

**Pre. Ph.D. Course Work (2017 Course) : (Orthodontics and
Dentofacial Orthopedics) : SUMMER - 2019**
**SUBJECT: PAPER – I RESEARCH METHODOLOGY & ICT FOR RESEARCH
(ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS)**

Day: Monday
Date: 22/04/2019

S-2019-5303

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

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Each question carries **20** marks.
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Q.1 What are the important steps in Research? Comment on their importance in Dental Science. (20)

OR

Q.1 What is the significance of Review of Literature as foundation for future research? (20)

Q.2 Define a Research problem in Dental Science. Explain the same with its logical reasoning. (20)

OR

Q.2 What is Research Design? What care is required to be taken in framing Research Design? Illustrate with suitable examples. (20)

Q.3 What is sampling plan? What is the relevance of sample unit, sampling method and sample size in sample design? Comment (20)

OR

Q.3 What are the Sources of data and methods of their collection? (20)

Q.4 What are the techniques of analysis of data? What are common tools used in processing data. (20)

OR

Q.4 Highlight the role of testing of Hypothesis in Research. Describe with illustrative examples. (20)

Q.5 What are the important components of Report writing? What are the dos and don'ts? (20)

OR

Q.5 Computers have influenced all sections of society. What is their role in Research? Comment on its relevance in modern Research. (20)
