



**MANAV RACHNA  
UNIVERSITY**

(FORMERLY MANAV RACHNA COLLEGE OF ENGINEERING  
NAAC ACCREDITED 'A' GRADE INSTITUTION)

Declared as State Private University under section 2f of the UGC act, 1956

## DEPARTMENT OF CHEMISTRY

*"T3 Examination; 2017-18"*

**Semester:** II

**Subject:** Research Paper Writing

**Branch:** Chemistry

**Course Type:** Core

**Time:** 1.5 Hours

**Max. Marks:** 40

**Date of Exam:** 21/05/2018

**Subject Code:** MES 515

**Session:** I

**Course Nature:** Soft course

**Program:** M. Tech/ M. Sc

**Signature:** HOD/Associate HOD:

### *Necessary Instructions:*

Section A: All Questions are Compulsory.

Section B: Attempt any two out of three.

Section C: Attempt any two out of three.

### SECTION-A

#### *Short Answer Type Questions*

*8 Marks*

Q 1 Differentiate between ethics and values?

Q 2 What do you understand by keywords?

Q 3 What do you understand by citation and impact factor?

Q 4 In what way research paper is different from review paper?

### SECTION-B

*Attempt any two out of three*

*16 Marks*

Q 5

(a) What is the need for effective communication, its significance and importance? 5 marks

(b) What do you understand by the term plagiarism and which software you can use to check this?  
3 marks

Q 6

(a) Describe the types of communication and different barriers to communication. 5 marks

(b) What do you understand by format in terms of references and which software can be utilized for  
formatting such references? 3 marks

Q 7

(a) For literature review, which scientific software you will use and how can we start? 3 marks

(b) How will you decide about the Journal for communicating the research paper? 2 marks

(c) Why do we cite a reference and in which format it should be included? 3 marks

## SECTION-C

*Attempt any two out of three*

**16 Marks**

Q 8

- (a) What are the elements of research paper and review paper? 5 marks  
(b) What steps are involved once you decide the Journal before submitting the paper? 3 marks

Q 9

- (a) What is the importance of report writing/thesis? What are the major elements of this report? 5 marks  
(b) List the important points for consideration during the oral presentation. 3 marks

Q 10

- (a) Describe the importance and need of business letter. What are necessary elements of this business letter? 5 marks  
(b) What SWOT and 7C stands for? 3 marks