

2017

EDUCATION

Full Marks : 100

Pass Marks : 33

Time : Three Hours and *Fifteen Minutes

*(*15 minutes are given as extra time for reading questions)*

All the questions are compulsory.

The figures in the right margin indicate full marks for the questions.

GROUP—A

Answer the following questions 1 to 9 by a word/group of words/sentence. Each question carries 1 (one) mark only.

1. What is the function of receptors ? 1
2. What is sensation ? 1
3. Name one endocrine gland of a human body. 1
4. Write one function of the motor nerves. 1
5. Name one common emotion of a child of 8 years. 1
6. Write one relation between motivation and learning. 1
7. Suggest one way of breaking of bad habit. 1

8. What, according to woodworth, is emotion ? 1
9. Write one relation between instinct and emotion. 1

For question 10 to 13 rewrite the sentence by filling the gap with the appropriate word/words/name from the given alternatives against the respective sentences.

10. Sense organs are also known as _____. (Receptors / effectors / neurons). 1
11. Genetic psychology studies _____. (the behaviour of animals / growth and development / the behaviour of people in groups). 1
12. According to _____, "In certain specific situation there are certain specific innate modes of behaviour which do not have to be learned and which are common to all members of a species." (James S. Ross / C.W. Valentine/ Mc Dongall). 1
13. According to _____, "the mind acts in various ways through bodily organism as its medium." (Stout / Mc Dongall / Morton Prince). 1

Answer the following questions (14 to 19) in not more than 40 words each.

14. What is meant by Psychology ? 3
15. Write the relationship between education and psychology. 3
16. What is perception ? 3
17. Suggest three causes of forgetting. 3
18. What is reflex action ? 3
19. What is Intelligence Quotient ? 3

Answer the following question (20 to 24) in not more than 50 words each.

20. Write how educational psychology helps the teacher in moulding the behaviour of his / her students in the school. 4
21. Draw a neat labelled diagram of the human brain showing the different parts of it. 4
22. Write the important four characteristics of growth and development. 4
23. Discuss Thorndike's Trial and Error theory. 4
24. Write any four instincts that are educationally significant. 4

Answer the following questions (25 to 27) in not more than 100 to 150 words each.

25. What is heredity ? Discuss the mechanism of heredity. 3+5=8
26. What is interest ? Write the role of a teacher to arouse children's interest and attention in the classroom situation. 3+5=8
27. What is meant by personality ? Write the different factors of personality. 3+5=8

GROUP -B

Answer the following questions (28 to 31). Each question carries 1 (one) mark only.

28. What is the value of mode from the given series, 3, 5, 5, 6, 6, 7, 7, 7, 8, 8 ? 1
29. Write the formula of Mean for ungrouped scores. 1
30. According to, _____ "Statistics is the Science of estimates and probabilities." (Baddington/Seligmen/ Elhance). 1
31. _____ is used when the most accurate measure of the central tendency is desired. (Mean/Median/Mode). 1

Answer the following questions.

32. What is frequency distribution ? 3
33. Write the main functions of statistics. 3
34. Write three uses of median. 3
35. Draw a Histogram from the given scores using graph papers. 4

| Scores | f |
|---------|-------|
| 10 – 15 | 1 |
| 15 – 20 | 2 |
| 20 – 25 | 5 |
| 25 – 30 | 8 |
| 30 – 35 | 4 |
| 35 – 40 | 2 |
| | <hr/> |
| | N= 22 |

36. Calculate Mean, Median and Mode from the scores given below. 8

| Scores | f |
|---------|-------|
| 6 – 10 | 1 |
| 11 – 15 | 3 |
| 16 – 20 | 4 |
| 21 – 25 | 6 |
| 26 – 30 | 10 |
| 31 – 35 | 5 |
| 36 – 40 | 4 |
| 41 – 45 | 2 |
| 46 – 50 | 1 |
| | <hr/> |
| | N= 36 |