

**Pre. Ph.D. Course Work (2017 Course) : (Computer Sciecne) :  
SUMMER - 2019**

**SUBJECT: PAPER –I RESEARCH METHODOLOGY  
(COMPUTER SCIENCE)**

Day: Monday  
Date: 22/04/2019

Time: 10.00 AM TO 1.00 PM  
Max. Marks: 100

**S-2019-5298**

**N.B.:**

- 1) Attempt **ANY FIVE** questions from **SECTION-I** and **ANY FIVE** questions from **SECTION-II**.
- 2) Draw neat diagram **WHEREVER** necessary.
- 3) Answer to the both sections should be written in **SEPARATE** answer books.

**SECTION – I**

- Q.1** Discuss the role of participants and research ethics in research. (10)
- Q.2** Explain importance of pilot survey in research. (10)
- Q.3** What are the important component of a thesis? Comment on their organization. (10)
- Q.4** Explain the desirable properties of information search tools. (10)
- Q.5** Discuss relative importance of H-index, G-index and i-10 index. (10)
- Q.6** What are the consequences and implications if editor of the journal feels your paper is plagiarized? How will you avoid such situation? (10)

**SECTION – II**

- Q.7** Explain the patenting system. Its advantage in protecting IPR. (10)
- Q.8** Explain the desirable outcomes of research while doing research in computer science. (10)
- Q.9** Discuss the different approaches of evaluating research. (10)
- Q.10** Explain taxonomy of research papers. (10)
- Q.11** Give examples of non-patentable invention, with arguments indicating why they are not patentable. (10)
- Q.12** Research is said to be incomplete until it is reported. Present arguments in support of above statement. (10)

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