CBCS SCHEME

USN 15MT832

Eighth Semester B.E. Degree Examination, November 2020 Artificial Intelligence

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions irrespective of modules.

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	7	Module-1	
1	a.	Define artificial intelligence write importance of AI.	(08 Marks)
	b.	Explain AI and related fields.	(08 Marks)
			(00 Marks)
2	a.	Describe Alan turing machine.	(08 Marks) (08 Marks)
	b.	Explain intelligent agent concept in detail.	(00 Marks)
		Module-2	
2	e s	Write production rules for water jug problem.	(08 Marks)
3	a. b.	Write and explain depth first search algorithm.	(08 Marks)
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		Co.	100
4	a.	Explain generate and test algorithm.	(06 Marks)
	b.	Write Hill climbing concept.	(10 Marks)
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251		Module-3	(SV)
(5)	a.	Explain the following:	
		i) Characteristics of expert system.	(08 Marks)
	4	ii) Need of expert system.i) Draw expert system architecture.	
	b.	i) Draw expert system architecture.ii) Steps to develop an expert system.	(08 Marks)
		n) Steps to develop an empore system	
6		Describe the following: i) MYCIN ii) DENDRAL.	(16 Marks)
	40	Module-4	(08 Marks)
7	a.	Explain rule based system architecture.	(08 Marks)
	b.	Explain frame architecture in expert system.	(00 1/24/125)
0	255	Explain decision, tree architecture.	(08 Marks)
8		= 1 · 1 · 1 · 1 · 1 · 1 · nucleito eturg	(08 Marks)
	b.	. Explain neural network distinction	
		Module-5	
9	a.	. Explain perception in AI.	(08 Marks)
	b	The second of th	(08 Marks)
1	0	Explain the following:	(08 Marks)
		i) Genetic algorithm	(08 Marks)
		ii) Intelligent editors.	

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and or equations written eg, 42+8 = 50, will be treated as malpractice.