4. Write short notes on the following: 5x4=20

i) Design of the research proposal

ii) Major sources of research material

iii) Objectives of research

iv) Criteria of good research

UNIT–III

5. (a) Discuss the significance of research in current era? 10

(b) Analyse the importance of literature review in defining and formulating research problems? 10

6. Write short notes on the following: 5x4=20

i) Review of literature

ii) Research questions

iii) Statement of the problem

iv) Objectives of the study

UNIT–IV

7. (a) Enlist any ten shortcut keys of MS Word. 10

(b) What are the components of a computer? Briefly describe the functions of the components. 10

8. (a) Differentiate between system software and application software. Cite examples. 10

(b) Write short note on types of computers. 5

(c) Use of internet in research. 5

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Course Work Examination, July 2023

Aryabhatta School of Earth Sciences

EARTH SCIENCE / GEOGRAPHY

Course No. CW-702
(Researth Methodology in Earth Sciences)

Full Marks: 100
Pass Marks: 50

Time: 3 Hours

The figures in the margin indicate the full marks for questions.
Answer Five Questions, taking One from each UNIT.

UNIT-I

1. (a) Define assumptions and hypothesis. 5

(b) What is scientific research? Discuss the main components of scientific research. 5+10=15

2. (a) Discuss the key features of basic research, applied research, and action research. 10

(b) Explain how theoretical and experimental methods of research are undertaken. 10

UNIT-II

3. (a) What do you understand by research problem? 5

(b) Explain the steps involved in formulating a research proposal. 15