

Attempt all questions in brief.

1.

	Printed Page: 1 of 1											
							S	ubje	ct Co	ode:	KM(C101
Roll No:												

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.

SECT	ION	Δ
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Attem	pt an questions in oriei.	- 20	
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	<u> </u>	
Attem		3 = 30	
Qno	Questions	Marks	CO
(a)	Describe the four categories under which AI is classified with examples.	10	DÍO
(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
	the field of Artificial Intelligence?	<u> </u>	
ttom	SECTION C pt any <i>one</i> part of the following: 10x1 =	- 10	
Qno	Questions	Marks	СО
(a)	Explain the term Computational Intelligence in brief in the field of Artificial	10	1
	Intelligence		
(b)	Write Short note on Classification of Data.	10	2
	pt any <i>one</i> part of the following:		
Qno	Questions	Marks	CO
(a)	Explain the concept of Natural Language Understanding and Natural Language Generation?	10	3
(b)	What is Deep learning the field of Artificial Intelligence? Explain its Application and history in brief.	10	4
	pt any <i>one</i> part of the following: 10x1		T
Qno	Questions	Marks	CO
(a)	What's the Difference Between Robotics and Artificial Intelligence?	10	5
(b)	Write about the Emerging Technologies the field of AI.	10	1
	pt any <i>one</i> part of the following: 10x1 =		1
Qno	Questions	Marks	СО
QIIO		10	2
	What is Data Clustering? Explain anyone Clustering method in details.		
(a) (b)	Describe the different Components of a Typical Conversational Agent?	10	3
(a) (b) Attem	Describe the different Components of a Typical Conversational Agent? pt any one part of the following: 10x1 =	10 = 10	
(a) (b) Attem Qno	Describe the different Components of a Typical Conversational Agent? pt any one part of the following: Questions 10x1 =	10 = 10 Marks	СО
(a) (b) Attem	Describe the different Components of a Typical Conversational Agent? pt any one part of the following: 10x1 =	10 = 10	