

1B4M21545

(Pages : 2)

Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Fourth Semester B.Sc Psychology Degree Examination, March/April 2021

BST4C08 - Statistical Techniques for Psychology

(2019 Admission onwards)

Time: 2 hours

Max. Marks : 60

SECTION-A

Each question carries 2 Marks.

Maximum Marks that can be scored in this section is 20.

1. Define ANOVA.
2. What are the types of variations in one-way ANOVA?
3. What is meant by critical difference?
4. What are contingency tables?
5. Name a test which can be used to test the goodness of fit. Give its test statistic.
6. When is Yate's correction applied? Give the expression.
7. What is meant by run test?
8. Give the test statistic is Kruskal – Wallis test.
9. What are factorial experiments?
10. What is meant by main effect in a factorial design.?
11. What is meant by reliability of a test score?
12. Define standard score.

SECTION-B

Each question carries 5 Marks.

Maximum Marks that can be scored in this section is 30.

13. Give the standard ANOVA table for two-way classified data.
14. For the following data test whether the two groups are identical with respect to supporting the two categories.

	Group I	Group II
Category I	22	38
Category II	18	14

15. Use sign test at 5% level to test whether the average number of orders is less than 7 if a salesman got the following orders from 8 districts.

District	1	2	3	4	5	6	7	8
No. of orders	5	6	2	5	9	5	8	2

16. Briefly explain Wilcoxon's Rank sum test
 17. Explain briefly 2^2 factorial experiment.
 18. Distinguish between a questionnaire and schedule.
 19. Write a short note on scores of measurements.

SECTION-C

(Answer any one question and carries 10 marks)

20. Explain in detail the two-way analysis of variance.
 21. 30 repetitions of 4 throws of a coin provides the following result.

X	0	1	2	3	4
No. of heads	2	6	15	5	3

Fit a binomial distribution to the above data and test whether the coin is unbiased.

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Fourth Semester B.Sc Degree Examination, March/April 2021

BPS4B01 – Individual Differences

(2019 Admission onwards)

Time: 2 hours

Max. Marks : 60

SECTION -A

**Answer ALL Questions. Answer in Two or three sentences. Each carries 2 marks.
There shall be ceiling of 20 marks in this section**

1. Chronological age
2. CPM
3. Heritability of intelligence
4. Super Ego
5. Collective unconscious
6. Fluid intelligence
7. Animus
8. Alfred Binet
9. GATB
10. Situational test
11. Kaufman's scale
12. Interview

(Ceiling 20 marks)

SECTION -B

**Answer all questions. Answer in a paragraph of about half a page to one page .
Each question carries 5 marks. There shall be ceiling of 30 marks in this section**

13. Wechsler Intelligence scale
14. Eysenck's personality theory
15. Determinants of intelligence
16. Guilford's structure of intelligence.
17. Psychosexual stages of development
18. Strengths and weakness of projective tests
19. Types of Aptitude tests

(Ceiling 30 Marks)

SECTION -C

Essay Type Questions

Answer Any one of the following .Each Carries 10 Marks.

20. Elaborate various assessments of intellectual abilities
21. Explain humanistic perspective of personality

(1 x 10= 10 marks)

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Fourth Semester B.Sc Psychology Degree Examination, March/April 2021

BZL4C06 – Human Physiology – IV

(2019 Admission onwards)

Time: 2 hours

Max. Marks : 60

SECTION -A

**Answer ALL Questions. Answer in Two or three sentences. Each carries 2 marks.
There shall be ceiling of 20 marks in this section**

- 1 What all do the Wolffian duct develop into in males?
- 2 Explain what neurotoxins are, and give two examples.
- 3 Write a note on precocious puberty.
- 4 Differentiate encephalitis from meningitis.
- 5 Explain the causes of hypovolemic thirst?
- 6 How is cholecystokinin associated with feeding regulation?
- 7 What is the role of Leydig cells in reproduction?
- 8 Explain set point theory.
- 9 Differentiate between perinatal stage and neonatal stage.
- 10 Write a note on Bulimia.
- 11 Mention the site of release, and function of the hormone peptide YY.
- 12 Write a brief note on testosterone.

(Ceiling 20 marks)

SECTION -B

**Answer all questions. Answer in a paragraph of about half a page to one page .
Each question carries 5 marks. There shall be ceiling of 30 marks in this section**

- 13 Explain the differences between the male and female hypothalamus.
- 14 Elucidate the role of frontal lobes in human behavior.
- 15 Explain what Huntington's disease is, its symptoms and inheritance pattern

- 16 Describe the multiple functions of vasopressin.
- 17 Explain how the emotion of rage is triggered, expressed and kept in check in a normal person.
- 18 Describe the effects of estrogen on uterus and fallopian tubules.
- 19 Explain how short-term regulation of hunger and food intake is carried out.

(Ceiling 30 Marks)

SECTION -C

Essay Type Questions

Answer *Any one* of the following .Each Carries 10 Marks.

- 20 Write an essay on amygdalae, with special emphasis on its functions.
- 21 Explain the role hypothalamus in hunger and satiety.

(1 x 10= 10 marks)