

M. TECH.-III (MECHANICAL CAD/CAM) (CBCS – 2015 COURSE) :

WINTER - 2017

SUBJECT : ELECTIVE – 1 : MANUFACTURING INFORMATION SYSTEMS

Day : **Tuesday**
Date : **16/01/2018**

W-2017-2921

Time : **11.00 AM TO 02.00 PM**
Max. Marks : **60**

N. B. :

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to both the sections should be written in the **SEPARATE** answer books.
 - 4) Assume suitable data, if necessary.
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SECTION - I

Q. 1 What is knowledge based system? Explain in brief. **(10)**

OR

What is DBMS? State its characteristics. **(10)**

Q. 2 Write a brief note on Interference Mechanism. **(10)**

OR

Discuss forward and backward chaining in detail. **(10)**

Q. 3 What are the different issues in knowledge implementation? **(10)**

OR

Describe different database languages. **(10)**

SECTION - II

Q. 4 Write a brief note on process planning. **(10)**

OR

How is robot movement planned on a shop floor? **(10)**

Q. 5 Explain in brief, blackboard architecture. **(10)**

OR

Describe the knowledge based approach for design. **(10)**

Q. 6 What is natural language processing? **(10)**

OR

Write a note on industrial application of fuzzy logic. **(10)**

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