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1M1N22314 (Pages : 1) Reg. No:...........................

Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester M.Sc Psychology Degree Examination, November 2022

MPS1C01 – Cognitive Psychology – I

(2022 Admission onwards)

Time : 3 hours Max. Weightage : 30

SECTION A
Short answer questions.
Answer any four questions. Each question carries 2 weightage

1. Discuss the criticisms of Guthrie's theory of learning

2. Explain ecological approach to cognition

3. Describe Broadbent model of attention

4. Briefly write a note on habituation

5. Explain Insight learning

6. What are the conditions of acquisition in classical conditioning? Also mention some of the critical points on Pavlov's views on stimulus acquisition

7. Mention the techniques used by cognitive neuroscientists

(4 x 2 =8 weightage)

SECTION B
Answer any four paragraph questions
Each question carries three weightage

8. Describe cognitive theories of learning

9. Discuss the views of McKintosh and Rescorla

10. Explain the psychological antecedents of cognitive psychology

11. Write a note on divided attention in real life

12. Briefly describe the role of modeling in behaviour therapy

13. Briefly mention the practical applications of cognitive psychology in our daily lives

14. Describe the role of language in cognitive revolution

(4 x 3 = 12 weightage)

SECTION C
Answer any two essay questions
Each question carries five weightage

15. How our behaviours are affected by reinforcements and punishments according to operant conditioning principles. Discuss in detail.

16. Discuss the methods for studying cognition

17. Write a note on different theoretical approaches to perception

18. Evaluate Hull's contributions as a learning theorist

(2 x 5 = 10 weightage)

1M1N22315   (Pages : 2)   Reg. No:..........................

                                                      Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester M.Sc Psychology Degree Examination, November 2022

MPS1C02 – Personality & Personal Growth

(2022 Admission onwards)

Time : 3 hours   Max. Weightage : 30

SECTION A

Short answer questions.

Answer any four questions. Each question carries 2 weightage

1. Discuss the history of personality assessment

2. Explain propriate functional autonomy

3. Describe self-actualization

4. Explain successive approximation

5. Explain Locus of control

6. Write a note on MMPI

7. Explain the concept of psycho-synthesis by Assagioli

                                              (4 x 2 =8 weightage)

SECTION B

Answer any four paragraph questions

Each question carries three weightage

8. Elaborate the views on sensation seeking by Zuckerman

9. Describe experimental method in personality assessment.

10. Write a note on computerized test administration in personality assessment

11. Describe Eysenck's views on personality

12. Explain Transpersonal psychology

13. Discuss the types of needs formulated by Murray

14. Write a note on altered states of consciousness

                                              (4 x 3 = 12 weightage)

SECTION C
Answer any two essay questions
Each question carries five weightage

15. Discuss the different types of projective and behavioural assessment techniques in personality assessment.

16. Evaluate the eastern perspectives on personality

17. Briefly discuss Adler's views on personality

18. Briefly mention the basis, processes and research on Bandhura's personality theory

(2 x 5 = 10 weightage)

1M1N22316   (Pages : 1)   Reg. No:...........................

Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester M.Sc Psychology Degree Examination, November 2022

MPS1C03 – Physiological Psychology

(2022 Admission onwards)

Time : 3 hours   Max. Weightage : 30

SECTION A
Short answer questions.
Answer any four questions. Each question carries 2 weightage

1. Explain colour vision.

2. Write a note on pain receptors

3. Describe Anorexia

4. Explain biofeedback

5. Describe Lesioning

6. Write a note on Auditory pathway

7. Discuss about Neurotransmitters

(4 x 2 =8 weightage)

SECTION B
Answer any four paragraph questions
Each question carries three weightage

8. Describe physiological perspective of mental disorders.

9. Name any five methods of neuroanatomical research

10. Explain briefly split brain studies

11. Explain the theories of audition

12. Elucidate dynamics of sexual behaviours

13. Explain theory of memory consolidation

14. Explain the roe of cortex in learning.

(4 x 3 = 12 weightage)

SECTION C
Answer any two essay questions
Each question carries five weightage

15. Explain the structure and functions of central nervous system.

16. Explain stress and endocrine mechanism

17. Elucidate the physiological basis of emotion

18. Explain the physiological basis of pain. Discuss about the theories of pain perception.

(2x5=10 weightage)

1M1N22317   (Pages : 2)   Reg. No:..........................

                                                     Name: ....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

First Semester M.Sc Psychology Degree Examination, November 2022

MPS1C04 – Research Methodology

(2022 Admission onwards)

Time : 3 hours   Max. Weightage : 30

SECTION A
Short answer questions.
Answer any four questions. Each question carries 2 weightage

1. What is the purpose of reviewing? Prepare a sample index card

2. Discuss the factors to be considered while selecting variables.

3. Explain the stages of doing a scientific research?

4. Describe the ethical considerations in reporting and publishing the research.

5. What is an extraneous variable? Describe about the techniques for controlling extraneous variables.

6. Reflect on the problems encountered by the researchers in India.

7. Explain the difference between pure research and applied research.

                                               (4 x 2 =8 weightage)

SECTION B
Answer any four paragraph questions
Each question carries three weightage

8. What are the criteria of a scientific research? Write short notes on different types of research

9. What are the characteristics of a good research problem? Explain the different sources of stating a research problem

10. Describe the basic logic of hypothesis testing and distinguish between Type I and Type II errors.

11. Explain the applications of computers in doing research

12. Discuss about conceptual and empirical research.

13. What are the different types of pre experimental designs? Describe the limitations of a Pre experimental design

14. Describe the important considerations in selecting a problem

                                               (4 x 3 = 12 weightage)

SECTION C
Answer any two essay questions
Each question carries five weightage

15. Explain the basic principles of experimental designs. When should you consider using a within-subjects design instead of a between-subjects design?

16. Describe the purpose, conditions and interpretations of major non parametric tests

17. Discuss the advantages and disadvantages of major data collection methods

18. What is a research proposal? Write a research proposal to study the 'influence of high and low levels of self- esteem on the academic achievement of high school students.

(2 x 5 = 10 weightage)

PART C
(Answer *any two* questions. Each carries 5 weightage)

15. (a) If $f \in R(\alpha)$ on [a,b] , prove that $\alpha \in R(f)$ and ,

$$\int_a^b f(x)d\alpha(x) + \int_a^b \alpha(x)df(x) = f(b)\alpha(b) - f(a)\alpha(a).$$

(b) State and prove first mean value theorem of Riemann Stieltjes integral.

16. (a) Explain the method of Lagrangian multipliers of finding the optima.

(b) Find the maximum and minimum values of the function $f(x,y) = x^2 + y^2 - 2x - 2y$ subject to the constraint $x + 2y = 4$.

17. (a) Prove that if a sequence $\{f_n\}$ converges to f uniformly on [a,b], and each function f_n is integrable, then f is integrable on [a,b] and the sequence $\int_a^b f_n dt$ converges uniformly to $\int_a^b f dt$ on [a,b].

(b)) Show that the series $x^2 + \frac{x^2}{1+x^2} + \frac{x^2}{(1+x^2)^2} + \cdots$ is not uniformly convergent at x=0.

18. (a) Evaluate the inverse Laplace transforms (i) $L^{-1}\{log \left(\frac{s+3}{s+2}\right)\}$ and   (ii) $L^{-1}\{\frac{e^{-3s}}{(s-4)^2}\}$.

(b) Solve the differential equation $(D^2 + D)x(t) = 2$ when $x(0) = 3$ and $x'(0) = 1$, where $\frac{dx}{dt} = Dx.$

(2 x 5= 10 weightage)