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School of Engineering
First Theory Sessional Examination
Even Semester (AS: 2024-25)

B. Tech: CSE (IOTBC)	[Year: 3rd] [Semester: 6th]
Course Title: Development of Cloud Course Code: [redacted] ITBC-3601	Max Marks: 30 Time: 1hrs

Instructions: 1-Mention any assumptions made.
2-Notations have usual meaning

	SECTION 'A' Q.N.1. Attempt all parts of the following:	Course Objective	Marks
a)	Define Cloud Computing.	CO1	1
b)	Name the different organizations which offer cloud services.	CO1	1
c)	What is the main use of Cloud Computing?	CO1	1
d)	What do you mean by DevOps?	CO2	1
e)	Write the five benefits of using DevOps.	CO2	1
	SECTION 'B' **Q.N.2. Attempt any two parts of the following:**	**Course Objective**	**Marks**
a)	Explain AI industry adoption and AI evolution in reference to Cloud Computing.	CO1	7.5
b)	Briefly explain the cloud impact in Banking and Education.	CO1	7.5
c)	Explain FaaS (Function as a Service) in detail.	CO1	7.5

SECTION 'C' Q.N.3. Attempt any one parts of the following:		Course Objective	Marks
a)	Differentiate between IaaS, PaaS, and SaaS in cloud computing.	CO1	10
b)	Explain the different deployment models of the cloud in detail. Also, outline their advantages and disadvantages while implementing an application.	CO1	10
c)	What are the challenges that faced before Cloud Computing.	CO1	10

Table 1: Mapping between COs and questions

COs	Questions Numbers	Total Marks
CO1	Q1 (a, b, c), Q2 (a, b, c), Q3 (a, b, c)	28
CO2	Q1 (d, e)	2