Reg. No.					



VI SEMESTER B.TECH. (AUTOMOBILE ENGINEERING) END SEMESTER EXAMINATIONS, APRIL 2018

SUBJECT: COMPUTER INTEGRATED MANUFACTURING [AAE 4008]

REVISED CREDIT SYSTEM (24/04/2018)

Time: 3 Hours MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- Missing data may be suitable assumed.

1A.	With a neat sketch explain different activates in production planning system	06				
1B.	Write a note on magnetic grippers used in industrial robots with its application in					
	automobile industry	04				
2A.	Explain the general classification of CNC systems.	03				
2B.	Write the part program for the component shown in figure 1	07				
3A.	With a neat sketch explain the progressive and ladder type FMS layout	05				
3B.	Write the program for the component given in figure 2	05				
4A.	Explain the principle of working of adaptive control constraint system with sketch.	05				
4B.	Write a part program for the component shown in figure 3	05				
5A.	Explain the benefits of group technology	04				
5B.	List and explain the different components of FMS system	04				
5C.	List the different types of sensors used in industrial robotics	02				

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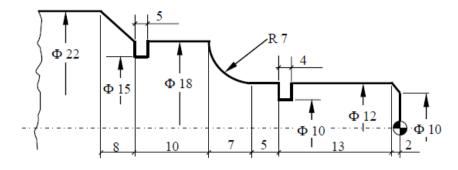


Figure 1

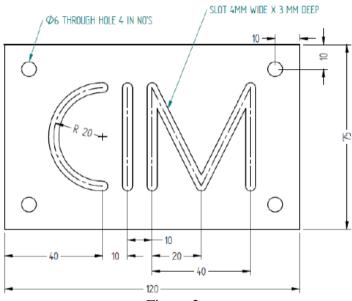


Figure 2

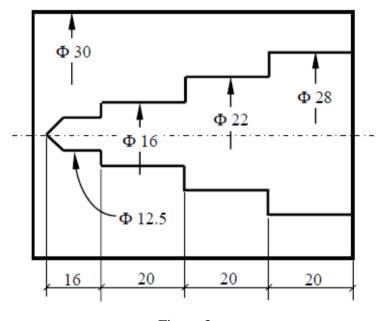


Figure 3

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