2016

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

1. What does the word 'Psyche' in psychology mean ?   1

2. Mention *one* of the bodily changes during early childhood.   1

3. Write *one* characteristic of learning.   1

4. Give *one* relation between interest and attention.   1

5. Write *one* improved method which enhance memory.   1

6. Give *one* relation between instinct and emotion.   1

7. Mention *one* method of modifying instincts.   1

8. Write the formula of I.Q.   1

9. Give *one* type of personality.   1

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

10. _____ said, "Educational psychology deals with the behaviour of human beings in educational situation." (Skinner, Crow & Crow, Mc Dougall)   1

11. _____ glands secrete their fluids to the body surface of the human beings. (Duct, ductless, hormone)   1

12. Typical daily requirements of adolescent boys are _____ calories. (3000, 3200, 3300)   1

13. Mc. Dougall had listed _____ principal instincts which arouse in human beings. (12, 14, 16)   1

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

14. What is autonomic nervous system ?   3

15. Write *three* general characteristics during infancy.   3

16. Mention *three* factors of memory.   3

17. Suggest the most *three* satisfactory ways of dealing with instinctive urges of young boys.   3

18. What is personality according to Mc. Dougall ?   3

19. Write *three* types of performance test of intelligence.   3

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

20. How can you help your 4 year old younger sister in concept formation ?   4

21. Draw a diagram of human brain and indicate temporal lobe and frontal lobe.   4

22. Write *four* relationship between attention and interest.   4

23. What is sublimation ?   4

24. Write briefly the usefulness of Bradfield Classroom Interaction Analysis.   4

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

25. What, according to Woodworth, is Psychology ? Write the relation between Psychology and Education.   8

26. Write the psychological characteristics of adolescence phase.   8

27. Define habit and what is the importance of good habit in life ?   8

GROUP – B

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

28. "Statistics is the Science of estimates and probabilities." Who said this ?

1

29. Write the formula of median of ungrouped scores.   1

30. _____ is used when the mid-point of the distribution i.e. 50% is wanted. (Mean, Median, Mode)   1

31. _____ is used when there is big gap in the distribution of the frequency. (Mean, Median, Mode)   1

Answer Question Nos. 32-34 in about 50 words each.

32. What is frequency distribution ?   3

33. Write *three* functions of statistics in Education.   3

34. Write *three* uses of mean.   3

35. Draw a frequency polygon from the scores given below.   4

Scores	f
7–10	1
11–14	3
15–18	5
19–22	7
23–26	6
27–30	4
31–34	3
35–38	1
	$N = 30$

36. What is Arithmetic Mean ? Calculate mean from the scores given below by using short method.   8

Scores	f
10–14	1
15–19	2
20–24	5
25–29	8
30–34	6
35–39	3
40–44	2
45–49	1
	$N = 28$