Librarian	
Learning Resource	Centre
Acharya Institute & Tel	anology

CBCS SCHEME

USN							18MN7	2
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Seventh Semester B.E. Degree Examination, Feb./Mar. 2022 **Computer Application in Mining**

Max. Marks: 100 Time: 3 hrs.

Note: Answer any FIVE full questions, choosing ONE full question from each module.

	N	ote: Answer any FIVE full questions, choosing ONE full question from each m	odule.
		We don't do	
¥		Explain about the design process with Shigleg's design process.	(10 Marks)
1	a.	Explain the key significance of using the CAD software.	(10 Marks)
	b.	Explain the key significance of using the CAD software.	(10 Marks)
		OR	
2	a.	Explain the working of Cathode Ray Tube with neat sketch.	(10 Marks)
2	b.	Define input and output devices and explain any three types of input and output	
	υ.	Define input and output devices and explain any size of	(10 Marks)
		Madula 2	
2		Module-2 Write about the conceptual method suggested by Foley and Van Dam with flow	chart
3	a.	Write about the conceptual method suggested by Poley and Van Dam with now	(10 Marks)
	b.	Explain about wire frame model with its advantages and disadvantages.	(10 Marks)
	υ.	Explain about wife name model with the destainings	,
		OR	
4	a.	Explain all the different functions of a graphic package.	(10 Marks)
	b.	What is a solid model and explain its advantages and disadvantages.	(10 Marks)
		Module-3	
5	a.	Write the algorithm for ultimate pit configuration.	(10 Marks)
	b.	Write the algorithm for Ore reserve estimation.	(10 Marks)
		OR	
6	a.	Write the algorithm for shovel dumper combination.	(10 Marks)
	b.	Write the algorithm for ventilation network analysis.	(10 Marks)
		Module-4	(10 Mayla)
7	a.	Explain robotic with its applications in mines.	(10 Marks)
	b.	Explain what is remote controlled and manless mining with example.	(10 Marks)
)		OD	
0		OR	(10 Marks)
8	a.	Write a short on RDBMS with advantage and example. Explain about the use of Dbase and Microsoft access.	(10 Marks)
	b.	Explain about the use of Doase and Wicrosoft access.	(10 1/14/11/15)
		Module-5	
9	- 0	Describe about the AI application in mine environment.	(10 Marks)
9	a. b.		(10 Marks)
	υ.	The a short note on comparer and a state approximation	
		OR	
10) a.	De la tradition of mine design based on rock mechan	ics.(10 Marks)
		vvv : 1 1 in a supplied to a property of the state of the	rol like slone

b. Write a short note on mine design computer application based on ground control like slope (10 Marks)

stability and pillar design.

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.