

Attempt all questions in brief.

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2x10 = 20

BTECH (SEM I) THEORY EXAMINATION 2021-22 AI FOR ENGINEERING

Time: 3 Hours Total Marks: 100

Note: Attempt all Sections. If you require any missing data, then choose suitably.

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Qno	Questions	Marks	CO
(a)	What do you understand by the term "Intelligence"?	2	1
(b)	What do you understand by the term data in the field of Artificial Intelligence?	2	2
(c)	What is Speech Recognition in the field of Artificial Intelligence??	2	3
(d)	Define "Neuron" in the field of Artificial Intelligence?	2	4
(e)	What is Object Recognition in the field of Image Processing?	2	5
(f)	Define the term Pixel?	2	1
(g)	Explain the term "Algorithm and its basic Properties?	2	2
(h)	List Any two Real-life applications of Natural Language Processing.	2	3
(i)	List some Applications of Deep Learning in the field of Artificial Intelligence?	2	4
(j)	What is Speech Recognition in Artificial Intelligence?	2	5
	SECTION B	I	1
Attem	¥ 8	=30	
Qno	Questions	Marks	CO
(a)	Describe the four categories under which AI is classified with examples.	10	b
(b)	Discuss different Stages in Data Processing.	10	2
(c)	What is Natural Language Processing? Discuss with some applications.	10	3
(d)	Explain the Universal Approximation Theorem in detail.	10	4
(e)	What is need and use of the concept of Image and face recognition Learning in	10	5
(0)			
	the field of Artificial Intelligence? SECTION C	- 10	
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