15

1B1N19091 (Pages : 2) Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Psychology Degree Examination, November 2019

BPS1B01 – Basic Themes in Psychology – I

(2019 Admission onwards)

Time: 2 hours Max. Marks : 60

SECTION - A

Each question carries 2 marks. Answer in 2 or 3 sentences.
There shall be ceiling of 20 marks in this section.

1. Higher order conditioning
2. Hallucinogens
3. Sleep spindles
4. Negative correlation
5. Tabula rasa
6. Skinner box
7. Genetics
8. Open-ended questionnaire
9. Negative reinforcement
10. Zen meditation
11. Concurrent schedule of reinforcement
12. Successive approximations

(Maximum 20 marks)

SECTION - B

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

13. Briefly describe about 'perceptual constancies'
14. Write a note on the application of classical conditioning principles in daily life
15. Which are the different factors that affect attention?
16. Explain briefly about different sleep disorders
17. How does sensation differ from perception?
18. Distinguish between avoidance learning and escape learning
19. How are psychological principles applied in various spheres of human life?

(Maximum 30 marks)

SECTION – C

Essay Type Questions
Answer any one of the following. Each carries 10 marks

20. Briefly describe about the history of modern scientific psychology.
21. What is Operant Conditioning? Describe the various concepts associated with it

(1x10=10 marks)

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester B.Sc Degree Examination, November 2019

BZL1C02 – Human Physiology

(2019 Admission onwards)

Time: 2 hours Max. Marks : 60

SECTION A

Each question carries 2 marks. Answer in 2 or 3 sentences.
There shall be ceiling of 20 marks in this section.

1. How is a test cross different from a back cross?
2. Explain the basic structure of amino acids.
3. Write a note on induced mutation.
4. What are ribosomes?
5. Differentiate between introns and exons.
6. What is a mutagen? Give one example.
7. What are carbohydrates?
8. Give a brief note on lymphatic tissue.
9. What is meant by co dominance? Give an example.
10. How are the terms alleles and locus related?
11. What is mitosis and what is its purpose?
12. Differentiate phenotype from genotype.

(Maximum : 20 marks)

SECTION B

Each question carries 5 marks. Answer in a paragraph of about half a page to or page.
There shall be ceiling of 20 marks in this section.

13. Differentiate phenylketonuria from alkaptonuria.

14. Using a suitable example explain multiple allelism.

15. With the help of a neat, labeled diagram describe the structure of a typical motor neuror

16. Explain the fluid mosaic model of plasma membrane.

17. Detail the morphology of chromosomes.

18. Describe the role of blood as a fluid connective tissue.

19. Explain the important phases of cell cycle.

(Maximum: 30 m

SECTION C

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

20. Taking a suitable dihybrid cross as example, explain the law of independent assortmen

21. With the help of relevant diagrams explain meiosis II and give its significance.

(1x 10 = 10 m