

(Pages : 3)

N – 4052

Reg. No. : .....

Name : .....

First Semester B.Sc. Degree Examination, June 2022

First Degree Programme under CBCSS

Home Science

Core Course

HS 1141: RESEARCH METHODOLOGY AND INFORMATICS

(2018 and 2019 Admission)

Time : 3 Hours

Max. Marks : 80

PART – A

Answer all questions. Each question carries 1 mark.

1. Name of any two search engines.
2. What is a histogram?
3. What is a variable?
4. Blue revolution.
5. The main objective of pilot study.
6. Write on digital divide.
7. Suggest any 2 internet access methods.
8. Write on wikis.

P.T.O.

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9. INFLIBNET.

10. Lists any 2 computer peripherals.

(10 × 1 = 10 Marks)

PART- B

Write short answers exceeding one paragraph. Answer any **two** questions. Each question carries **2** marks.

11. Why is cyber ethics important?

12. Explain the factors affecting sample selection.

13. Write on characteristics of a good research.

14. What is meant by plagiarism?

15. Write a short on E-waste.

16. Why e-governance is mandatory in research?

17. What is meant by ATM?

18. Write on green computing.

19. Write a short note on major features of modern personal computers.

20. Write the importance of internet as a knowledge repository.

21. What is meant by non-probability sampling.

22. Write on operating systems in computers.

(8 × 2 = 16 Marks)

PART – C

Write short essays not exceeding **120** words. Answer any **six** questions. Each answer carries **4** marks.

23. Explain the functions of tools in data collection.
24. Write in detail various methods of probability sampling.
25. Write in detail the basic concepts of IPR.
26. Elaborate on the need of cyber laws.
27. Explain the role of computer networks and internet.
28. Briefly explain the significance of guidelines for proper usage of internet.
29. Discuss on different types of hypotheses.
30. Bring out the health problems related to IT professionals and its solutions.
31. Give the professional significance of home science education.

(6 × 4 = 24 Marks)

PART – D

Write essays not exceeding **four** pages. Answer any **two** questions. Each question carries **15** marks.

32. Elaborate on the importance of report writing in research and its steps.
33. Explain IT knowledge skills and its significance. Discuss in brief on IT threats.
34. What are the characteristics of a good power point presentation and write on the steps in preparing a good power point.
35. Elaborate on
  - (a) Functions and steps in review of literature
  - (b) Research methods
  - (c) Wireless technology

(2 × 15 = 30 Marks)