

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester B.Sc Psychology Degree Examination, November 2023

BPS3B03 – Psychological Measurement & Testing

(2022 Admission onwards)

Time: 2 hours

Max. Marks : 60

Part A

Answer all questions.

Each question carries Two marks.

Ceiling - 20 Marks

1. What is absolute Zero
2. Define Jnd
3. What do you mean by method of rank order
4. Define Grade-equivalent norms
5. What is Deception
6. What is Culture free test
7. Define Item discrimination
8. What is Stevens' Power law
9. Define Construct Validity
10. Write about Historical Research
11. What are speed tests.
12. What is indexing

Part B

Answer all questions.

Each, question carries Five marks.

Ceiling - 30 Marks

13. Explain any two data collection techniques employed in psychological research with suitable examples
14. Differentiate between method of limits and method of average error
15. Explain different types of reliability
16. Differentiate between norm referenced & criterion referenced tests
17. Write a short note on item analysis
18. Discuss the role of review of related literature in scientific research
19. Examine the factors affecting test administration.

Part C

Answer any one questions.

Each question carries Ten marks.

20. What is measurement? What are the different levels of measurement?
21. Elucidate various steps involved in psychological research

(1 x 10 = 10 Marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester B.Sc Psychology Degree Examination, November 2023

BZL3C04 – Human Physiology – III

(2022 Admission onwards)

Time: 2 hours

Max. Marks : 60

Part A**Answer all questions.****Each, question carries Two marks. Ceiling - 20 Marks**

1. Define presbyopia.
2. Define blind spot
3. Name the two major theories of colour vision.
4. Explain the structure of the cochlea.
5. List out the functions of the pinna.
6. Name the major parts of olfactory system.
7. Name any four parts of the inner ear.
8. List out the positions of different taste buds in human tongue.
9. List out the types of pain
10. Name any two different kinds of cutaneous receptors and their functions.
11. List out the roles of Human chorionic gonadotropin.
12. Enumerate the major symptoms of hypothyroidism.

Part B**Answer all questions.****Each question carries Five marks. Ceiling - 30 Marks**

13. Explain the process of transduction in retina.
14. Describe the common hearing abnormalities and their effect on day-to-day life.
15. Explain the concept of taste thresholds and intensity discrimination.
16. How are tactile sensations transmitted.
17. Describe the role and working of pain suppressive system.
18. How do hormones regulate growth.
19. Give an account of the hormones secreted by the hypothalamus.

Part C**Answer any one questions. Each question carries Ten marks.**

20. Explain the mechanism of transmission of smell signals into the central nervous system and the categorization of smell.
21. Describe the different types of visual defects. (Mention causes, symptoms, effects and remedial measures)

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Reg. No:.....

Name:

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Third Semester B.Sc Psychology Degree Examination, November 2023

BST3C07 – Probability Distributions and Parametric Tests

(2022 Admission onwards)

Time: 2 hours

Max. Marks : 60

PART A (SHORT ANSWERS)

Each question carries 2 marks. Maximum 20 marks.

1. Give the mean and variance of binomial distribution with $n = 7$ and $p = 0.6$.
2. Under what conditions can we approximate binomial distribution with Poisson distribution?
3. Define central limit theorem.
4. What is meant by a sampling unit?
5. What is meant by non-random sampling?
6. Define test statistic.
7. What is meant by p – value?
8. What is a most powerful test?
9. What is meant by Z test? Give a situation where this can be used.
10. Give the test statistic for the equality of two population proportions mentioning each term.
11. Give the critical region for testing $H_0: \sigma = \sigma_0$ against $H_1: \sigma > \sigma_0$ based on a sample of size 12 from a normal population, when $\alpha = 0.05$.
12. Give the test statistic for significance of normal population mean when sample size is small and σ is unknown.

PART B (LONG ANSWERS)

Each question carries 5 marks. Maximum 30 marks.

13. A and B plays a game in which their chances of winning are in the ratio 4:3. Find B's chance of winning at least 3 games out of 7 games played.
14. If X is normally distributed with mean -2 and variance 9, find the number k such that $P(X < k) = 0.35$.
15. Discuss about the advantages and limitations of sampling over census.
16. Distinguish between the two types of possible errors in tests of hypothesis.
17. A random sample of 49 drinks from a soft drink machine has an average content of 7.4 ounces with a standard deviation of 0.48 ounces. Test the hypothesis $H_0: \mu = 7.5$ ounces against $H_1: \mu < 7.5$ at $\alpha = 0.05$.
18. An I.Q. test was administered to 6 persons before and after they were trained. The results are as in following table. Test whether there is any change in I.Q. after the training.

Candidate	A	B	C	D	E	F
Before training	110	120	123	132	125	115
After training	120	118	125	136	121	121

19. Test for the significance of correlation coefficient at 5% level of significance if the sample of size $n = 27$ gives a sample correlation coefficient of 0.6.

PART C (ESSAY)

Answer any one question. Carry 10 marks.

20. Fit a Poisson distribution to the following data.

No. of Accidents	0	1	2	3	4	5
No. of days	95	75	44	18	2	1

21. What is meant by probability sampling? Discuss in detail various methods of probability sampling.

(1 x 10 = 10 Marks)

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE
Third Semester BA Sociology Degree Examination, November 2023
BPS3C03 – Psychology of Abnormal Behaviour
 (2022 Admission onwards)

Time: 1 ½ hours

Max. Marks : 40

Section A

Short answer questions. Each question carries 2 marks.
There shall be a ceiling of 10 marks in this section. Define the following

1. What do you mean by Neologism?
2. Define Mental disorder
3. What is Dysthymia?
4. What is Trichotillomania .
5. Define Phobia
6. What is Free floating anxiety disorder?
7. Define Aphonia
8. What is meant by Illness anxiety disorder?

(Ceiling 10 marks)

Section B

Write short essay on the following questions.. Each question carries 5 marks. There shall be a ceiling of 20 marks in this section

9. Explain warning signs of suicidal behaviour
10. Give an account on the clinical picture of conversion disorder.
11. Write a short paragraph on bipolar disorders
12. Distinguish between positive and negative symptoms of schizophrenia with the help of suitable examples
13. Write a short note on coping strategies of stress.
14. Give an account on Dissociative disorders

(Ceiling 20 marks)

Section C

Essay type questions. Answer any one question.
Each question carries 10 marks.

15. Outline the signs, symptoms and clinical features of Schizophrenia
16. Briefly explain the anxiety disorders

(1 x 10 = 10 Marks)