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B.B.A. Part-III Due of Part-II (Supplementary) Examination, 2022

RESEARCH METHODS

Paper – BBA 202

Time : 1½ Hours]   [*Maximum Marks : 70*

Section–A   **(Marks : 2 × 10 = 20)**

Note :– All the *ten* questions are compulsory. Each question is to be attempted in **50** words. Each question carries **2** marks.

Section–B   **(Marks : 10 × 3 = 30)**

Note :– Attempt any *three* questions out of five. Each question is to be attempted in **500** words. Each question carries **10** marks.

Section–C   **(Marks : 20 × 1 = 20)**

Note :– *One* question based on case study is compulsory and carries **20** marks.

Section–A

1. What is Experimental Research ?

2. What is Descriptive Research ?

3. Explain Type-I Error in Hypothesis Testing.

4. What is Null Hypothesis ?

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5. Explain Nominal Scale.

6. Explain Ratio Scale.

7. What are Parametric Tests ?

8. What are Non-Parametric Tests ?

9. What is bibliography in Research Report ?

10. What are references in Research Report ?

Section–B

11. Explain the meaning of the following in context of Research Design :

    (a)   Extraneous variables

    (b)   Confounded relationship

    (c)   Experimental and Control Groups

12. Distinguish between the following :

    (a)   Systematic and Stratified Sampling

    (b)   Cluster and Area Sampling

13. Can it be said that there is correlation between age and intelligence in the following data :

Marks	Age (in Years)				
	18	19	20	21	22
20–25	23	20	–	–	–
15–20	–	25	22	–	–
10–15	–	–	27	23	–
5–10	–	–	–	23	12
0–5	–	–	–	14	11

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14. Three varieties of wheat W1, W2 and W3 are treated with four different fertilizers viz., F1, F2, F3 and F4. The yields of wheat per acre were as under :

Fertiliser Treatment	Variety of Wheat		
	W1	W2	W3
F1	55	72	47
F2	64	66	53
F3	58	57	74
F4	59	57	58

Set up a table for the analysis of variance and work out the F-ratio from it to check if there is significant difference between fertiliser treatments.

15. Mention the different types of report, particularly pointing out the difference between a technical report and a popular report.

Section–C

16. Formulate null hypothesis and alternate hypothesis and find Chi-square (Practical value only, Table value not required) from the following information to check whether condition of home and condition of child are independent :

Condition of Child	Condition of Home	
	Clean	Dirty
Clear	70	50
Fairly Clean	80	20
Dirty	35	45

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