teacher r	Active learning	Reinforcement learning	Supervised learning	Unsupervised learning	Option2
158	Ways to achieve AI in real-life are_____.	Machine Learning and Deep Learning	Iterative Learning	Regressive Learning	None of the Mentioned	Option1
159	The main tasks of an AI agent are_____.	Input and Output	Moment and Humanly Actions	Perceiving, thinking, and acting on the environment	Reacting on Action	Option3
160	How to eliminate the redundant rule matching a	Decremental forward chaining	Incremental forward chaining	Data complexity	None of the mentioned	Option2