1B1N21097

Reg.No:.....

Name:.....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Degree Examination, November 2021

BPS1B01 - Basic themes in psychology

(2019 Admission onwards)

Time: 2 hours

Max. Marks: 60

Part A

Answer all questions.

Each question carries Two marks.

Ceiling - 20 Marks

1. Case study
2. Law of effect
3. Stimulants
4. Depressants
5. Reinforcement
6. Contiguity
7. Barbiturates
8. Mental set
9. Social psychology
10. Perception
11. Humanistic psychology
12. Sensory threshold

Part B

Answer all questions.

Each question carries Five marks.

Ceiling - 30 Marks

13. External determinants of attention
14. What is attention and explain distraction of attention
15. Differences between correlational studies and experimental method
16. Describe cognitive learning
17. Explain Gestalt principles
18. Discuss briefly observational learning
19. Give a brief Outline on psychoactive drugs

[PTO]

Part C

Answer any one questions.
Each question carries Ten marks.

20. What are the functions of sleep. Explain different stages of sleep
21. Explain and differentiate classical conditioning and operant conditioning

(1 x 10 = 10 Marks)

1B1N21098 (Pages : 1) Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Degree Examination, November 2021

BZL1C02 – Human Physiology

(2019 Admission onwards)

Time: 2 hours Max. Marks : 60

SECTION A

I. Answer all questions, each carries 2 marks. Answer in 2 or 3 sentences. There shall be ceiling of 20 marks in this section.

1. Holandric genes
2. Allele
3. C- value
4. Role of molecular chaperons
5. Epistasis
6. lysosomes
7. Split genes
8. Cri du chat syndrome
9. Chiasmata
10. Universality of genetic code
11. Polysaccharides
12. Okazaki fragments

(Ceiling 20 marks)

SECTION B

II. Answer all questions, each carries 5 marks. Answer in a paragraph of about half a page to one page. There shall be ceiling of 30 marks in this section.

13. Define genetic code. Explain the major features of genetic code
14. Explain the structure of a neuron with diagramm
15. Explain the primary structure of proteins
16. Briefly explain the of spatiotemporal control of gene activity.
17. Give an account of any two sex chromosomal anomalies in humans
18. Briefly explain the eukaryotic cell cycle.
19. What is a test cross? Explain with an example. Add a note on its significance.

(Ceiling 30 Marks)

SECTION C

III. Answer any <u>one</u> from the following, each carries 10 marks. Essay type question.

20. What is gene mutation. Give an account on the different types of gene mutation
21. Explain the different stages of meiosis. Add a note on its significance.

(1 x 10= 10 marks)

1B1N21099 (Pages : 2) Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Degree Examination, November 2021

BST1C05 – Descriptive Statistics

(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 Differentiate between diagrams and graphs.

2 Define median.

3 What are the uses of frequency curve?

4 Define standard deviation.

5 Find the quartile deviation: 12,14,14,16,13,18,18.

6 What is meant by skewness?

7 What is meant by exclusive classification?

8 Define class limits and class boundaries.

9. Give any two properties of arithmetic mean.

10. The coefficient of variation of a set of observations is 13%. The standard deviation is 3. Find the arithmetic mean.

11. Explain the concept of central tendency.

12. The arithmetic mean and standard deviation of a set of 12 observations were 14 and 16 respectively. If 5 is added to all the observations, what will be the the new mean and standard deviation?

SECTION-B

Each question carries 5 Marks.

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

13. Explain the desirable properties of a good measure of dispersion.

14. Distinguish between qualitative and quantitative classifications.

15. For the following data, calculate mean deviation from median.

X	10	11	12	14	17	18
frequency	5	6	6	4	3	2

16. Define geometric mean and harmonic mean.

17. Compare the consistency of the following two sets of observations.

Set 1: 10,12,11,13,17,19,24,36,22

Set 2: 20,20,21,24,21,21,20,21,22

18. Explain the use of percentiles and deciles.

19. Compute the mode of the following data:

Class	10-14	14-18	18-22	22-26	26-30
frequency	20	30	11	3	5

SECTION-C

(Answer *any one* Question and carries 10 marks)

20. Explain the construction of histogram when

i) the classes are having the same width

ii) when they are of unequal width.

21. Explain kurtosis. Find the percentile measure of kurtosis from the data given below.

classes	50-60	60-70	70-80	80-90	90-100	100-120
frequency	30	34	40	32	18	6

(1 x 10 = 10 Marks)

1B1N21100

Reg.No:.....

Name:.....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Degree Examination, November 2021

BPS1C01 - Psychological Processes 1

(2019 Admission onwards)

Time: 1.5 hours

Max. Marks: 40

Part A

Answer all questions.

Each question carries Two marks.

Ceiling - 10 Marks

1. What is observation method.
2. What is Shaping
3. What is sustained attention
4. Define learning
5. What is the role of Gestalt psychologists in the history of Psychology?
6. Name the three basic tasks in memory.
7. What is colour vision
8. What is state dependent memory

Part B

Answer all questions.

Each question carries Five marks.

Ceiling - 20 Marks

9. Explain survey method
10. How division of attention is possible. Discuss.
11. Explain the classic experiment by Skinner
12. What are the goals of Psychology?
13. Interference and differentiate two types of Interference in memory.
14. What are the different factors affecting episodic memory.

Part C

Answer any one questions.

Each question carries Ten marks.

15. Explain reinforcement . Illustrate schedules of reinforcement and suggest the desirable one.
16. Psychologists specialise in studying many aspects of behaviour. Describe major subfields of Psychology.

(1 x 10 = 10 Marks)