3 (Sem–6/CBCS) HSC HC 1

2025

HOME SCIENCE

(Honours Core)

Paper : HSC–HC–6016

(Research Methodology in Home Science)

Full Marks : 60

Time : Three hours

The figures in the margin indicate full marks for the questions.

1. Fill in the blanks with appropriate words :
   1×7=7

   (a) The sample must represent the _____.

   (b) In _____ sampling, the sample are selected in strata.

   (c) The first step of research process is _____.

   (d) _____ is an example of dependent variable.

(e) The highest level of measurement is
_____.

(f) _____ hypothesis is represented by H_0.

(g) One of the example of unit of analysis
is _____.

2. Answer the following questions in brief:
2×4=8

(a) Define research.

(b) Mention *any three* aims of research.

(c) What is research question ?

(d) What is ethics in research ?

3. Write short notes on *any three* of the
following : 5×3=15

(a) Importance of sampling in research

(b) Levels of measurement

(c) Validity and reliability in research

(d) Importance of review of literature

(e) Research design

4. Answer the following : *(any three)*
10×3=30

(a) Describe the process of research.

(b) Explain different types of research with
examples.

(c) Discuss about the quantitative and
qualitative approaches of research.

(d) What is survey research ? Write three
important factor to be considered in
survey research. Discuss the
methodology followed in survey
research. 2+4+4=10

(e) What is hypothesis ? What are the
different types of hypothesis ? Explain
the process of testing hypothesis.
2+4+4=10

(f) Discuss about experimental and
observational research design.
5+5=10

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