

GANPAT UNIVERSITY
PhD ENTRANCE TEST 2017
RESEARCH METHODOLOGY
SECTION A

TOTAL MARKS: 50

Instructions:

1. This is a closed book examination. Each question carries one mark.
2. All the questions are compulsory.

1. Research involves all of the following except-----
 - a. Promotion
 - b. Validation
 - c. Control
 - d. Testing

2. The research study carried out with the help of data points (either primary or secondary) is termed as _____.
 - a. Conceptual
 - b. Observational
 - c. Empirical
 - d. None of the above

3. According to the authors, research methods are everything except:
 - a. Unstructured
 - b. Unbiased
 - c. Sequential
 - d. Directed

4. Applied research is directed towards
 - a. Problem solving
 - b. Action oriented research
 - c. Real time problems
 - d. All of the above

5. The following are features of a good research study except
 - a. Should be replicable
 - b. Should be systematic and objective
 - c. Should be completed in three months
 - d. Should be ethical and unbiased

6. Kingfisher wants to evaluate the impact of a promotional offer of thousand rupees off on return ticket fares on ticket sales. The kind of research being conducted is
- Applied research
 - Basic research
 - Research question
 - None of the above
7. Which of the following problems require research
- Flexible work hours schedule on intention to leave organization
 - Acceptance of more women oriented serials (Programme) on prime time
 - Voting patterns of western versus eastern UP
 - All of the above
8. The Census carried out by the Government of India is an example of
- Exploratory research
 - Causal research
 - Descriptive research
 - All of the above
9. The primary objective of _____ is to provide insights into, and an understanding of, the problem confronting the researcher.
- Exploratory research
 - Conclusive research
 - Causal research
 - Descriptive research
10. _____ is a type of conclusive research which is especially formulated to give a description about a phenomena or group.
- Longitudinal research design
 - Exploratory research design
 - Descriptive research design
 - Two-tiered research design
11. Descriptive research is conducted for all of the following reasons *except*
- To describe the characteristics of relevant groups, such as consumers, company personnel, organizations, or territories
 - To determine the occurrence of the study variables

(2x9)

- c. To understand which variables are the cause and which variables are the effect of a phenomenon
- d. To determine the perceptions of construct and their features

12. Test units are also called

- a. Independent variables
- b. Experiment
- c. Treatment
- d. All of the above are false.

13. In an experiment, the researcher manipulates one or more variables in an attempt to determine its effect on the _____

- a. Independent variable
- b. Dependent variable
- c. Treatment
- d. Test variable

14. Which of the following is true about field experiment?

- a. High internal validity
- b. High external validity
- c. High internal and external validity
- d. None of the above is true

15. O₁ O₂ O₃ O₄ X O₅ O₆ O₇ O₈

The above design is an example of a _____.

- a. One group pretest-posttest design
- b. Multiple time series design
- c. Pretest-posttest control group design
- d. Time series design

16. In comparison to primary data, secondary data can be collected

- a. Rapidly and easily
- b. At a relatively low cost
- c. In a short time with less effort
- d. All of the above

17. Census of India is a

- a. Syndicate data source
- b. Internal data source
- c. Government data source
- d. Non-government data source

18. Qualitative research

- a. Is essentially the same as quantitative research.
- b. Generally employs rigorous mathematical analysis.
- c. Is subjective in nature.
- d. Is objective in nature

19. A technique in which a single respondent is questioned one-on-one by a highly skilled interviewer to uncover underlying motivations, beliefs, attitudes, and feelings on a topic is called-

- a. Focus group
- b. Projective interview
- c. In-depth interview
- d. Unstructured interview

20. What type of question is the following:

If you were to select your favorite holiday destination and what are the reasons for this. What would be your answer?

- a. Leading question
- b. Loaded question
- c. Fixed-alternative question
- d. Open-ended question

21. Consider the following question:

Don't you think the current government has an excellent poverty alleviation programme? Yes/no

- a. Is a leading question
- b. Is a loaded question
- c. Is a double-barrelled question
- d. Is an interval scaled question

22. A multiple choice question in which a person can select more than one response category is called
- Dichotomous question
 - Likert scale question
 - Ambiguous question
 - Checklist
23. Which of the following is not a probability sampling plan?
- Systematic sampling
 - Cluster sampling
 - Convenience sampling
 - Stratified sampling
24. In simple random sampling design each element of the population has the following chance of being selected in the sample.
- Unequal
 - Unknown
 - Equal and known
 - Unequal and known
25. Which of the following statements is true?
- Samples are less expensive.
 - Non-sampling error reduces with increase in sample size.
 - Simple random sampling is more efficient than stratified sampling.
 - All of the above are true.
26. The uses of a frequency distribution are
- To get the extent of non response.
 - To detect the presence of extreme cases (outliers in the distribution).
 - To get the extent of illegitimate responses.
 - All of the above
27. Which of the following gives the measure of consistency of data?
- Mean
 - Standard deviation
 - Mode
 - Median

For the next 4 questions, read the following table:

TABLE

Consumption of ice cream and household income

	Low Consumption of Ice cream	High Consumption of Ice cream	Total
Low Income	30	10	40
Middle Income	20	20	40
High Income	12	28	40
Total	62	58	120

28. The above table is an example of
- Cross-tabulation
 - One way tabulation
 - Four way classification
 - None of the above
29. What percentage of household have less consumption of Ice cream?
- 50
 - 51.67
 - 54
 - 49.38
30. How many households are there with middle income?
- 30
 - 28
 - 40
 - None of the above
31. How many household with middle income have high consumption of Ice cream?
- 20
 - 30
 - 28
 - 12

For the next 3 question read the following data

Given below are the marks of 10 students in an examination

40, 60, 50, 55, 45, 70, 60, 55, 75, 80.

32. What is the average score of the students?
- a. 55
 - b. 60
 - c. 65
 - d. 59
33. What is median of the distribution of marks?
- a. 55
 - b. 57.5
 - c. 58.5
 - d. 60
34. What is the range of the marks of the distribution?
- a. 40
 - b. 18
 - c. 20
 - d. 30

35. For the regression model $Y = b_0 + b_1 X_1 + b_2 X_2 + U$

- a. X_1 X_2 are dependent variables.
- b. Y is a predictor variable.
- c. b_0 is predictor variable.
- d. None of the above is true.

36. When discussing the caveats of the study, the restraints and shortfalls in data collection, sampling design or the scope of the study, one is writing the _____ section of the research report.

- a. Conclusions of the study
- b. Findings of the study
- c. Problem definition
- d. Limitations of the study

37. _____ can be used to display the steps or components of a process.

- a. Pie charts
- b. Pictographs
- c. Flow charts
- d. Histograms

38. Which of the following is referencing style used for writing research paper/thesis?
- American Psychological Association (APA)
 - Indian Psychological Association (IPA)
 - Chinese Psychological Association (CPA)
 - Russian Psychological Association (RPA)
39. What is full form of IPR?
- Intellectual property rights
 - Intelligent Property right
 - Intellectual Proprietary right
 - Intelligent Property rotation
40. After data collection from the respondents, the researcher _____
- Can disclose it to anyone
 - Can not disclose it to anyone without permission of respondents
 - Can sell this data to private agency
 - None of the above
41. In a line graph within a research report, the _____ variable is generally shown on the Y- axis; the _____ variable is put on the X- axis.
- Independent; dependent
 - Dependent; independent
 - Interdependent; spontaneous
 - Spontaneous; dependent
42. When preparing an oral presentation one must keep in mind
- Who is the audience
 - What does he/she hope to gain from the presentation
 - What should be the core of the briefing
 - All of the above are important.
43. Which of the following tools is best for presenting the data to a group?
- Excel
 - Power Point Presentation
 - Word document
 - None of the above

44. Which of the following tool is best for development of report or thesis?
- Excel
 - Power Point Presentation
 - Word document
 - None of the above
45. Which of the following tool is best for calculation with the help of formulae?
- Excel
 - Power Point Presentation
 - Word document
 - None of the above
46. Which of the following is E-journals database?
- Scopus
 - Journal of engineering and science
 - International journal of Operations Management
 - None of the above
47. -----has helped researchers all over the world to work together in collaboration.
- Information and Communication Technology (ICT)
 - Word processing
 - Plagiarism
 - All of the above
48. What is www stands for?
- Hyper text transfer protocol
 - World wide web
 - TCPIP protocol
 - None of the above
49. Shodhganga is -----
- Reservoir of Indian theses
 - Reservoir for research papers in India
 - Collection of UGC related information
 - None of the above
50. The practice of showing someone's work/idea/paper as one's own without proper acknowledgment is termed as -----
- Citation
 - Plagiarism
 - Referencing
 - None of the above

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Answer Key
Research Methodology
PhD entrance March 2017

1	A
2	C
3	A
4	D
5	C
6	A
7	D
8	C
9	A
10	C
11	C
12	D
13	B
14	B
15	D
16	D
17	C
18	C
19	C
20	D
21	A
22	D
23	C
24	C
25	A

26	D
27	B
28	A
29	B
30	C
31	A
32	D
33	B
34	A
35	D
36	D
37	C
38	A
39	A
40	B
41	B
42	D
43	B
44	C
45	A
46	A
47	A
48	B
49	A
50	B