By Shweta Tiwari from IT Department

Model Paper of "Artificial Intelligence for Engineering/Engineers(KMC-101)"

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Model Paper
MS. SHWETA TIWARI

Rajkiya Engineering College | Ambedkar Nagar, UP, India

Faculty Name: Miss. Shweta Tiwari, Subject: Artificial Intelligence for Engineering (KMC101)
Year- 1st Year, Semester- 1st Sem, Branch- EE and IT, Session- Odd Semester (2021-22)

Artificial Intelligence for Engineering

This is only an attempt to discover the paper that will help you in the subject "Artificial Intelligence For Engineering" for the examination. The model paper has been prepared on the basis of 100 marks. If you find any errors, then please do write to us.

Model Paper For Theory Examination 2021-22

Course/Branch	: B.TECH/ME/CS/IT/CS-DS/CS-AI	**Semester**	**I**
Subject Name	: Artificial Intelligence for Engineers	**Max. Marks**	**100**
Subject Code	: KMC 101	**Time : 180 Minutes**	

On completion of this course, the student will be able to-

CO1: Understand the evolution and various approaches of AI

CO2: Understand data storage, processing, visualization, and its use in regression, clustering etc.

CO3: Understand natural language processing and chatbots

CO4: Understand the concepts of neural networks

CO5: Understand the concepts of face, object, speech recognition and robots

Section – A

Q-1 Attempt all parts.

Q.NO	Questions	Marks	CO
a	Define Artificial Intelligence.	**2**	**CO1**
b	What is emerging technologies ?	**2**	**CO1**
c	Explain data acquisition.	**2**	**CO2**
d	What is data clustering ?	**2**	**CO2**
e	What is Natural Language Processing ?	**2**	**CO3**
f	What is Chatbots ?	**2**	**CO3**
g	What is deep learning ?	**2**	**CO4**
h	What is ANN ?	**2**	**CO4**
i	What is facial recognition	**2**	**CO5**
j	what is speech recognition	**2**	**CO5**

Section – B

Q-2   Attempt any Three parts.   3*10=30

a)   What are applications of AI? What should all engineers know about AI?   CO-1

b)   What is data clustering? Explain any one method in details.   CO-2

c)   Describe the different components of a typical conversational agent   CO-3

d)   Write short notes on CNN and RNN.   CO-4

e)   What's the Difference Between Robotics and Artificial Intelligence?   CO-5

Section – C

Q-3 Attempt any One part.   CO-1   (1 * 10= 10 marks)

   a) Write the history of AI.   Describe the four categories under which AI is classified with examples.

   b) List the fields that form the basis for AI

Q- 4 Attempt any One part.   CO-2   (1 * 10= 10 marks)

   a) What are recommender systems? How is working in OTT.

   b) What is data classification and Regression? Give an example.

Q-5 Attempt any One part.   CO-3 (1 * 10= 10 marks)

   a) Explain the Natural language understanding and Natural language generation

   b) Analyse how statistical methods can be used in machine translatio

Q-6 Attempt any One part.   CO-4 (1 * 10= 10 marks)

   a) Explain Generative Adversarial Network.

   b) What are the applications of Machine Learning .When it is used.

Q-7 Attempt any One part.   CO-5 (1 * 10= 10 marks)

   a) What is the Working of Image Recognition and How it is Used?

   b) What is the Working of Image Recognition and How it is Used?

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