

**M. TECH.-III (INFORMATION TECHNOLOGY) (CBCS – 2015
COURSE) : WINTER - 2017**

SUBJECT: SELF – STUDY PAPER – I: SEMANTIC NETWORKS

Day: **Thursday**
Date: **25/01/2018**

W-2017-2907

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 **SEPARATE** answer book.
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SECTION-I

Q.1 What are different forms of knowledge representation? **(10)**

OR

Q.1 Explain cognitively based semantic network. **(10)**

Q.2 What is inheritance? Explain inheritance in semantic networks with example. **(10)**

OR

Q.2 Explain relations used in semantic network with example. **(10)**

Q.3 Explain features of frame representation. **(10)**

OR

Q.3 Explain attributes and associated values with example. **(10)**

SECTION-II

Q.4 Explain different issues in knowledge representation. **(10)**

OR

Q.4 Explain expressiveness of semantic Nets. **(10)**

Q.5 Explain semantic network applications 'WordNet' and its limitations. **(10)**

OR

Q.5 Explain semantic representation of natural language expressions. **(10)**

Q.6 Explain any one tool in details, used for lexical knowledge engineering. **(10)**

OR

Q.6 Explain plagiarism tools with advantages and disadvantages. **(10)**

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