

# University of Mumbai

Program: ALL\_Institute Level Optional Course 2

## Question Bank

Curriculum Scheme: Rev 2016

Examination: BE Semester:VIII

Course Code: ILO8026 and Course Name: Research Methodology

### Objective Questions

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	In which type of sampling, population elements are selected based on the ease of access for inclusion in the sample?
Option A:	Simple random sampling
Option B:	Convenience sampling
Option C:	Judgement sampling
Option D:	Systematic sampling
2.	Bibliography means
Option A:	Footnote
Option B:	Quotations
Option C:	List of books referred
Option D:	Biography
3.	Research methodology
Option A:	Refers to all those methods/techniques that are used for conduction of research
Option B:	Refers to the behavior and instruments used in selecting and constructing research technique
Option C:	Refers to collection of data
Option D:	It is a science of studying how research is done scientifically
4.	Which statement is false about research design?
Option A:	Research designs are a framework for conducting the research study
Option B:	Research design specifies the measurement and scaling procedures
Option C:	Research design is undertaken before developing the approach to the problem.
Option D:	Research design is undertaken after the management research problem has been defined
5.	A Hypothesis contributes to the development of
Option A:	Theory
Option B:	Generalization
Option C:	Evolution
Option D:	Research problem
6.	Sampling error is -----related to the size of the sample
Option A:	Inversely
Option B:	Directly
Option C:	Not
Option D:	Always

7.	A research report is a formal statement of -----
Option A:	Research Problem
Option B:	Research Process
Option C:	Data Editing
Option D:	Data Collection
8.	The purpose of literature review is
Option A:	To identify funding agencies for research
Option B:	To understand what concepts and theories have been applied to the topic
Option C:	To enhance general knowledge
Option D:	To identify research institute
9.	Descriptive research is conducted for all of the following reasons except:
Option A:	To determine the perceptions of construct and their features
Option B:	To determine the occurrence of the study variables
Option C:	To understand which variables are the cause and which variables are the effect of a phenomenon
Option D:	To describe the characteristics of relevant groups, such as consumers, company personnel, organizations, or territories
10.	There are differences in the salary paid to teachers in government and private technical institutes is an example of ----
Option A:	Null Hypothesis
Option B:	Non-directional Hypothesis
Option C:	Statistical Hypothesis
Option D:	Directional Hypothesis
11.	-----aims at finding a solution for an immediate problem facing a society or an industrial/business organization,
Option A:	Empirical Research
Option B:	Applied Research
Option C:	Basic Research
Option D:	Descriptive research
12.	Research methodology
Option A:	Refers to all those methods/techniques that are used for conduction of research
Option B:	Refers to the behaviour and instruments used in selecting and constructing research technique
Option C:	Refers to collection of data
Option D:	It is a science of studying how research is done scientifically
13.	Social Science Research ..... Problems
Option A:	Explains
Option B:	Identifies
Option C:	Recommends
Option D:	Formulates
14.	----- relies on experience or observation alone, often without due regard for system and theory. It is data-based research, coming up with conclusions which are capable of being verified by observation or experiment.

Option A:	Empirical Research
Option B:	Applied Research
Option C:	Basic Research
Option D:	Descriptive research
15.	Good research design tells us
Option A:	Nature of the supervisor
Option B:	The objective and nature of the problem to be studied
Option C:	Nature of the researcher
Option D:	Nature of the research design
16.	Sampling error is ----- related to the size of the sample.
Option A:	Inversely
Option B:	Directly
Option C:	Not
Option D:	Always
17.	The purpose of literature review is
Option A:	To identify funding agencies for research
Option B:	To understand what concepts and theories have been applied to the topic
Option C:	To enhance general knowledge
Option D:	To identify research institute
18.	A researcher selects a probability sample of 100 out of the total population. It is
Option A:	A cluster sample
Option B:	A random sample
Option C:	A systematic sample
Option D:	A stratified sample
19.	Bibliography means
Option A:	Footnote
Option B:	Quotations
Option C:	List of books referred
Option D:	Biography
20.	In its ----- the report should carry title and date followed by acknowledgements and foreword. Then there should be a table of contents followed by a list of tables and list of graphs and charts, if any, given in the report.
Option A:	Preliminary pages
Option B:	Main text
Option C:	End matter
Option D:	Introduction

### Subjective Questions

1	What do you mean by research design? Explain its components. Explain any one experimental research design technique.
2	Differentiate between qualitative and quantitative research with suitable example.
3	Explain the characteristics of research with suitable examples.

4	Describe the preparation of Research Report.
5	Explain steps in formulating a research problem.
6	What is the characteristic of Good Hypothesis? Explain type I and II errors, level of significance and variables in hypothesis.
7	Draw the research process flow diagram and discuss operational steps in brief.
8	Differentiate probability and non-probability sampling design techniques.
9	Write a note on Research ethics
10	Define research methodology. Differentiate between basic research and applied research.
11	Describe qualitative and quantitative research types.
12	State the objectives of research and describe its characteristics
13	What do you mean by 'sample design'? Brief the various points to be considered in sample designing for any research project.
14	Describe the different methods of collecting primary research data.
15	What do you understand by Research design? Explain any two types briefly.
16	Explain characteristics of research briefly.
17	What is research hypothesis? State the characteristics of good hypothesis.
18	A certain population is divided into five strata so that $N_1 = 2000$ , $N_2 = 500$ , $N_3 = 1500$ , $N_4 = 1000$ , and $N_5 = 2500$ . How should a sample of size $n = 226$ be allocated to five strata if we adopt proportionate sampling design?
19	Draw neat labelled flow chart for research process. Explain in brief the stages in scientific research process.
20	You have been asked for the research setting up of a Nuclear power plant. Design a questionnaire to find out the prospects of proceeding with this project.
21	Describe the Procedure for reviewing the literature.
22	"Ethics in research is the need of the hour". Justify the statement.
23	Write a short note on interpretation of data.
24	Describe the various contents of research report.
25	What is research problem? Explain the steps in formulating research problem. Explain the sources of developing hypothesis.