

D 111987

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2024**

Psychology

PSY 3B 01—PSYCHOLOGICAL MEASUREMENT AND TESTING

(2019—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A*Answer all questions.**Answer in two or three sentences.**Each question carries 2 marks.**There shall be a ceiling of 20 marks in this section.*

- | | |
|----------------------------|------------------------|
| 1. Psychological test. | 2. Nominal scale. |
| 3. Split-half reliability. | 4. Threshold. |
| 5. Objectivity. | 6. Speed test. |
| 7. Content validity. | 8. Dependent variable. |
| 9. Questionnaire. | 10. Sample. |
| 11. Rating scale. | 12. Validity. |

(Ceiling 20 marks)

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

13. What are the levels of measurement ? Explain.
14. Explain the properties of scales of measurement.
15. Explain the characteristics of a good test.
16. Discuss the ethical issues in psychological testing.

Turn over

17. Define variable and explain the different types of variables.
18. What are the data collections techniques ? Explain.
19. Elucidate the meaning and characteristics of scientific research.

(Ceiling 30 marks)

Section C (Essay Type Questions)

Answer any of the following.

The question carries 10 marks

20. Define Psychological test and explain the steps of test construction.
21. What is research and discuss the different types of research.

(1 × 10 = 10 marks)

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(Pages : 2)

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**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2024**

Psychology

PSY 3B 01—PSYCHOLOGICAL MEASUREMENT AND TESTING

(2019—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer all questions.

Answer in two or three sentences.

Each question carries 2 marks.

There shall be a ceiling of 20 marks in this section.

- | | |
|----------------------------|------------------------|
| 1. Psychological test. | 2. Nominal scale. |
| 3. Split-half reliability. | 4. Threshold. |
| 5. Objectivity. | 6. Speed test. |
| 7. Content validity. | 8. Dependent variable. |
| 9. Questionnaire. | 10. Sample. |
| 11. Rating scale. | 12. Validity. |

(Ceiling 20 marks)

Section B

Answer all questions.

Answer in a paragraph of about half a page to one page.

Each question carries 5 marks.

There shall be ceiling of 30 marks in this section.

13. What are the levels of measurement ? Explain.
14. Explain the properties of scales of measurement.
15. Explain the characteristics of a good test.
16. Discuss the ethical issues in psychological testing.

Turn over

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17. Define variable and explain the different types of variables.
18. What are the data collections techniques? Explain.
19. Elucidate the meaning and characteristics of scientific research.

(Ceiling 30 marks)

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Section C (Essay Type Questions)

Answer any of the following.
The question carries 10 marks

20. Define Psychological test and explain the steps of test construction.
21. What is research and discuss the different types of research.

(1 × 10 = 10 marks)

THIRD SEMESTER (C)

ENG 3A 05—7

Time : Two Hours and a Half Hour

Answer the f

1. What are the examples of economic unit?
2. What was the attitude of the British towards the economic unit?
3. Why do Kondhs give up their land?
4. What happened to the Kondhs?
5. In 'Other' World, what happened?
6. What did Nabin do?
7. What happened to Nabin?
8. According to the British, what was the attitude of the Kondhs?
9. "It is not enough to speak the language of the British." What does this mean?
10. How do the British treat the Kondhs?
11. According to the British, what was the attitude of the Kondhs?
12. What was the attitude of the British towards the Kondhs?
13. In the 'Other' World, what happened?

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(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Psychology

PSY 3C 06/PSY 4C 05—LIFE SPAN DEVELOPMENT AND PSYCHOLOGY OF SOCIAL
BEHAVIOUR

(2019—2022 Admissions)

Time : Two Hours and a Half

Maximum : 80 Marks

Section A

Answer all questions.

Answer in two or three sentences.

Each carries 2 marks.

There shall be ceiling of 25 marks in this Section 1.

1. Growth.
2. Identity crisis.
3. Ego.
4. Teratogen.
5. Pincer grip.
6. Phoneme.
7. Temperament.
8. Sociobiology.
9. Survey.
10. Schemas.
11. Social cognition.
12. Facial feedback hypothesis.
13. Informational social influence.

Turn over

14. Bystander effect.
15. Punishment.

(Ceiling - 25 Marks)

Section B

Answer all questions.

Answer in a paragraph of about half a page to one page.

Each question carries 5 marks.

There shall be ceiling of 35 marks in this Section.

16. Developmental tasks of late childhood.
17. Effect of teratogens on prenatal development.
18. Issues in late adulthood.
19. Which are the factors which made divorcing people less likely to have health difficulties ?
20. How does schemas affect social cognition ?
21. How do we form impressions ?
22. Examine the factors that affect conformity.
23. Which are the internal and external determinants of pro-social behaviour ?

(Ceiling- 35 Marks)

Section C

Answer any two questions.

Each question carries 10 marks.

24. Elucidate the periods of development as mentioned by Eric Erickson.
25. How does language development takes place in an individual ?
26. Explain the tactics used to gain compliance.
27. Give a brief account of the theoretical explanations on aggression

(2 × 10 = 20 marks)

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(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Psychology

PSG 3C 01—HUMAN PHYSIOLOGY—III

(2019—2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer in a sentence.

Answer all questions.

Each question carries 1 mark.

1. Which is the outermost layer of the eye ?
2. Which is the spot where both rods and cones are present ?
3. What is colour blindness ?
4. Trichromatic theory was proposed by _____.
5. Which are the three bones in the middle ear ?
6. The non-myelinated axons of the olfactory epithelium is called _____.
7. _____ is a part of the auditory thalamus and represents the thalamic relay between the inferior colliculus (IC) and the auditory cortex (AC).
8. Pain receptors are also called _____.
9. What are Hormones ?
10. Why is pituitary gland called the master gland ?

(10 × 1 = 10 marks)

Section B (Short Answers)

Answer any five questions.

Each question carries 2 marks.

11. Visual coding.
12. Blind spot.

Turn over

13. Loudness.
14. Mechanoreceptors.
15. Audiometry.
16. Taste bud.
17. Somatosensory-cortex.
18. Proprioception.
19. Thyroxin.
20. Placenta.

Section C

(5 × 2 = 10)

Answer in a paragraph.

Answer any five questions.

Each question carries 4 marks.

21. Opponent process theory.
22. Which are the different hearing abnormalities ?
23. How do we detect tactile sensation ?
24. What are the functions of aqueous humor and vitreous humor ?
25. What is the role of statoreceptors in our body ? Where is it located ?
26. How do we categorize smell ?
27. Importance of endocrine glands.
28. How do hormones act in our body ?

Section D (Essay Questions)

(5 × 4 = 20)

Answer any two questions.

Each question carries 10 marks.

29. Explain the anatomy of auditory system.
30. Elucidate the taste pathway and the process of transmission of taste.
31. What are Pain receptors ? What is their purpose ? And how do we sense pain ?
32. Which are the major visual defects ? Explain.

(2 × 10 = 20)

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(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Psychology

PSG 3C 01—HUMAN PHYSIOLOGY—III

(2019—2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer in a sentence.

Answer all questions.

Each question carries 1 mark.

1. Which is the outermost layer of the eye ?
2. Which is the spot where both rods and cones are present ?
3. What is colour blindness ?
4. Trichromatic theory was proposed by _____.
5. Which are the three bones in the middle ear ?
6. The non-myelinated axons of the olfactory epithelium is called _____.
7. _____ is a part of the auditory thalamus and represents the thalamic relay between the inferior colliculus (IC) and the auditory cortex (AC).
8. Pain receptors are also called _____.
9. What are Hormones ?
10. Why is pituitary gland called the master gland ?

(10 × 1 = 10 marks)

Section B (Short Answers)

Answer any five questions.

Each question carries 2 marks.

11. Visual coding.
12. Blind spot.

Turn over

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- 13/ Loudness.
- 14/ Mechanoreceptors.
- 15/ Audiometry.
- 16/ Taste bud.
- 17/ Somatosensory-cortex.
- 18/ Proprioception.
- 19/ Thyroxin.
- 20/ Placenta.

(5 × 2 = 10 marks)

Section C

Answer in a paragraph.

Answer any five questions.

Each question carries 4 marks.

- 21/ Opponent process theory.
- 22/ Which are the different hearing abnormalities ?
- 23/ How do we detect tactile sensation ?
- 24/ What are the functions of aqueous humor and vitreous humor ?
- 25/ What is the role of statoreceptors in our body ? Where is it located ?
- 26/ How do we categorize smell ?
- 27/ Importance of endocrine glands.
- 28/ How do hormones act in our body ?

(5 × 4 = 20 marks)

Section D (Essay Questions)

Answer any two questions.

Each question carries 10 marks.

- 29/ Explain the anatomy of auditory system.
- 30/ Elucidate the taste pathway and the process of transmission of taste.
- 31/ What are Pain receptors ? What is their purpose ? And how do we sense pain ?
- 32/ Which are the major visual defects ? Explain.

(2 × 10 = 20 marks)

430811

D 51775

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Psychology

PSY 3B 01—PSYCHOLOGICAL MEASUREMENT AND TESTING

(2019—2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer all questions in two or three sentences.

Each question carries 2 marks.

There shall be a ceiling of 20 marks in this Section.

1. Interval Scale.
2. Define Psychological test.
3. Differential threshold.
4. Norms.
5. Speed test.
6. Personality test.
7. Item analysis.
8. Construct validity.
9. Inter-scorer reliability.
10. Random sampling.
11. Hypothesis.
12. Extraneous variables.

(Ceiling of 20 Marks)

Turn over

430811

Section B

Answer all questions in a paragraph.

Each question carries 5 marks.

There shall be a ceiling of 30 marks in this Section.

13. Distinguish Psychological and physical measurement.
14. Method of Minimal Changes.
15. Characteristics of a good test.
16. Types of Norms.
17. What are the factors that affect the validity of a test?
18. Differentiate inferential from Descriptive statistics.
19. Examine the different types of research.

(Ceiling of 30 Marks)

Section C

Answer any one question.

The question carries 10 marks.

20. What is a Psychological scale? Examine the different properties of scales of measurement.
21. Explain the steps in constructing a test.

(1 × 10 = 10 marks)

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(Pages : 2)

Name.....

Reg. No.....

THIRD SEMESTER (CBCSS-UG) DEGREE EXAMINATION, NOVEMBER 2023

Statistics

STA 3C 02—PROBABILITY DISTRIBUTIONS AND PARAMETRIC TESTS

(2019–2022 Admissions)

Time : Two Hours

Maximum : 60 Marks

*Use of calculator and statistical table are permitted.***Section A (Short Answer Type Questions)***Each question carries 2 marks.**All questions can be attended.**Overall Ceiling 20 marks.*

- 1/ Define standard normal distribution ?
2. The probability of getting a head when a biased coin is tossed is 0.6. What is the probability of getting three heads when this coin is tossed five time ?
3. If X is a point Bernoulli random variable with parameter p , then the variance of X is
4. If Y is a Poisson random variable with parameter λ , then the probability of $Y = 1$ is
- 5/ What is the additive property of Normal distribution ?
6. What do you mean by a statistical hypothesis ?
- 7/ Write the test statistic for testing the mean of a population has specific value in large sample test when the population SD (1) σ is known (2) σ is unknown.
- 8/ Explain simple hypothesis with an example.
- 9/ What is the standard error for testing the equality of means of two populations based on large samples when the standard deviations are unknown and equal ?
- 10/ Give the statistic under the null hypothesis of testing the difference of means of two normal population for small sample, when σ unknown.
- 11/ What is meant by Sampling ?
- 12/ What is non-sampling error ?

(Ceiling 20 marks)

Turn over

Section B (Short Essays/Paragraph Type Questions)

Each question carries 5 marks.

All questions can be attended.

Overall Ceiling 30 marks

13. Explain the binomial random experiment and binomial distribution.
14. Define Normal distribution. Describe its four important properties.
15. Define simple random sampling and explain a good method of drawing such a sample from a given population.
16. If X is binomially distributed with 6 trials and a probability of success equal to at each attempt, what is the probability of (a) exactly 4 successes ; and (b) at least one success ?
17. Given a Normal distribution with mean = 40 and SD = 10. Find the value of X that has (a) 15% of the area to its left ; (b) 20% of the area to its right.
18. Explain the term standard error, level of significance and Rejection region in the context of testing of hypothesis.
19. The mean life of 100 fluorescent light tubes produced by a company is computed to be 1,570 hours with standard deviation of 120 hours. The company claims that the average life of the tubes produced by the company is 1,600 hours. Using the level of significance of 0.05, is the claim acceptable ?

(Ceiling 30 marks)

Part C (Short Essay Type Questions)

Answer any **one** question.

The question carries 10 marks.

20. Define systematic sampling. How will you select it ? Discuss its relative merits and demerits.
21. Time taken by workers in performing a job by Method I and Method II are given below :

Method I	20	16	26	25	23	
Method II	28	33	42	35	52	34

Does the data show that the variances of time distribution by the two methods do not differ significantly. Given that the time distribution are normal.

(1 × 10 = 10 marks)

D 31832

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Psychology

PSY 3B 01—PSYCHOLOGICAL MEASUREMENT AND TESTING

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer all questions in 2 or 3 sentences.

Each question carries 2 marks.

There shall be a ceiling of 20 marks.

1. Psychological scaling.
2. Probability sampling.
3. Weber's Law.
4. Validity.
5. Standard score.
6. Norm referencing.
7. Method of rank order.
8. Split-half reliability.
9. Hypothesis.
10. Descriptive statistics.
11. Content analysis.
12. Psychological test.

(20 marks)

Turn over

Section B

D 31832

Answer all questions in a paragraph of half a page to one page.

Each question carries 5 marks.

There shall be a ceiling of 30 marks.

13. What is a research problem ? Examine the different sources of research problems.
14. Explain the different levels of measurement.
15. Which are the characteristics of a good test ?
16. How do we standardize a psychological test ?
17. What is the advantage of having a research design ?
18. Which are the factors that affect testing ?
19. What is the meaning and purpose of item analysis ?

(30 marks)

Section C (Essay Questions)

Answer any one of the following.

The question carries 10 marks.

20. What is psychological testing ? Which are the different types of tests ?
21. Examine the process of conducting research.

(10 marks)

D31837

(Pages : 2)

290047

Name Bharathi TP

Reg. No. TSAY2010

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Psychology

PSG 3C 01—HUMAN PHYSIOLOGY—III

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Part A

Answer all questions in a sentence.

Each question carries 1 mark.

- | | |
|----------------------------|--------------------------|
| 1. Thermal receptor. | 2. Cataract. |
| 3. Medial geniculate body. | 4. Thyroid. |
| 5. Exocrine gland. | 6. Cutaneous sense. |
| 7. Colour blindness. | 8. Taste buds. |
| 9. Pituitary gland. | 10. Periaqueductal gray. |

(10 × 1 = 10 marks)

Part B

Write short notes on any five.

Each question carries 2 marks.

- | | |
|------------------------|--------------------------|
| 11. Tensor tympani. | 12. Thymus. |
| 13. Olfactory Cells. | 14. Somatic sense. |
| 15. Phantom limb pain. | 16. Categories of smell. |
| 17. Kinesthetic sense. | 18. Sensory system. |
| 19. Position sense. | 20. Taste threshold. |

(5 × 2 = 10 marks)

Turn over

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Part C

*Answer any five questions in a paragraph.
Each question carries 4 marks.*

21. Structure of eye with diagram.
22. How are tactile sensations detected and transmitted ?
23. Visual pathway.
24. Influence of hormone in growth and behaviour.
25. Classification of cutaneous sense.
26. Taste pathway.
27. Endocrine glands.
28. Chemistry of vision and transduction in retina.

(5 × 4 = 20 marks)

Part D (Essay Questions)

*Answer any two questions.
Each question carries 10 marks.*

29. Explain purpose of pain, type, sensation and the pain suppressive system.
30. What is position sense ? Explain the receptors responsible and the sensory pathway.
31. Describe the organization of olfactory membrane and sense of smell.
32. Explain the theories of colour perception and visual defects.

(2 × 10 = 20 marks)

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D 31832

(Pages : 2)

Name Banana T.P.

Reg. No. TEAVSEPO10

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Psychology

PSY 3B 01—PSYCHOLOGICAL MEASUREMENT AND TESTING

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A

Answer all questions in 2 or 3 sentences.

Each question carries 2 marks.

There shall be a ceiling of 20 marks.

1. Psychological scaling.
2. Probability sampling.
3. Weber's Law.
4. Validity.
5. Standard score.
6. Norm referencing.
7. Method of rank order.
8. Split-half reliability.
9. Hypothesis.
10. Descriptive statistics.
11. Content analysis.
12. Psychological test.

(20 marks)

Turn over

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Section B

Answer all questions in a paragraph of half a page to one page.

Each question carries 5 marks.

There shall be a ceiling of 30 marks.

13. What is a research problem? Examine the different sources of research problems.
14. Explain the different levels of measurement.
15. Which are the characteristics of a good test?
16. How do we standardize a psychological test?
17. What is the advantage of having a research design?
18. Which are the factors that affect testing?
19. What is the meaning and purpose of item analysis?

(30 marks)

Section C (Essay Questions)

Answer any one of the following.

The question carries 10 marks.

20. What is psychological testing? Which are the different types of tests?
21. Examine the process of conducting research.

(10 marks)

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(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Statistics

STA 3C 02—PROBABILITY DISTRIBUTIONS AND PARAMETRIC TESTS

(2019 Admission onwards)

Maximum : 60 Marks

Time : Two Hours

Section A

Each question carries 2 marks.

Maximum Marks that can be scored in this section is 20.

1. If the mean and variance of a binomial random variable X is 6 and 3. Find $P(X = 1)$.
2. 2% of an item produced by a company is defective. Out of a packet of 100 items, use Poisson distribution to find the probability of getting 5 defectives.
3. Write any four properties of normal distribution.
4. If X follow normal distribution with mean 5 and variance 9, find $P(X < 5)$ and $P(X > 2)$.
5. Write the p.d.f. of Z following standard normal distribution. Also mention the mean and variance of Z .
6. Define primary and secondary data.
7. Define convenience sampling.
8. What is meant by cluster sampling?
9. Define critical region.
10. Define power of a test.
11. Explain the errors involved in testing of hypothesis.
12. Describe the test statistics used in small sample test of variance of a normal distribution.

Turn over

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Section B

Each question carries 5 marks.

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

13. For X following binomial distribution with parameters 10 and 0.4, Find
(i) Standard deviation of X ; and (ii) $P(X < 10)$
14. For a random variable X following Poisson distribution, $P(X = 1) = P(X = 2)$. Find $P(X = 3)$.
15. If X is normally distributed with mean 20 and with variance 16 hours. What are the probabilities
(i) for X to lie between 15 and 25; and (ii) less than 18 or greater than 22?
16. Explain the method of systematic sampling.
17. In shop apples are available in a bundle of 5 apples. A random sample of 64 bundles gives an average weight of 970 grams with a standard deviation of 80 grams. Test the hypothesis that the average weight of bundles is 1000 grams or not at the 0.05 level of significance.
18. A random sample of 500 items produced by a machine show 36 defectives. Test the claim the machine is producing only 5% of defectives at 5% level of significance.
19. Explain the test for equality of variances of two normal populations.

Section C

Answer any one question and carries 10 marks.

20. (i) Explain the large sample test of equality of means of two populations.
(ii) A random sample of 120 students from college A, gives their average internet data usage per day as 2.4 GB, with a standard deviation 1.2 GB. Another random sample of 180 students from the college B gives their average internet data usage per day as 2.8 GB, with a standard deviation 1.4 GB. Test whether the average data usage among the students of these two districts differs significantly at 5% level of significance.
21. (i) Explain small sample test for the mean of a normal populations with unknown variances.
(ii) Test the hypothesis that a coffee vending machine spills out an average of 240 ml of coffee in a single operation. 10 cups of coffee are examined and the contents are found to be 245, 238, 246, 242, 237, 241, 236, 238, 240, 241 ml., of coffee. Use a 0.05 level of significance and assume that the distribution of contents is normal.

(1 × 10 = 10 marks)

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(Pages : 2)

Name.....

Reg. No.....

THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION, NOVEMBER 2021

Psychology

PSY 3B 01—PSYCHOLOGICAL MEASUREMENT AND TESTING

(2019—2020 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer at least eight questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

- ✓1. Hypothesis.
- ✓3. Content validity.
- ✓5. Content analysis.
- ✓7. Measurement.
- ✓9. Variables.
- ✓11. Criterion referencing.

- ✓2. Split-half reliability.
- ✓4. Descriptive statistics.
- ✓6. Psychological test.
- ✓8. Psychophysics.
- ✓10. Standardization.
- ✓12. Reliability.

(8 × 3 = 24 marks)

Section B

*Answer at least five questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

- ✓13. Which are the characteristics of a good test?
- ✓14. How do we standardize a psychological test?
- ✓15. What is the advantage of having a research design?
- ✓16. Which are the factors that affect testing?
- ✓17. Which are the different sources of review?
- ✓18. What are norms? Which are the different types of norms?
- ✓19. Examine the properties of measurement scales.

(5 × 5 = 25 marks)

Turn over

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Section C (Essay Questions)

*Answer any **one** question.
The question carries 11 marks.*

20. Examine the process of conducting research.
21. Explain the ethical issues to be considered while using psychological tests.

(1 × 11 = 11 marks)