

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Research Methodology

Subject Code: 4SC05RMD1 **Branch: B.Sc. (Microbiology)**

Semester: 5 **Date: 24/03/2017** **Time: 02:30 To 05:30** **Marks: 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 **Attempt the following questions:** **(1x14=14)**

- a) What is e-library?
- b) What do you mean by Validity in research?
- c) Good research should not be Rreproducible. True/False
- d) Write one advantage of primary data.
- e) What is basic research?
- f) What is Data?
- g) Write one disadvantage of secondary data.
- h) What is analytical research?
- i) Define dependent variable.
- j) What is applied research?
- k) True or false-
“Good research is replicable”
- l) True or false-
“Research hypotheses is an important document for good research”
- m) Personal interviews are an example of secondary data collection. True/False
- n) What is independent variable?

Attempt any four questions from Q-2 to Q-8

- Q-2** **Attempt all questions**
- a) What is random sampling? Explain it with suitable example. **7**
 - b) What are the different problems associated with research in India? **7**
- Q-3** **Write short notes on-**
- a. Sources of data collection. **7**
 - b. Research hypothesis **7**



- Q-4** What do you mean by research design? Explain different types of research design. (7+7)
- Q-5** **Attempt all questions**
- a. What do you mean by dimensions of research? Explain it with suitable illustrations. 7
- b. Explain the criteria for good research. 7
- Q-6** **Write short notes on-**
- a. Parameters of good research 7
- b. Role of computers in research 7
- Q-7** **Attempt all questions**
- a. What is data management? Explain the various methods used for data maintenance. 7
- b. Comment on “why good research should be systematic and logical”. 7
- Q-8** **Explain the following-**
- a. What do you mean by secondary data? Explain the various sources of secondary data collection. 7
- b. Explain the role and importance of references in research. 7

