

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
 Fourth Semester B.Sc Psychology Degree Examination, March 2017
 PSY4C01 - Human Physiology
 (2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 80

PART A

Answer all questions. Each question carries 1 mark

Choose the correct answer from the following options given below

1. Choose the hunger signal
 a. Ghrelin b. Leptin c. PYY d. CCK
2. The male reproductive structures develop from
 a. Mullerian duct b. Wolffian duct c. gonad d. zygote
3. The excessive loss of water from body by sweating causes
 a. Hypovolumic thirst b. Osmotic thirst c. Diseases d. Satiety
4. The hormone which help for milk ejection from breast
 a. estrogen b. Progesterone c. Oxytocin d. testosterone
5. ADH is also known as
 a. oxytocin b. vasopressin c. testosterone d. serotonin
6. Lesion in lateral hypothalamus produces the condition
 a. thirst b. aphagia c. diuresis d. hyperphagia

Fill in the blanks

7. BMI of a person is 31 which means he is -----
8. ----- area of brain functions as working memory.
9. ----- is metabolic disorder of increased energy expenditure leading to weight loss.
10. ----- system of brain is responsible for emotions.
11. Ghrelin is an orexigenic substance which ----- hunger
12. Aromatization is process by which ----- converted into estradiol.

(12 x 1 = 12 Marks)

PART B

Answer any *seven* questions. Each question carries 2 mark

13. Inanition
14. Satiety.
15. Homeostasis
16. Isotonic solutions
17. Oxytocin
18. Sodium specific hunger
19. Puberty
20. Malignant tumor
21. Primordial gonads

(7 x 2 = 14 marks)

PART C

Answer any *six* questions. Each question carries 5 marks

22. Explain the types of thirst.
23. Explain the regulation of feeding behavior by neural centers of hypothalamus.
24. Role of testosterone during puberty.
25. Name the major structures of limbic system and its functions
26. Explain different types of sexual orientation.
27. Explain three types of epilepsy.
28. Kluver Bucy syndrome
29. Write on – structural differences between male and female hypothalamus.

(6 x 5 = 30 Marks)

PART D

Answer any *three* questions as essay. Each question carries 8 marks

30. Explain different causes of brain damage
31. Write an over view of water regulation of human body.
32. Explain different factors which regulate the food intake
33. Write an essay on obesity-causes and treatment.
34. Give detailed account on common neuropsychological disorders.

(3x 8 = 24 Marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
 Fourth Semester B.Sc Psychology Degree Examination, March 2017
PSY4B01 - Adult Development
 (2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 80

PART A

I. Answer all questions. Each question carries one mark

1. Ability to choose the best of several possible solutions and to recognize criteria for choosing

a) Pragmatism	b) Shifting gears
c) Awareness of paradox	d) Multiple causality
2. Sternberg's term for the practical aspect of intelligence

a) Experiential element	b) Met component
c) Contextual element	d) Performance component
3. In which stage there forms a chief concern to assist younger generation in developing.

a) Integrity Vs Despair	b) Generativity Vs Stagnation
c) Identity Vs Identity confusion	d) Initiative Vs Guilt
4. Tendency for young adults to return to their parents home while getting on their feet

a) Filial maturity	b) Filial crisis
c) Revolving clock syndrome	d) Care giver burnout
5. -----is the term for adjustment to new information about the environment
6.is focusing on a specific aspect of experience that is relevant.
7. Remembering to do something in the future is called
8. are DNA sequences that cap chromosomes.
9. Premenstrual syndrome
10. Deductive reasoning
11. Episodic memory
12. Revolving door syndrome

(12 x 1 = 12 Marks)

PART B

II. Answer any seven questions. Each questions carries two marks

13. Fluid intelligence
14. Empty nest syndrome
15. Acquistive stage
16. Emotional intelligence
17. Sandwich generation
18. Caregiver burnout
19. Relationship with maturing children.
20. Post formal thought
21. Alchohlism

(7 x 2 = 14 Marks)

PART C

III. Answer any six questions, each question carries five marks

22. Conditions influencing vocational satisfaction in early adulthood
23. Sternberg's theory of intelligence
24. Gay and Lesbian relationships in early adulthood
25. Parenthood in early adulthood
26. Dimensions of grieving.
27. Kinship ties in middle adulthood.
28. Dealing with divorce.
29. Attitude towards death at different points of lifespan.

(6 x 5 = 30 Marks)

PART D

IV. Answer any three questions as essays. Each question carries eight marks

30. Explain theories of ageing.
31. Explain health and physical condition in early adulthood.
32. Elaborate vocational adjustment in early adulthood
33. Elaborate models of cognitive development in early adulthood
34. Explain marital and non-marital relationships and parenthood in early adulthood

(3 x 8 = 24 Marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Fourth Semester BA Sociology Degree Examination, March 2017
PSY4C05 - Psychology of social behavior
(2015 Admission onwards)

Max. Time: 1.30 hours

Max. Marks: 40

Part A**Answer *all* questions. Each question carries *one* mark.**

1. Automatic vigilance
2. Staring
3. Emotional Expressiveness
4. Foot-in-the-door technique
5. Fundamental attribution error
6. Consistency
7. Social loafing

(7 x 1=7 Marks)**Part B****Answer any *five* questions. Each question carries *two* marks.**

8. Illusion of outgroup homogeneity
9. Discounting principle
10. Counterfactual thinking
11. Cognitive dissonance
12. Debriefing
13. Operant conditioning
14. Planning fallacy

(5 x 2 =10 marks)**Part C****Answer any *three* questions. Each question carries *five* marks.**

15. Cognitive approach to persuasion.
16. Potential sources of error in social cognition.
17. Elaborate different methods of social psychology.
18. Explain different kinds of heuristics in social cognition.
19. Different types of nonverbal communication.

(3 x 5 =15 Marks)**Part D****Answer any *one* question which carries *eight* marks.**

20. What is prosocial behavior? Explain theories of prosocial behavior .
21. Elaborate impression formation and its management.

(1 x 8= 8 Marks)

PART - B

Answer *any seven* questions. Each question carries *two* marks

13. What is a network mask?
14. What is slow-start?
15. What is Inter Process Communication?
16. Differentiate Blocking and Non-Blocking System Calls.
17. Define Socket.
18. What is SSL?
19. What is a Cell?
20. What is Distribution System (DS)?
21. Why you need a Geosynchronous satellite?

(7 x 2 = 14 Marks)

PART - C

Answer *any six* questions. Each question carries *five* marks

22. Explain UDP Datagram format and its fields.
23. What is DNS? What are the two important aspects of DNS?
24. Write a short note on PIPES?
25. List and explain types of sockets?
26. State the goals of 3G cellular networks.
27. Explain mobility principles?
28. Distinguish between GPS and GPRS.
29. Explain Bluetooth?

(6 x 5 = 30 Marks)

PART - D

Answer *any three* questions. Each question carries *eight* marks

30. Explain in detail the TCP/IP architecture.
31. Describe Semaphores?
32. Explain asynchronous I/O?
33. Compare and contrast FDMA, TDMA and CDMA techniques.
34. Explain IP based Mobile Telecommunications?

(3 x 8 = 24 Marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
 Fourth Semester B.Sc Psychology Degree Examination, March 2017
 PSY4C02 – Psychological Statistics
 (2015 Admission onwards)

Max. Time: 3 hours

Max. Marks: 80

Section-A

[Answer *all* Questions. Each question carries *one* mark]

1. Analysis of variance is a statistical technique introduced by -----
 (a) W.S. Gosset (b) R.A. Fischer (c) Neymann (d) Lehmann
2. If there are 8 possible classes under consideration for a goodness of fit, the number of degrees of freedom will be
 (a) 8 (b) 7 (c) 6 (d) None of these
3. Which one of the following is a least powerful scale
 (a) Nominal scale (b) ordinal scale (c) Interval scale (d) Ratio scale
4. ----- are distribution free test
 (a) Parametric test (b) Non parametric test (c) level of acceptance (d) None of these
5. The sign test assumes that the
 (a) Samples are independent (b) Samples are dependent
 (c) Samples have the same mean (d) None of the above
6. The error degrees of freedom for two way ANOVA with ' r ' rows and ' c ' columns is
 (a) r-1 (b) c-1 (c) (r-1)(c-1) (d) rc-1
7. The Wilcoxon Rank sum test is used to compare
 (a) Two populations (b) Three populations
 (c) a sample mean to the population mean (d) any number of populations
8. Analysis of variance utilizes ----- test
 (a) Chi- square test (b) F test (c) Z test (d) t test

Fill in the blanks

9. For a contingency table of order (3x4), the degrees of freedom for chi-square test is----
10. ----- test is the simplest of the non parametric test
11. Chi-square test was first used by-----
12. ----- distribution is used for testing goodness of fit.

(12 x 1=12 Marks)

Section-B

[Answer *any seven* questions. Each question carries *two* marks]

13. What is meant by validity
14. Give any two assumptions underlying the test of goodness of fit
15. What are contingency tables
16. Write down the test statistic of chi- square test for testing homogeneity
17. What are the advantages of non- parametric test
18. What is meant by Ratio scale
19. State three assumptions of ANOVA technique
20. State the null hypothesis of one way ANOVA
21. What is meant by non parametric test

(7 x 2=14 Marks)

Section-C

[Answer any six Questions. Each question carries five marks]

22. What are the steps in preparing a questionnaire ?
23. Write a short note on logistic regression
24. What is analysis of variance and where is it used? Give two suitable examples
25. Briefly explain Wilcoxon's Rank sum test
26. The following data give the number of lesions on halves of eight tobacco leaves

Pair number	1	2	3	4	5	6	7	8
Proportion 1, X_1	3	20	18	17	9	8	10	7
Proportion 2, X_2	1	17	14	11	10	7	5	6

Use Wilcoxon's signed rank test to test whether the two samples are significantly different

27. Outline the two way ANOVA procedure
28. The following are the marks obtained by 10 students in a certain examination
Marks: 43 48 65 57 31 60 37 48 78 59
Test the hypothesis that population variance is 100 (Test at 5% level of significance)
29. Write a short note on Run test

(6 x 5=30 Marks)

Section-D

[Answer any three Questions. Each question carries eight marks]

30. Three drugs A, B and C are given to 4 patients and their Hemoglobin level is given below. Analyze the data and test whether all three drugs are equally effective

A:	8	4	6	7
B:	7	5	5	3
C:	2	5	5	4

31. Discuss the term reliability. Explain the different methods of estimating reliability
32. (a) Explain the chi-square test for independence of attribute
(b) From the following table showing the number of plants having certain character. Test the hypothesis that the flower colour is independent of flatness of leaves. Use $\alpha = 0.05$)

Leaves	Flat leaves	Curled leaves	Total
Flowers			
White flowers	99	36	135
Red flowers	20	5	25
Total	119	41	160

33. Fit a Poisson distribution to the following data and test the goodness of fit

X	0	1	2	3	4	5	6
f	275	72	30	7	5	2	1

34. (a) Discuss the concept of Fischer's exact test
(b) Write a short note on Krushkal – Wallis test.

(3 x 8=24 marks)