

			Printed Page: 1 of Subject Code: KMC10								
Roll No:											

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
SECI	UIT	

1.	Attem	Attempt <i>all</i> questions in brief. $2x10 =$										
	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										
2.		pt any three of the following: 10x3		CO								
	Qno	Questions	Marks	CO								
	(a)	Describe the four categories under which AI is classified with examples.	10	1								
	(b)	Discuss different Stages in Data Processing.	10	2								
	(c)	What is Natural Language Processing? Discuss with some applications.		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 the field of Artificial Intelligence?	10	5								
		SECTION C										
3.		pt any <i>one</i> part of the following: 10x1 =		1								
	Qno	Questions	Marks	CO								
	(a)	Explain the term Computational Intelligence in brief in the field of Artificial Intelligence		1								
	(b)	Write Short note on Classification of Data.	10	2								
4.		apt any <i>one</i> part of the following: $10x1 = 10x$										
	Qno	Questions	Marks	CO								
	(a)	Explain the concept of Natural Language Understanding and Natural Language Generation?		3								
	(b)	What is Deep learning the field of Artificial Intelligence? Explain its Application and history in brief.		4								
5.		ttempt any one part of the following: 10x1										
	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								
6.		pt any one part of the following: Questions 10x1 =	= 10 Marks	СО								
	Qno	What is Data Clustering? Explain anyone Clustering method in details.	10	2								
	(a)											
7	(b)	Describe the different Components of a Typical Conversational Agent? pt any one part of the following: 10x1 =	10	3								
7.	Qno	pt any one part of the following: Questions 10x1 =	= 10 Marks	CO								
	(a)	Explain Generative Adversarial Network in brief.	10	4								
	(b)	What are Robots in the field of Artificial Intelligence? Explain its characteristics.	10	5								
	(0)	That are Roots in the field of Artificial Interingence. Explain its characteristics.	10									