

### CS607-ARTIFICIAL **INTELLIGENTS**

(Solved Macq's) LECTURE FROM (23 to 45)

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	PG # 205
False	
Genetic algorithms have been emp	ployed in finding the optimal initial weights of neura
networks.	DC # 205
Irue	PG # 205
<ul> <li>False</li> <li>Which is an abataning algorithm</li> </ul>	(-)
5. which is/are clustering algorithm	1(5)
k-means	
Linear vector quantization	
<ul> <li>All of the given</li> </ul>	PG # 205
4. Any given learning problem is pr	imarily composed ofthings
4	
	PG # 164
E Europy la gia is a subset of conven	tional (Daslaan) lagia
5. Fuzzy logic is a subset of conven	tional (Boolean) logic.
<ul> <li>Ifue</li> <li>False</li> </ul>	DC + 147
<ul> <li>False</li> <li>6 A square is used to represent a Fu</li> </ul>	PG # 147
True	izzy set.
$\blacktriangleright$ False PG $\pm 151$	
<b>7</b>	
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> </ul>	g <mark># 129</mark>
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is use</li> </ul>	g <mark># 129</mark> ed when the facts of the case are likely to change aft
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is use some time</li> <li>Non-Monotonia</li> </ul>	g # 129 ed when the facts of the case are likely to change aft PC # 103
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is use some time</li> <li>Non-Monotonic</li> <li>Common-sense</li> </ul>	g # 129 ed when the facts of the case are likely to change aft <b>PG # 103</b>
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8 reasoning is us some time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> </ul>	g <mark># 129</mark> ed when the facts of the case are likely to change aft <b>PG # 103</b>
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is ussome time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> </ul>	g # 129 ed when the facts of the case are likely to change aft <b>PG # 103</b>
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is us some time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normality</li> </ul>	g # 129 ed when the facts of the case are likely to change aft <b>PG # 103</b> al form (CNF) consists of
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is us some time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normation of ANDs</li> </ul>	g # 129 ed when the facts of the case are likely to change aft <b>PG # 103</b> al form (CNF) consists of
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is ussome time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normation of ANDs</li> <li>ANDs</li> </ul>	g # 129 ed when the facts of the case are likely to change aft <b>PG # 103</b> al form (CNF) consists of
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<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>reasoning is us some time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normation of ANDs</li> <li>ANDs</li> <li>ANDs of Ors.</li> <li>Ors</li> </ul>	g # 129 ed when the facts of the case are likely to change aft PG # 103 al form (CNF) consists of PG # 107
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>reasoning is us some time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normation of ANDs</li> <li>ANDs</li> <li>ANDs of Ors.</li> <li>Ors</li> <li>10. An expert system may take</li> </ul>	g # 129 ed when the facts of the case are likely to change aft PG # 103 al form (CNF) consists of PG # 107 main roles, relative to the human expert.
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is us some time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normation of ANDs</li> <li>ANDs</li> <li>ANDs</li> <li>ANDs of Ors.</li> <li>Ors</li> <li>10. An expert system may take</li> <li>Two</li> </ul>	g # 129 ed when the facts of the case are likely to change aft PG # 103 al form (CNF) consists of PG # 107 main roles, relative to the human expert. PG # 113
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>reasoning is ussome time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normation of ANDs</li> <li>ANDs</li> <li>ANDs of Ors.</li> <li>Ors</li> <li>10. An expert system may take</li> <li>Two</li> <li>Three</li> </ul>	g # 129 ed when the facts of the case are likely to change aft PG # 103 al form (CNF) consists of PG # 107 main roles, relative to the human expert. PG # 113
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is us some time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normation of ANDs</li> <li>ANDs</li> <li>ANDs of Ors.</li> <li>Ors</li> <li>10. An expert system may take</li> <li>Two</li> <li>Three</li> <li>Four</li> </ul>	g # 129 ed when the facts of the case are likely to change aft PG # 103 al form (CNF) consists of PG # 107 main roles, relative to the human expert. PG # 113
<ul> <li>Resource allocation</li> <li>Task phasing and schedulin</li> <li>None of the given PG</li> <li>8reasoning is ussome time</li> <li>Non-Monotonic</li> <li>Common-sense</li> <li>Analogical</li> <li>Abductive</li> <li>9. A statement in conjunctive normation of ANDs</li> <li>ANDs</li> <li>ANDs</li> <li>ANDs of Ors.</li> <li>Ors</li> <li>10. An expert system may take</li> <li>Four</li> <li>Four</li> <li>Five</li> </ul>	g # 129 ed when the facts of the case are likely to change aft PG # 103 al form (CNF) consists of PG # 107 main roles, relative to the human expert. PG # 113

#### **L-JUNAID TECH INSTITUTE** Proof, Hypothesis ► Hypothesis, Experiment Proof. Conclusion 12. Which one is the general stage of the expert system development life cycle: Feasibility study Rapid prototyping Alpha system (in-house verification) All of the given PG # 129 13. In CLIPS, the command to load file is: CLIPS (load "filename.clp") PG # 137 CLIPS (load "filename") CLIPS ("filename.clp") CLIPS ( open "filename.clp") 14. In Linear Model, a linear sequence of steps is applied repeatedly in an iterative fashion to develop the ExpertSystem. **True PG # 129 False** \_\_\_\_\_is the bottleneck in the construction of expert system. 15. Planning Knowledge acquisition **PG # 130** Knowledge Design Code 16. Select the category that does NOT belong to Elicitation methods. Direct methods Indirect methods Informal discussions Formal discussions **PG # 131** 17. Inference networks encode the knowledge of rules and ► Facts strategies **PG # 132** conditions none of the given 18. A classical set is a container, which wholly includes or wholly excludes any given element. True **PG # 145 False** 19. is the process by which the fuzzy sets that represent the outputs of each rule are combined into a single fuzzy set. Aggregation **PG # 157** > Fuzzification Implication None of the given 20. Aggregation only occurs once for each output variable, just after the fifth and final



30. A single layer pe	erceptron can not perform pattern classification on linearly separab
True	
False	PG # 186
31 Each neuron in t	he hidden laver is responsible for a different
Laver	
Neuron	
None of the given	
Line	PG # 186
32. In ANNs. Trainin	g is the heart of learning, in which finding the best that
covers most of th	eexamples is the objective
Hynothesis	PC # 180
Neuron	
Agent	
Operator	
33 Action is a	used to change states
Predicate	<u>PG # 198</u>
Function	
Operator	
None of the given 34. Clustering is a for Supervised	orm oflearning.
None of the given 34. Clustering is a for Supervised Unsupervised	orm oflearning. PG # 205
None of the given 34. Clustering is a for Supervised <b>Unsupervised</b> Guided	orm oflearning. PG # 205
None of the given 34. Clustering is a fo Supervised <b>Unsupervised</b> Guided Unguided 25. Clustering is a fo	orm oflearning. PG # 205
None of the given 34. Clustering is a for Supervised <b>Unsupervised</b> Guided Unguided 35. Clustering is a for	orm oflearning. PG # 205 orm of unsupervised learning.
None of the given 34. Clustering is a for Supervised <b>Unsupervised</b> Guided Unguided 35. Clustering is a for <b>True</b> False	orm oflearning. PG # 205 orm of unsupervised learning. PG#205
None of the given 34. Clustering is a for Supervised <b>Unsupervised</b> Guided Unguided 35. Clustering is a for <b>True</b> False 36. A concept is the	orm oflearning. PG # 205 orm of unsupervised learning. PG#205
None of the given 34. Clustering is a for Supervised <b>Unsupervised</b> Guided Unguided 35. Clustering is a for <b>True</b> False 36. A concept is the	orm oflearning. PG # 205 orm of unsupervised learning. PG#205 representation of the problem with respect to the given attributes.
None of the given 34. Clustering is a for Supervised <b>Unsupervised</b> Guided Unguided 35. Clustering is a for <b>True</b> False 36. A concept is the <b>True</b>	orm oflearning. PG # 205 orm of unsupervised learning. PG#205 representation of the problem with respect to the given attributes. PG#167
None of the given 34. Clustering is a for Supervised <b>Unsupervised</b> Guided Unguided 35. Clustering is a for <b>True</b> False 36. A concept is the <b>True</b> False	orm oflearning. PG # 205 orm of unsupervised learning. PG#205 representation of the problem with respect to the given attributes. PG#167
None of the given 34. Clustering is a for Supervised Unsupervised Guided Unguided 35. Clustering is a for True False 36. A concept is the True False 45. Which one is not	orm oflearning. PG # 205 orm of unsupervised learning. PG#205 representation of the problem with respect to the given attributes. PG#167 step involved in the planning phase of Linear model for expert
None of the given 34. Clustering is a for Supervised <b>Unsupervised</b> Guided Unguided 35. Clustering is a for <b>True</b> False 36. A concept is the <b>True</b> False 45. Which one is not systems	orm oflearning. PG # 205 orm of unsupervised learning. PG#205 representation of the problem with respect to the given attributes. PG#167 step involved in the planning phase of Linear model for expert
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None of the given 34. Clustering is a for Supervised Unsupervised Guided Unguided 35. Clustering is a for True False 36. A concept is the True False 45. Which one is not systems Feasibility assessme Resource allocation Task phasing and so	orm oflearning. PG # 205 orm of unsupervised learning. PG#205 representation of the problem with respect to the given attributes. PG#167 step involved in the planning phase of Linear model for expert ent
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None of the given 34. Clustering is a for Supervised Unsupervised Guided Unguided 35. Clustering is a for True False 36. A concept is the True False 45. Which one is not systems Feasibility assessme Resource allocation Task phasing and soc None of the given 46. Breadth-First Sea paths.	orm oflearning. PG # 205 orm of unsupervised learning. PG#205 representation of the problem with respect to the given attributes. PG#167 step involved in the planning phase of Linear model for expert ent cheduling PG#129 reh checks all paths of a given length before moving on to any long
None of the given 34. Clustering is a for Supervised Unsupervised Guided Unguided 35. Clustering is a for True False 36. A concept is the True False 45. Which one is not systems Feasibility assessme Resource allocation Task phasing and soc None of the given 46. Breadth-First Sea paths. True	orm oflearning. PG # 205 orm of unsupervised learning. PG#205 representation of the problem with respect to the given attributes. PG#167 step involved in the planning phase of Linear model for expert ent cheduling PG#129 rch checks all paths of a given length before moving on to any long

AND	DC # 107
ANDS OF UTS.	PG # 107
48 The goal of an Assisting Expert	is to aid an expert in a routine tasks to increase
<ul> <li>Planning</li> </ul>	is to aid an expert in a routine tasks to mercuse
Execution	
Productivity	PG # 114
Correctness	
49. Which one is the general stage of	of the expert system development life cycle:
Feasibility study	
Alpha system (in house verification	
All of the given	<b>PG # 129</b>
50. The Linear model of software de	evelopment has been successfully used in developing
systems.	DC # 130
Software	FG#127
<ul> <li>Design</li> </ul>	
Logical	
Code	
All of the given	PG # 129
52. The Defrule construct is used to	rules.
define	
• add	PG # 135
• declare	
none of the given	
53. The goal of knowledge analysis	is to analyze and structure thegained
during the knowledgeacquisitio	n phase.
Knowledge	PG # 131
tacts	
r nues	
conclusions	
conclusions	
<ul><li>conclusions</li><li>54. Inference networks encode the k</li></ul>	nowledge of rules and
<ul> <li>conclusions</li> <li>54. Inference networks encode the k</li> <li>facts</li> </ul>	nowledge of rules and
<ul> <li>conclusions</li> <li>54. Inference networks encode the k</li> <li>facts</li> <li>strategies</li> <li>conditions</li> </ul>	nowledge of rules and PG # 132

Classical       PG # 146         Physical       Universal         None of the given       56. Reasoning in fuzzy logic is just a matter of generalizing the familiar logic.         Solean       PG # 147         Complex       Coagnitive         Supervised       57.         Jogic lets us define more realistically the true functions that define real wor scenarios.         P Fuzzy       PG # 148         Classical       Boolean         None of the given         58. The degree of truth that we have been talking about is specifically driven out by a function.         Membership       PG # 149         Ordinary         Fuzzy         Inline         59. Usually agraph is chosen to represent a fuzzy set.         Triangular       PG # 151         Circular         Conical         None of the given         60. In Fuzzy Rules there are two parts to the antecedent, and they have a/an operator in between them.         AND         OR       PG # 153         NOT         None of the given         61. If the antecedent is only partially true, then the output fuzzy set is truncated according to themethod.         Intrinsic         Implication       PG # 153	wholly in either set A or ins	set not-A.
<ul> <li>Physical</li> <li>Universal</li> <li>None of the given</li> <li>56. Reasoning in fuzzy logic is just a matter of generalizing the familiar logic.</li> <li>Boolean PG # 147</li> <li>Complex</li> <li>Coagnitive</li> <li>Supervised</li> <li>57 logic lets us define more realistically the true functions that define real wor scenarios.</li> <li>Fuzzy PG # 148</li> <li>Classical</li> <li>Boolean</li> <li>None of the given</li> <li>58. The degree of truth that we have been talking about is specifically driven out by a function.</li> <li>Membership PG # 149</li> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually a graph is chosen to represent a fuzzy set.</li> <li>Triangular PG # 151</li> <li>Concial</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two parts to the antecedent, and they have a/an operator in between them.</li> <li>AND</li> <li>OR PG # 153</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only partially true, then the output fuzzy set is truncated according to the method.</li> <li>Intrinsie</li> <li>Implication PG # 153</li> <li>Boolean</li> <li>None of the given</li> <li>62. The role of tester is often called the critic.</li> </ul>	Classical	<b>PG # 146</b>
<ul> <li>Universal</li> <li>None of the given</li> <li>56. Reasoning in fuzzy logic is just a matter of generalizing the familiar logic.</li> <li>Boolean PG # 147</li> <li>Complex</li> <li>Coagnitive</li> <li>Supervised</li> <li>57logic lets us define more realistically the true functions that define real wor scenarios.</li> <li>Fuzzy PG # 148</li> <li>Classical</li> <li>Boolean</li> <li>None of the given</li> <li>58. The degree of truth that we have been talking about is specifically driven out by a function called thefunction.</li> <li>Membership PG # 149</li> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually a graph is chosen to represent a fuzzy set.</li> <li>Triangular PG # 151</li> <li>Circular</li> <li>Concial</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two parts to the antecedent, and they have a/an operator in between them.</li> <li>AND</li> <li>OR PG # 153</li> <li>Nor fhe given</li> <li>61. If the antecedent is only partially true, then the output fuzzy set is truncated according to themethod.</li> <li>Intrinsic</li> <li>Implication PG # 153</li> <li>Boolean</li> <li>None of the given</li> <li>62. The role of tester is often called the critic.</li> </ul>	Physical	
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56. Reasoning in fuzzy logic is just a matter of generalizing the familiar logic.         • Boolean       PG # 147         • Complex       • Coagnitive         • Supervised       57 logic lets us define more realistically the true functions that define real wor scenarios.         • Fuzzy       PG # 148         • Classical       Boolean         • None of the given       58. The degree of truth that we have been talking about is specifically driven out by a function called thefunction.         • Membership       PG # 149         • Ordinary       • Fuzzy         • Fuzzy       • Inline         59. Usually a graph is chosen to represent a fuzzy set.         • Triangular       PG # 151         • Circular       • Concical         • None of the given       60. In Fuzzy Rules there are two parts to the antecedent, and they have a/an operator in between them.         • AND       • OR         • OR       PG # 153         • None of the given         61. If the antecedent is only partially true, then the output fuzzy set is truncated according to themethod.         • Intrinsic       • Implication         • Intrinsic       • PG # 153         • Boolean       • None of the given         62. The role of tester is often called the critic.	None of the given	
Boolean       PG # 147         Complex       Coagnitive         Supervised       57 logic lets us define more realistically the true functions that define real wor scenarios.         Fuzzy       PG # 148         Classical       Boolean         None of the given       58. The degree of truth that we have been talking about is specifically driven out by a function called thefunction.         Membership       PG # 149         Ordinary       Fuzzy         Fuzzy       Inline         59. Usually agraph is chosen to represent a fuzzy set.         Triangular       PG # 151         Circular       Coricial         None of the given         60. In Fuzzy Rules there are two parts to the antecedent, and they have a/an operator in between them.         AND         OR       PG # 153         None of the given         61. If the antecedent is only partially true, then the output fuzzy set is truncated according to themethod.         Intrinsic       Implication         PG # 153         Boolean         None of the given         62. The role of tester is often called the critic.	56. Reasoning in fuzzy logic is	just a matter of generalizing the familiar logic.
<ul> <li>Complex</li> <li>Coagnitive</li> <li>Supervised</li> <li>57logic lets us define more realistically the true functions that define real wor scenarios.</li> <li>Fuzy PG # 148</li> <li>Classical</li> <li>Boolean</li> <li>None of the given</li> <li>58. The degree of truth that we have been talking about is specifically driven out by a function called thefunction.</li> <li>Membership PG # 149</li> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually agraph is chosen to represent a fuzzy set.</li> <li>Triangular PG # 151</li> <li>Circular</li> <li>Conical</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two parts to the antecedent, and they have a/an operator in between them.</li> <li>AND</li> <li>OR PG # 153</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only partially true, then the output fuzzy set is truncated according to the method.</li> <li>Intrinsic</li> <li>Implication PG # 153</li> <li>Boolean</li> <li>None of the given</li> <li>62. The role of tester is often called the critic.</li> </ul>	Boolean	<b>PG # 147</b>
<ul> <li>Coagnitive</li> <li>Supervised</li> <li>57logic lets us define more realistically the true functions that define real wor scenarios.</li> <li>Fuzy PG # 148</li> <li>Classical</li> <li>Boolean</li> <li>None of the given</li> <li>58. The degree of truth that we have been talking about is specifically driven out by a function called thefunction.</li> <li>Membership PG # 149</li> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually agraph is chosen to represent a fuzzy set.</li> <li>Triangular PG # 151</li> <li>Circular</li> <li>Concial</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two parts to the antecedent, and they have a/an operator in between them.</li> <li>AND</li> <li>OR PG # 153</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only partially true, then the output fuzzy set is truncated according to themethod.</li> <li>Intrinsicmethod.</li> <li>Intrinsicmethod.</li> <li>Intrinsicmethod.</li> <li>Solean</li> <li>None of the given</li> <li>162. The role of tester is often called the critic.</li> </ul>	<ul> <li>Complex</li> </ul>	
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<ul> <li>Boolean</li> <li>None of the given</li> <li>62. The role of tester is often called the critic.</li> </ul>	<ul> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually agraph</li> <li>Triangular</li> <li>Circular</li> <li>Conical</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two operator in between them.</li> <li>AND</li> <li>OR</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only par- according to the</li> </ul>	is chosen to represent a fuzzy set. PG # 151 o parts to the antecedent, and they have a/an PG # 153 tially true, then the output fuzzy set is truncatedmethod.
<ul><li>None of the given</li><li>62. The role of tester is often called the critic.</li></ul>	<ul> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually agraph</li> <li>Triangular</li> <li>Circular</li> <li>Conical</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two operator in between them.</li> <li>AND</li> <li>OR</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only para according to the</li> <li>Intrinsic</li> <li>Implication</li> </ul>	is chosen to represent a fuzzy set. PG # 151 o parts to the antecedent, and they have a/an PG # 153 tially true, then the output fuzzy set is truncatedmethod. PC # 153
62. The role of tester is often called the critic.	<ul> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually agraph</li> <li>Triangular</li> <li>Circular</li> <li>Conical</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two operator in between them.</li> <li>AND</li> <li>OR</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only para according to the</li> <li>Intrinsic</li> <li>Implication</li> <li>Boolean</li> </ul>	is chosen to represent a fuzzy set. PG # 151 o parts to the antecedent, and they have a/an PG # 153 tially true, then the output fuzzy set is truncatedmethod. PG # 153
62. The role of tester is often called the critic.	<ul> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually a graph</li> <li>Triangular</li> <li>Circular</li> <li>Conical</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two operator in between them.</li> <li>AND</li> <li>OR</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only para according to the</li> <li>Intrinsic</li> <li>Implication</li> <li>Boolean</li> <li>None of the given</li> </ul>	is chosen to represent a fuzzy set. PG # 151 o parts to the antecedent, and they have a/an PG # 153 tially true, then the output fuzzy set is truncatedmethod. PG # 153
	<ul> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually agraph</li> <li>Triangular</li> <li>Circular</li> <li>Conical</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two operator in between them.</li> <li>AND</li> <li>OR</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only para according to the</li> <li>Intrinsic</li> <li>Implication</li> <li>Boolean</li> <li>None of the given</li> </ul>	is chosen to represent a fuzzy set. PG # 151 o parts to the antecedent, and they have a/an PG # 153 tially true, then the output fuzzy set is truncatedmethod. PG # 153
	<ul> <li>Ordinary</li> <li>Fuzzy</li> <li>Inline</li> <li>59. Usually agraph</li> <li>Triangular</li> <li>Circular</li> <li>Conical</li> <li>None of the given</li> <li>60. In Fuzzy Rules there are two operator in between them.</li> <li>AND</li> <li>OR</li> <li>NOT</li> <li>None of the given</li> <li>61. If the antecedent is only para according to the</li> <li>Intrinsic</li> <li>Implication</li> <li>Boolean</li> <li>None of the given</li> <li>62. The role of tester is often ca</li> </ul>	is chosen to represent a fuzzy set. PG # 151 o parts to the antecedent, and they have a/an PG # 153 tially true, then the output fuzzy set is truncated method. PG # 153 lled the critic.

#### ► False

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

<ul> <li>Inductive</li> <li>Deductive</li> <li>None of the given</li> <li>64. The tractable problems are further divided into structured andproblems and the given</li> <li>Simple</li> <li>None of the given</li> <li>65. Hypothesis space uses the of the attributes.</li> <li>Conjunctions (AND) PG # 168</li> <li>Disjunctions (OR)</li> <li>Nogation (NOR)</li> <li>None of the given</li> <li>66. FIND-S finds the maximally specific hypothesis possible within the</li> <li>Version space PG # 172</li> <li>Solution space</li> <li>Hypothesis space</li> <li>PG # 177 NOT SURE</li> <li>False</li> <li>73. A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.</li> <li>More PG # 184</li> <li>Less</li> <li>Equal</li> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> </ul>	Existing	PG # 162
<ul> <li>Deductive</li> <li>None of the given</li> <li>64. The tractable problems are further divided into structured andprobler</li> <li>Non-structured</li> <li>Complex PG # 166</li> <li>Simple</li> <li>None of the given</li> <li>65. Hypothesis space uses the of the attributes.</li> <li>Conjunctions (AND) PG # 168</li> <li>Disjunctions (OR)</li> <li>Negation (NOR)</li> <li>None of the given</li> <li>66. FIND-S finds the maximally specific hypothesis possible within the</li> <li>Version space PG # 172</li> <li>Solution space</li> <li>Hypothesis space</li> <li>None of the given</li> <li>67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.</li> <li>True PG # 177 NOT SURE</li> <li>False</li> <li>73. A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.</li> <li>More PG # 184</li> <li>Less</li> <li>Equal</li> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> </ul>	Inductive	
<ul> <li>None of the given</li> <li>64. The tractable problems are further divided into structured andproblem</li> <li>Non-structured</li> <li>Complex PG # 166</li> <li>Simple</li> <li>None of the given</li> <li>65. Hypothesis space uses theof the attributes.</li> <li>Conjunctions (OR)</li> <li>Negation (NOR)</li> <li>None of the given</li> <li>66. FIND-S finds the maximally specific hypothesis possible within the</li> <li>Version space PG # 172</li> <li>Solution space</li> <li>Hypothesis space</li> <li>None of the given</li> <li>67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.</li> <li>True PG # 177 NOT SURE</li> <li>False</li> <li>73. A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.</li> <li>More PG # 184</li> <li>Less</li> <li>Equal</li> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> </ul>	Deductive	
64. The tractable problems are further divided into structured andproblem Non-structured Comple PG # 166 Simple None of the given 65. Hypothesis space uses theof the attributes. Conjunctions (AND) PG # 168 Disjunctions (OR) Negation (NOR) None of the given 66. FIND-S finds the maximally specific hypothesis possible within the Version space PG # 172 Solution space Hypothesis space None of the given 67. Entropy characterizes the purity/impurity of an arbitrary collection of examples. True PG # 177 NOT SURE False 73. A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional. More PG # 184 Less Equal None of the given 74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective. Hypothesis PG # 189 Neuron Agent 75. OperatorIn planning phase, each state is represented in predicate logic. True PG # 197 False 76. Action is aused to change states. Prodiced to the states.	None of the given	
<ul> <li>Non-structured</li> <li>Complex PG # 166</li> <li>Simple</li> <li>None of the given</li> <li>65. Hypothesis space uses theof the attributes.</li> <li>Conjunctions (AND) PG # 168</li> <li>Disjunctions (OR)</li> <li>Negation (NOR)</li> <li>None of the given</li> <li>66. FIND-S finds the maximally specific hypothesis possible within the</li> <li>Version space PG # 172</li> <li>Solution space</li> <li>Hypothesis space</li> <li>None of the given</li> <li>67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.</li> <li>True PG # 177 NOT SURE</li> <li>False</li> <li>73.A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.</li> <li>More PG # 184</li> <li>Less</li> <li>Equal</li> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> <li>PC # 198</li> </ul>	64. The tractable problem	ms are further divided into structured and problem
Complex       PG # 166         Simple       None of the given         65. Hypothesis space uses the of the attributes.	Non-structured	
<ul> <li>Simple</li> <li>None of the given</li> <li>65. Hypothesis space uses theof the attributes.</li> <li>Conjunctions (AND) PG # 168</li> <li>Disjunctions (OR)</li> <li>Negation (NOR)</li> <li>None of the given</li> <li>66. FIND-S finds the maximally specific hypothesis possible within the</li> <li>Version space PG # 172</li> <li>Solution space</li> <li>Hypothesis space</li> <li>None of the given</li> <li>67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.</li> <li>True PG # 177 NOT SURE</li> <li>False</li> <li>73.A single Perceptron simply draws a line, which is a hyper plane when the data is than 2 dimensional.</li> <li>More PG # 184</li> <li>Less</li> <li>Equal</li> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> <li>Prodice 108</li> </ul>	Complex	<b>PG # 166</b>
<ul> <li>None of the given</li> <li>65. Hypothesis space uses theof the attributes.</li> <li>Conjunctions (AND) PG # 168</li> <li>Disjunctions (OR)</li> <li>Negation (NOR)</li> <li>None of the given</li> <li>66. FIND-S finds the maximally specific hypothesis possible within the</li> <li>Version space PG # 172</li> <li>Solution space</li> <li>Hypothesis space</li> <li>None of the given</li> <li>67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.</li> <li>True PG # 177 NOT SURE</li> <li>False</li> <li>73. A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.</li> <li>More PG # 184</li> <li>Less</li> <li>Equal</li> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is aused to change states.</li> </ul>	Simple	
65. Hypothesis space uses theof the attributes.         Conjunctions (AND)       PG # 168         Disjunctions (OR)         Negation (NOR)         None of the given         66. FIND-S finds the maximally specific hypothesis possible within the         Version space       PG # 172         Solution space       PG # 172         Solution space       PG # 177         None of the given       67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177         False       73.A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.         More       PG # 184         Less       Equal         None of the given       74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False       76. Action is aused to change states.         Prodicate main is aused to change states.       PC # 108	None of the given	
Conjunctions (AND)       PG # 168         Disjunctions (OR)       Negation (NOR)         None of the given       66. FIND-S finds the maximally specific hypothesis possible within the         66. FIND-S finds the maximally specific hypothesis possible within the         Version space       PG # 172         Solution space       PG # 172         Hypothesis space       None of the given         67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177         False         73. A single Perceptron simply draws a line, which is a hyper plane when the data is than 2 dimensional.         More       PG # 184         Less         Equal         None of the given         74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False	65. Hypothesis space us	es theof the attributes.
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Negation (NOR)         None of the given         66. FIND-S finds the maximally specific hypothesis possible within the         Version space       PG # 172         Solution space       Hypothesis space         None of the given       67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177         False       73.A single Perceptron simply draws a line, which is a hyper plane when the data is than 2 dimensional.         More       PG # 184         Less       Equal         None of the given       74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False       76. Action is a used to change states.         Prodicate       Nor         PG # 197         False       76. Action is a	Disjunctions (OR)	
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66. FIND-S finds the maximally specific hypothesis possible within the         Version space       PG # 172         Solution space       Hypothesis space         None of the given       67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177         False       73. A single Perceptron simply draws a line, which is a hyper plane when the data is than 2 dimensional.         More       PG # 184         Less       Equal         None of the given       74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False       76. Action is a used to change states.         Province to the given is a used to change states.	None of the given	
Version space       PG # 172         Solution space       Hypothesis space         None of the given       67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177       NOT SURE         False       73.A single Perceptron simply draws a line, which is a hyper plane when the data is	66. FIND-S finds the ma	aximally specific hypothesis possible within the
Solution space       Hypothesis space         Hypothesis space       None of the given         67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177 NOT SURE         False         73.A single Perceptron simply draws a line, which is a hyper plane when the data is	Version space	PG # 172
Hypothesis space         None of the given         67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177 NOT SURE         False         73. A single Perceptron simply draws a line, which is a hyper plane when the data is than 2 dimensional.         More       PG # 184         Less         Equal         None of the given         74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False       76. Action is a used to change states.         Predicate       PC # 198	Solution space	
None of the given         67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177 NOT SURE         False         73. A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.         More       PG # 184         Less         Equal         None of the given         74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False       76. Action is a used to change states.         Prodicate       PC # 198	Hypothesis space	
67. Entropy characterizes the purity/impurity of an arbitrary collection of examples.         True       PG # 177 NOT SURE         False       73.A single Perceptron simply draws a line, which is a hyper plane when the data is than 2 dimensional.         More       PG # 184         Less       Equal         None of the given         74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False       76. Action is a used to change states.         PC # 109	None of the given	
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<ul> <li>False</li> <li>False</li> <li>73.A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.</li> <li>More PG # 184</li> <li>Less</li> <li>Equal</li> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> </ul>		$\frac{PG \pm 177}{PG \pm 177} = 1000000000000000000000000000000000000$
<ul> <li>73. A single Perceptron simply draws a line, which is a hyper plane when the data isthan 2 dimensional.</li> <li>More PG # 184 Less Equal None of the given </li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective. Hypothesis PG # 189 Neuron Agent 75. OperatorIn planning phase, each state is represented in predicate logic. True PG # 197 False 76. Action is a used to change states. PMC # 108</li></ul>	False	I G # I// HOI SOME
More       PG # 184         Less       Equal         None of the given       74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False         76. Action is a used to change states.	73.A single Perceptron sisthan 2 of	simply draws a line, which is a hyper plane when the data limensional.
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<ul> <li>Equal</li> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> </ul>	Less	
<ul> <li>None of the given</li> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> </ul>	Equal	
<ul> <li>74. In ANNs, Training is the heart of learning, in which finding the best that covers most of theexamples is the objective.</li> <li>Hypothesis PG # 189</li> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> </ul>	None of the given	
that covers most of theexamples is the objective.         Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False       76. Action is a used to change states.	74. In ANNs. Training i	s the heart of learning, in which finding the best
Hypothesis       PG # 189         Neuron       Agent         75. OperatorIn planning phase, each state is represented in predicate logic.         True       PG # 197         False       76. Action is a used to change states.	that covers most of	theevamples is the objective
<ul> <li>Neuron</li> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is aused to change states.</li> </ul>	Hypothesis	PC # 189
<ul> <li>Agent</li> <li>75. OperatorIn planning phase, each state is represented in predicate logic.</li> <li>True PG # 197</li> <li>False</li> <li>76. Action is a used to change states.</li> </ul>	Neuron	1 G # 187
75. OperatorIn planning phase, each state is represented in predicate logic. True PG # 197 False 76. Action is a used to change states.		
<ul> <li>False</li> <li>Predicate</li> <li>Predicate</li> <li>PG # 197</li> <li>False</li> <li>Predicate</li> </ul>	75 Operator In planaire	nhage angle state is represented in modicate logic
False 76. Action is a used to change states.	75. Operatorin planning	phase, each state is represented in predicate logic.
76.Action is aused to change states.	False	<b>EG # 177</b>
/o.Action is a used to enange states.	76 A stien is a	word to show as states
	/0.Action is a	used to change states.
realizate rG # 198	Predicate	PG # 198

78. Naturally, there is no supervision of classification inalgorithms for the learning or clustering.         Clustering       PG # 205         Binary       Planning         Searching       79. Which one is NOT the feature of Robot:         Reasoning, Dealing with uncertainty       Vision, Learning         Autonomy, Physical Intelligence       PG # 204         80. Intelligence is the ability to;       0         0       Think /learn plan /schedule         0       Recognize / remember         0       Problem solving         0       All of the above         81. Computer vision encompasses topic(s) from       0         0       Image Processing         0       All of the given         PG # 203       0         0       Pattern recognition         82. In theoretical computer science there are two main branches of problems:         Tractable and induction       Tractable and induction         Tractable and induction       PG # 165         Intractable and induction       PG # 165         None of the given       0         0       1         0       2         0       1         0       2         0       1         <	78. Naturally learning o	there is no supervision	n of classification in	
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Binary         Planning         Searching         79. Which one is NOT the feature of Robot:         Reasoning, Dealing with uncertainty         Vision, Learning         Autonomy, Physical Intelligence         None of the given       PG # 204         80. Intelligence is the ability to;         ○       Think /learn plan /schedule         ○       Recognize / remember         ○       Problem solving         ○       All of the above         81. Computer vision encompasses topic(s) from       ○         ○       Machine learning         ○       All of the given         ○       PG # 203         ○       Pattern recognition         82. In theoretical computer science there are two main branches of problems:         Tractable and induction       Tractable and induction         Tractable and induction       PG # 165         Intractable and induction       PG # 165         None of the given       83. In theoretical computer science there are main branches of problems         ○       1       PG # 165         ○       2       PG # 165         ○       3       3         ○       1       PG # 165         ○ </td <td>Clustering</td> <td></td> <td><b>PG # 205</b></td> <td></td>	Clustering		<b>PG # 205</b>	
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o       2       PG # 165 Tractable and Intractable         o       3         o       4         84. There are phases in machine learning.         o       1	$\sim 1$	ical computer science		
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<ul> <li>6 4</li> <li>84. There are phases in machine learning.</li> <li>0 1</li> </ul>	$\circ 2$		10#105 116	actable and intractable
84. There are phases in machine learning. o 1	04			
o 1	84. There are	phases in	machine learning.	
	o 1	-	-	
			1	

o 4

85. Decision trees give us disjunctions of conjunctions, that is, they have the form:

(A AND B) (C ANDD).

o OR

**PG # 176** 

- o AND
- o XOR
- None of the given
- 86. Decision trees give us conjunctions of disjunctions.

True

#### False PG # 176

87. The input for the defuzzification process is a fuzzy set (the aggregate output fuzz

set) and the output is a doublenumber.

**T**rue

#### False PG # 157

- 88. Which one is not step involved in the planning phase of Linear model expert systems
- Feasibility assessment
- Resource allocation
- Task phasing and scheduling
- None of the given PG # 129
- 89. The goal of knowledge analysis is to analyze and structure the knowledge gained during the planning phase.

True

False

#### Page # 131

90. is an expert system which was developed at Stanford to aid physicians in

diagnosing and treating patients with a particular blood disease





<i>yy</i> . If there are multiple parts to the antecedent,	apply luzzy logican
resolve theantecedent to a single number bet	tween 0 and 1.
Operators     PG     Pules	# 153
Conditions	
None of the given	
100. Outputs of learning are determined by the	# 161
<ul><li>Validation</li></ul>	
Training	
101. Inductive learning is based on the knowleds	ge that if something happens a
lot it is likely to begenerally	
True PC # 161	
False	
Ambiguous	
None of the given	ing facts and knowledge and deduces
now knowledge from the old	ing facts and knowledge and deduces
Inductive	FG # 102
<ul> <li>Application</li> </ul>	
None of the given	with respect to the given
attributes.	with respect to the given
<ul> <li>Solution</li> </ul>	
Problem	PG # 167
Knowledge	
• None of the given	
104. Hypothesis space uses the	of the attributes.
Conjunctions (AND)	PG # 168
<ul> <li>Disjunctions (OR)</li> </ul>	
Negation (NOR)	
None of the given	
115. In all calculations involving Entropy we de	fineto be
► 0 log 0, 0	<b>PG # 177</b>

▶ 0 log 0, 1

1 log 1, 1

116. Measure of the effectiveness of an attribute in classifying the training data is called.

- Information Gain PG # 177
- Measure Gain
- Information Goal
- $\blacktriangleright$  None of the given
- 117. The soma and the enclosed nucleus in neuron play a significant role in the

processing of incomingand outgoing data.

➤ True

**False PG # 181** 

- **119.A** single layer perceptron cannot perform pattern classification on linearly separable patterns.
  - True

False PG # 186

120. In planning phase, each state is represented in predicate logic.

0	True	<b>PG # 197</b>
<u> </u>	IIuc	10112/1

- o False
- 121.Action is a \_\_\_\_\_used to change states.
  - **Predicate PG # 198**
  - Function
  - $\circ$  Operator
  - $\circ$  None of the given
- 122.\_\_is a subfield of\_\_.

Computer vision, Artificial Intelligence PG # 203

- Robotics, Artificial Intelligence
- Soft computing, Artificial Intelligence
- $\blacktriangleright$  None of these

123. \_\_\_\_\_deals with procedures that extract useful information from static pictures and sequence of images.

Computer vision	PG # 203
-----------------	----------

- Neural networks
- Predicate logic
- ➢ None of the given

124. Which of the combinations is possible to solve real world problems?

- ➢ Genetic fuzzy
- ➢ Neuro −Fuzzy systems
- Neuro –Genetic systems

All of the given PG # 205

125.Genetic Algorithm applied on \_\_\_\_\_ problems?

•	Real

- All
- Selected
- None

123. Answering the Sequence Problem (1, 3, 5, 11, ?) need

#### Intelligence

- None of the given
- Sorting
- Searching
- 124.\_\_\_reasoning is an informal form of reasoning that uses rules gained through

experience orwhat we call rules-of-thumb

- $\circ$  Inductive
- Deductive
- o Abductive

#### Common-sense

125.A\_\_\_\_\_\_is "A person who possess the skill and knowledge to solve a specific problem in amanner superior to others"

The domain expert
Page # 122

- The knowledge engineer
- ► The end user
- All of the given

126.Best-first search always moves\_\_\_\_\_\_from the node that seems closest to the goal node.

- o Backward
- o Left
- o Right

#### <mark>○ Forward</mark>

127. Which one of the following is involved in an ES development project:

The domain expert

The knowledge engineer

The end user

#### All of the given

#### PG # 122

128.In backward chaining terminology, the hypothesis to prove is called the

Proof

Goal PG # 126

- Plan
- None of the given

129.\_\_\_\_chaining is more focused and tries to avoid exploring unnecessary paths

ofreasoning.

o Forward

• Backward PG # 128

- Both forward and backward
- None of the given
- 130. Assisting an expert is the most commonly found role of an Expert System.
  - False
  - True PG # 114

131. Choose the fields in which Fuzzy inference systems have been successfully applied:

- automatic control
- data classification
- decision analysis
- All of the given PG # 153

132.Mamdani's method was among the first\_\_\_\_\_built using fuzzy set theory.

- control systems
  PG # 153
- expert system
- decision analysis system
- none of the given

133.which one is NOT the phase of machine learning:

- Training
- Application
- Validation

None of the given PG # 160

$\underbrace{\text{AL-JI}}_{134.\_\text{is the pn}}$	<b>JNAID TECH INSTITUTE</b> rocess of formulating the mapping from a given input to an output using
Fuzzylogic	2.
	FIS PC # 153
	F15 F07 F05
	FIZ
	None of these
135.Machine le	<ul> <li>arning typically follows_phases according to Finlay.</li> <li>Two</li> </ul>
	Three PG # 160
	• Four
136.In context	<ul> <li>Five</li> <li>of tree, an arrow from one node to other is called :</li> <li>Root</li> </ul>
	▶ Edge
	► Ancestor
	Descendant
<ul> <li>137.Robotics h</li> <li>Biology</li> <li>Psychology</li> <li>Mathematic</li> </ul>	ave active contributions form
All of the g	ziven page # 204
138.Identify th	e step involved in planning phase.
$\circ$ Coc	ling
$\circ$ Kes	ource anocation page # 129
o Idei	ntify concrete knowledge elements
139.Which of t	the following command is correct for adding numbers in CLIPS?
$\blacktriangleright$ CLIPS>(3	+ 4)
$\blacktriangleright CLIPS>(+$	3 4) page # 133
$\triangleright \text{ CLIPS} > (3)$	(4+)
CLIOS> (+	- 3 4 +)
	se knowledge engineer works with the domain expert to acquire,
organize and System Det	sign
<ul> <li>organize and</li> <li>System Dest</li> <li>Feasibility</li> </ul>	sign Study

Rilowledge acquisition	page # 129, 130
1.Which of the following command is used to	see the added facts in CLIPS?
(facts) page 134	
► (fact)	
► Fact	
142.the correct command is load a CLIPS file	is:
o (read "filename.clp")	
<ul> <li>(loadfile "filename.clp")</li> </ul>	
<ul> <li>(load "filename.clp")</li> </ul>	page # 137
• (readfile "filename.clp")	
143.In CLIPS,command is used to remove	e facts.
facts	mana # 124
	page # 134
dalata	
44 The goal of is to analyse and structure the	he knowledge gained during the
knowledge acquisition phase.	ne mo meage gamea daring me
<ul> <li>Knowledge structure</li> </ul>	
<ul> <li>Knowledge design</li> </ul>	
Knowledge analysis	page # 131
FS design	
145.In context of ES development, which of th	ne following will be part of planning phase?
<ul> <li>Is design</li> <li>Identify concrete knowledge elements</li> </ul>	ne following will be part of planning phase?
<ul> <li>Is design</li> <li>I45.In context of ES development, which of th</li> <li>Identify concrete knowledge elements</li> <li>Feasibility assessment</li> </ul>	ne following will be part of planning phase? page # 129
<ul> <li>Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> </ul>	ne following will be part of planning phase? page # 129
<ul> <li>45.In context of ES development, which of th</li> <li>Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> </ul>	ne following will be part of planning phase? page # 129
<ul> <li>45.In context of ES development, which of th</li> <li>Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>46.In CLIPS, the command is used for debug</li> </ul>	ne following will be part of planning phase? page # 129 rging programs.
<ul> <li>45.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>46.In CLIPS, the command is used for debug</li> <li>FACT</li> </ul>	ne following will be part of planning phase? page # 129 rging programs.
<ul> <li>45.In context of ES development, which of th</li> <li>Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>46.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> </ul>	ne following will be part of planning phase? page # 129 ging programs.
<ul> <li>45.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>46.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> </ul>	ne following will be part of planning phase? page # 129 rging programs.
<ul> <li>45.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>46.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> <li>WATCH</li> </ul>	ne following will be part of planning phase? page # 129 rging programs.
<ul> <li>45.In context of ES development, which of th</li> <li>Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>46.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> <li>WATCH</li> <li>47.Knowledge elicitation methods may be classing</li> </ul>	page # 129 page # 129 ging programs. page # 135 assified into:
<ul> <li>145.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>146.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> <li>WATCH</li> <li>147.Knowledge elicitation methods may be classing</li> <li>Direct and indirect methods</li> </ul>	ne following will be part of planning phase? page # 129 rging programs. page # 135 assified into: page #130,131
<ul> <li>145.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>146.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> <li>WATCH</li> <li>147.Knowledge elicitation methods may be classional indirect methods</li> <li>Hierarchal and non hierarchal methods</li> </ul>	ne following will be part of planning phase? page # 129 ging programs. page # 135 assified into: page #130,131
<ul> <li>145.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>146.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> <li>WATCH</li> <li>147.Knowledge elicitation methods may be classional indirect methods</li> <li>Hierarchal and non hierarchal methods</li> <li>Data driven and application driven method</li> </ul>	ne following will be part of planning phase? page # 129 rging programs. page # 135 assified into: page #130,131 ls
<ul> <li>145.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>146.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> <li>WATCH</li> <li>147.Knowledge elicitation methods may be classional indirect methods</li> <li>Hierarchal and non hierarchal methods</li> <li>Data driven and application driven method</li> <li>Direct and hierarchal</li> <li>148 CLIPS stands for</li> </ul>	ne following will be part of planning phase? page # 129 aging programs. page # 135 assified into: page #130,131 ls
<ul> <li>145.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>146.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> <li>WATCH</li> <li>147.Knowledge elicitation methods may be classified by the common of the co</li></ul>	ne following will be part of planning phase? page # 129 rging programs. page # 135 assified into: page #130,131 Is
<ul> <li>145.In context of ES development, which of the Identify concrete knowledge elements</li> <li>Feasibility assessment</li> <li>Coding</li> <li>Knowledge acquisition from expert</li> <li>146.In CLIPS, the command is used for debug</li> <li>FACT</li> <li>CLEAR</li> <li>DEBUG</li> <li>WATCH</li> <li>147.Knowledge elicitation methods may be classified by the command indirect methods</li> <li>Hierarchal and non hierarchal methods</li> <li>Data driven and application driven method</li> <li>Direct and hierarchal</li> <li>148.CLIPS stands for:</li> <li>C# Language Integrated Production System</li> </ul>	ne following will be part of planning phase? page # 129 aging programs. page # 135 assified into: page #130,131 ls

C Language Integrated Production System page # 133

149.Identify the sequence wise main phases of Linear model used in developing expert system

- 1)Planning 2)Knowledge acquisition and analysis 3)Knowledge design 4)System evaluation 5)Code 6)Knowledge verification
  - 1)Planning 2)Knowledge acquisition and analysis 3)Knowledge design
    4) Code 5)Knowledge verification 6) System evaluation page # 129
- 1)Planning 2)Knowledge acquisition and analysis 3)Knowledge design
  4) Code 5) System evaluation 6) Knowledge verification
- 1)Planning 2)Knowledge acquisition and analysis 3)System evaluation 4) Knowledge design 5)Code 6)Knowledge verification

page # 132

page # 129

page # 129

page # 130

150.In context of CLIPS, "agenda" is the list of \_

- Activated rules page # 136
- Activated relations
- Activated deftemplates
- Deactivated rules
- 151.\_\_\_\_\_encode the knowledge of rules and strategies.
- ES model
- ES requirements
- Knowledge base
- Inference networks
- 152. Which of the following is one of the general stages of ESDLC?
- Spiral model
- Design coding
- Linear model
- Beta system (tested by users)
- 153.Identify the correct step used to start design of an expert system.
- Scope study
- Rapid prototyping
- Feasibility study
- Problem reorganization
- 154.Knowledge acquisition techniques may not include:
- Interviews
- On-site observation
- Electronic brainstorming

#### Surveys

155.Identify the correct definition of linear model given below.

- A non linear sequence of steps is applied repeatedly in an iterative fashion to develop the expert systems.
- A non sequential set of steps is applied repeatedly in an iterative fashion to develop the expert systems.

A	linear sequence of steps is applied repeatedly in an iterative fashion
tc	b develop the expert systems. Page # 129
A th	arbitrary set of steps is applied repeatedly in an iterative fashion to develop ne software models.
56.I a	f more than one domain experts have to be consulted for knowledge equivalent to use:
S	urveys
► E	lectronic brainstorming
► Ir	nterviews
B	lackboard system page # 130
57.I	<ul> <li>dentify the correct statement to list facts numbers 1 through 10</li> <li>clips&gt; (facts 10)</li> </ul>
	clips> (facts 1 10) page # 134
	clips>(facts 1)
	$\blacktriangleright clips > (facts 1 to 10)$
58.F	Reasoning in fuzzy logic is just a matter of generalizing the familiar logic.
C	omplex
> S	upervised
C C	oagnitive
B	oolean page # 147
59.F	Problem faced during knowledge acquisition may not include
E	xpert may provide incomplete knowledge
► E	xpert provide exact and accurate knowledge page 131
E	xpert may not provide relevant information
E Ide	xpert may provide inconsistent or incorrect knowledge ntify that for which purpose statement given below is used (deftemplate Person
	(slot name
	()) (slot
	age(type
	NUMBER))
A	ttributes of a fact
R	ule definition
C	LIPS page # 134
R	ule
60.I	n CLIPS, command erases contents of working memory
) (r	etract)
) (r	remove)
) (r	erase)

161. identify the correct statement for the given rule IF IELTS score of ali is 6 and CGPA score of Ali is 3.7 and GRE score of ali is 66 Then He is eligible to take admission in any of the university abroad (deftamplate Ali (slot attribute)(slot value)) (defrule Alichance (Ali (attribute "IELTS score")(value "6")) (Ali (attribute "CGPA")value "3.7")) (defrule Alichance (Ali (attribute "IELTS score")(value "6")) (Ali (attribute "CGPA")value "3.7")) (Ali (attribute "GRE")value "66")) Page # 135 (deftamplate Ali (slot attribute)(slot value)) (defrule Alichance (Ali (attribute "IELTS score")(value "6")) (Ali (attribute "CGPA")value "3.7")) (deftamplate Ali (slot attribute)(slot value)) (defrule Alichance (Ali (attribute "IELTS score")(value "6")) (Ali (attribute "CGPA")value "3.7")) 162.Identify correct statement for the given rule IF The aptitude level of ungraduated student is low and The English level of ungraduated student is dull Then he is not eligible to go abroad for higher studies (deftamplate to UnderGradstudent (slot attribute)(slot values)) (defrule StudentStatus (UnderGradStudent(attribute "aptitudelevel")(value"low")) (UnderGradStudent(attribute "English understanding level")(value "dull")) => (Printout " he is not eligible to go abroad for higher studies")) deftamplate to UnderGradstudent (slot attribute)(slot values)) (defrule StudentStatus (UnderGradStudent(attribute "aptitudelevel")(value"low")) (UnderGradStudent(attribute "English understanding level")(value "dull")) <=>

(Printout " he is not eligible to go abroad for higher studies"))	
(defrule StudentStatus)	
(UnderGradStudent(attribute "aptitudelevel")(value"low"))	
(UnderGradStudent(attribute "English understanding level")	(value "dull"))
=>	(varac aan ))
(Printout " he is not eligible to go abroad for higher studies")	) Page # 135
<ul> <li>deftamplate to UnderGradstudent (slot attribute)(slot values))</li> </ul>	
(defrule StudentStatus (UnderGradStudent(attribute	
"aptitudelevel")(value"low")) (UnderGradStudent(attribute	
"English understanding level")(value "dull"))	
163.In CLIPs the defrule construct is used to add	
▶ rules	Page # 135
▶ agenda	
▶ facts	
principles	
4. In the context of ES development which of the following will be part of	of planning phase
knowledge acquisition from expert	
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> </ul>	
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>Name of Circum</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>None of Given</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>None of Given</li> <li>165. Fuzzy system have multidisciplinary nature.</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding <ul> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> </ul> </li> <li>Fuzzy set</li> <li>None of Given</li> </ul> <li>165. Fuzzy system have multidisciplinary nature. <ul> <li>Intelligent</li> <li>Set</li> </ul></li>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>None of Given</li> <li>165. Fuzzy system have multidisciplinary nature.</li> <li>Intelligent</li> <li>Set</li> <li>Logic</li> </ul>	Page # 129
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>None of Given</li> <li>165. Fuzzy system have multidisciplinary nature.</li> <li>Intelligent</li> <li>Set</li> <li>Logic</li> <li>Interface</li> </ul>	Page # 129
<ul> <li>Knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>None of Given</li> <li>165. Fuzzy system have multidisciplinary nature.</li> <li>Intelligent</li> <li>Set</li> <li>Logic</li> <li>Interface</li> <li>166.For computing more complicated functions we use ANN, which stated</li> </ul>	Page # 129 and for?
<ul> <li>Knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>None of Given</li> <li>165. Fuzzy system have multidisciplinary nature.</li> <li>Intelligent</li> <li>Set</li> <li>Logic</li> <li>Interface</li> <li>166.For computing more complicated functions we use ANN, which state</li> <li>Artificial Next Network</li> </ul>	Page # 129 and for?
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding <ul> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>None of Given</li> </ul> </li> <li>165. Fuzzy system have multidisciplinary nature. <ul> <li>Intelligent</li> <li>Set</li> <li>Logic</li> <li>Interface</li> </ul> </li> <li>166.For computing more complicated functions we use ANN, which state Artificial Next Network</li> <li>Artificial Neural Network</li> </ul>	Page # 129 and for?
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding <ul> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> </ul> </li> <li>Fuzzy set</li> <li>None of Given</li> <li>165. Fuzzy system have multidisciplinary nature. <ul> <li>Intelligent</li> <li>Set</li> <li>Logic</li> <li>Interface</li> </ul> </li> <li>166.For computing more complicated functions we use ANN, which state Artificial Neural Network</li> <li>Actid Neural Network</li> <li>Actid Neural Network</li> </ul>	Page # 129 and for?
<ul> <li>knowledge acquisition from expert</li> <li>identify concrete knowledge element</li> <li>feasibility assessment</li> <li>coding</li> <li>164.identify the sets on which Membership Function is used</li> <li>Crisp set</li> <li>Classical set</li> <li>Fuzzy set</li> <li>None of Given</li> <li>165. Fuzzy system have multidisciplinary nature. <ul> <li>Intelligent</li> <li>Set</li> <li>Logic</li> <li>Interface</li> </ul> </li> <li>166.For computing more complicated functions we use ANN, which state Artificial Neural Network</li> <li>Acid Neural Network</li> <li>Acid Neural Network</li> </ul>	Page # 129 and for?

- Fragments
- Segments

168. Identify the correct definition of linear model given below.

- An arbitrary set of steps is applied repeatedly is an iterative fashion to develop the software models.
- A linear sequence of steps is applied repeatedly is an iterative fashion to develop the Expert System
- A Non-linear sequence of steps is applied repeatedly is an iterative fashion to develop the Expert System
- A Non sequence of steps is applied repeatedly is an iterative fashion to develop the Expert System

169.In ANNs, MSE is known as:

- Mean Sequential Error
- Medium Squared Error
- Most Sequential Error
- Most Spherical Error

170.Usually a \_\_\_\_\_ graph is chosen to represent a fuzzy set.

- Circular
- Conical
- Triangle

Bar

- Efficiency
- Conveniently
- Effectively
- With Reliability

172. Learning does not work an existing facts.

#### Deductive

- Exclusive
- Inductive
- Intelligent

173. Which one is the advantage of Neural Network

Good for generalization

#### (Page 187)

- > The power of ANNs lie in their parallel architecture
- Less defined rules to build a natural network
- Knowledge implicit
- 174. If the true output of a concept [c(xi)] is 1 or 0 for an instance, then the output by ourhypothesis [h(xi)] is 1 or 0 as well, respectively.
  - True (Page 177)

► False

- 175. Which statement about learning is true:
  - Learning is constructing or modifying representations of what is being experienced
  - Learning denotes changes in a system that enables a system to



183.the input of aggrigation is the list of truncated output functions returned by the

\_\_\_\_process for each rule.

- truncation
- implication (Page 184)
- Aggregation
- None of the given

184.Identify the sets in which Member function is used.

- Crisp set
- Classical set
- Fuzzy set (Page 149)
- None of the above

185.Identify the statement which best defines fuzzy sets.

- Fuzzy sets, unlike classical sets, restrict themselves to somethinglying wholly in either set A or in set not-A.
- Fuzzy sets, like classical sets, restrict themselves to something lying whollyin either set A or in set A.
- Fuzzy sets, unlike classical sets, do not restrict themselves to something lying wholly ineither set A or in set not-A. (Page 146)
- Fuzzy sets, like classical sets, do not restrict themselves to

186.In Fuzzy Inputs we resolve all fuzzy statements in the

antecedent to adegree of membership between 0 and \_\_\_\_\_.

- 1 (Page 152)
- > 2
- > 3
- ▶ 4

187. The Multilayer Perceptron's are the most basic artificial neural\_\_\_\_\_

- Network (Page 186)
- System
- Interface
- None of these

188. Which of the following window is not present in CLIPS tool?

- Rule window Google
- Facts window
- Focus window
- Agenda window

189.Which of the following is correct CLIPS command to display the product of two numbers "5" and "3"?

(Printout t "Product of two number is " (\* 5 3))

Google

Printout t "Product of two number is " (x 5 3))

• (Printout t "Product of two number is "  $(5 \times 3)$ )

(Printout t "Product of two number is " (5 \* 3))

190.Clips command for multiplying two numbers 3 and 4 is

- CLIPS> \*(3 4)
- CLIPS> $(3 4^*)$
- CLIPS>(3 \* 4)
- $\blacktriangleright \text{ CLIPS>}(* 3 4)$

Google

- 191.Identify which statement defines classical sets in best way
- A classical set is a container, which wholly includes but not wholly excludes any given
- A classical set is a container, which does not wholly include or wholly exclude any given element
- A classical set is a container, which sometimes wholly includes or wholly excludes any given element
- A classical set is a container, which wholly includes or wholly excludes any given element PG # 145

192.Problems faced during knowledge acquisition may include:

- Expert may not provide relevant information
- Expert may provide incomplete knowledge
- Expert may provide inconsistent or incorrect knowledge
- All of the given options
  PG # 131

193. The input of the aggregation process is the list of truncated output functions returned by the------Process for each rule.

Truncation Implication **PG # 157** Aggregation None of the given 193. The "concept of partial truth" can best be handled by: Fuzzy logic PG # 1 Boolean logic Classical Logic Parametric logic 194.Knowledge elicitation method may be classified into: Direct and Indirect Methods Page # 130,131 Hierarchical and No Hierarchical method Data Driven and Application Driven Methods None of Given option 195. In fuzzy set and membership function, the input is always a value. Crisp Numerical NOT SURE Fixed Amounts Interval Based

#### 196.

The degree of truth is specially driven out by a function called the\_\_\_\_\_function.

- Ordinary
- Membership
- Boolean
- Inline

197. The Role of Taster is often called the \_\_\_\_\_ role.

- Critical
- Real
- Soft
- Sophisticated