

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 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/words/sentence. Each question carries 1 (one) mark only.

1. Write *one* useful knowledge of psychology for the teacher. 1
2. What is auditory sensation ? 1
3. Write *one* important factor of Memory. 1
4. What is the best method of learning you may adopt for effective teaching to write ? 1
5. How can instinct be modified ? 1
6. What is the emotion in association with the instinct of Gregarious ? 1

7. Who said, "Emotion is a moved or stirred up state of the individual" ? 1
8. Mention *one* factor of personality. 1
9. What is Motivation ? 1

For questions 10 to 13, rewrite the sentences by filling the gaps with the appropriate word/words from the given alternatives against the respective sentences.

10. Psychology was considered upto 16th century as a science of _____ .
(soul / mind / behaviour) 1
11. The beginning of educational psychology may be considered from the year _____ . (1800 / 1880 / 1901) 1
12. The origin of human life can be traced to _____. (2 cells / a single cell / no cell at all) 1
13. The male has only _____. (X chromosome / Y chromosome / XY chromosome) 1

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

14. "Education and Psychology are not contradictory but complementary to each other" — Explain this statement. 3
15. How can we help in the formation of concepts in child's mind ? 3
16. Write *any three* psycho-physical development of Adolescence. 3
17. "Interest is latent attention and attention is interest in action". Discuss this statement. 3
18. Write the *three* stages of an instinctive act. 3

19. How are Intelligence tests useful to the teacher? 3

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

20. Write *any four* points included in the scope of educational psychology. 4

21. Draw the diagram of a human brain and show its major parts. (Cerebellum and Cerebrum) 2+2=4

22. Write *four* points of difference between Receptors and Effectors. 4

23. Why do we forget? Explain *three* causes of forgetting. 1+3=4

24. What are the types of Emotion according to McDougall? 4

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

25. What do you mean by Childhood? Discuss in brief *six* characteristics of childhood. 2+6=8

26. What is learning? Discuss Thorndike's laws of learning. How can they be applied to the learning situation? 2+4+2=8

27. What are the various techniques of assessing Personality? How can it be rated? 4+4=8

GROUP-B

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

28. Write *one* use of graph. 1

29. What is the Mode value for this set of scores 8, 7, 7, 6, 5, 7, 8, 10 ? 1
30. When the scores are symmetrical Mean and Median will fall on the _____ score. (beginning / same / last) 1
31. When the range is 100, the most appropriate size of class interval is _____ . (3 / 5 / 10) 1

Answer the following questions.

32. What is the Central tendency ? 3
33. Give any three uses of Median. 3
34. The time by your watch is 10:31 O'clock whereas two watches of your friends show 10:25 and 10:34 O'clock respectively. What would probably be the 'correct time' ? 3
35. Draw a histogram in a graph paper from the scores given below : 4

| Scores | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| frequencies | 2 | 4 | 5 | 7 | 4 | 3 | 1 | 1 |

36. Tabulate the following 25 scores into a frequency distribution table taking 5 as class interval and calculate Median from this frequency distribution table. 4+4=8

25 36 45 44 42
 22 40 52 25 21
 35 41 42 35 22
 20 38 50 24 50
 30 40 21 31 22