

2020

EDUCATION

Full Marks : 100

Pass Marks : 33

Time : Three hours

All the questions are compulsory.

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

For questions 1 to 4, choose the correct answer from the given alternatives, A, B, C or D.

1. Who is known as the father of modern educational psychology? 1
 - A. Heinrich Pestalozzi
 - B. James Drever
 - C. J.B. Watson
 - D. Skinner

2. Which of the following words does NOT describe perception? 1
 - A. A passive process
 - B. A psychological process
 - C. No direct contact with the physical world
 - D. Using sense organs

P.T.O.

3. Which method is used when quick and appropriate measure of the central tendency is to be found out ? 1

- A. Mean
- B. Median
- C. Mode
- D. None of the above

4. Which diagram is used when the scores are spread uniformly over their intervals ? 1

- A. Polygon
- B. Histogram
- C. Bar graph
- D. Circle graph

Answer the following questions 5 to 12 by a word/sentence. Each question carries 1 (one) mark only.

5. Which part of the brain acts as the sleep centre ? 1

6. What is the chromosome combination of a human female in the germ cell ? 1

7. Suggest one way to ensure future mental and intellectual development of an infant. 1

8. What is reflex action ? 1
9. Suggest one measure which can remove boredom and fatigue from the mind of students. 1
10. What is a Graph ? 1
11. What is the formula of Mean for grouped data ? Short method. 1
12. Write one utility of graph. 1

Answer the following questions (13 to 24) is not more than 40 words each.

13. What are the two Greek words from which the word "Psychology" has been derived ? 2
14. Write the differentiating points between education and psychology. 2
15. What are the two divisions of central nervous system ? 2
16. Write two characteristics of sensation. 2
17. Suggest two techniques which can help in formation of a child's concept. 2
18. Suggest two conditions which are essential for human growth. 2
19. Write two differences between learning and maturation. 2
20. Write two suggestions to overcome forgetting. 2
21. How would you distinguish feeling and emotion ? 2
22. Suppose you are a teacher, how would you sublimate the curiosity instinct of your students ? 2

23. Write two uses of statistics in education. 2
24. Calculate the median from the following scores. 2

Scores	Frequency
5 – 10	2
10 – 15	5
15 – 20	7
20 – -25	3
25 – 30	3

N = 20

Answer the following questions (25 to 33) in not more than 50 words each.

25. Why are the sense organs known as the gateways of knowledge? 4
26. Suggest four measures which may prevent brain injury from a motor vehicle accident. 4
27. Write the difference between the biological heredity and social heredity. 4
28. What is meant by innate and acquired interest? 4
29. What are the major characteristics of trial and error method of learning? 4
30. As a teacher, suggest four activities which can sublimate the self-assertive instinct of your students. 4
31. Suggest four measures for development of healthy personality among children. 4

32. Draw a frequency polygon with the given scores. Use graph paper.

4

Class-interval	f
45 – 49	4
40 – 44	5
35 – 39	8
30 – 34	9
25 – 29	15
20 – 24	16
15 – 19	7
10 – 14	3
5 – 9	2
0 – 4	1

N=70

Answer the following questions (33 to 36) in not more than 100 to 150 words each.

33. What according to Skinner and Stephen is educational psychology? How can the psychological background help the teacher a better insight into the act of education? 1+1+6=8

OR

Write the definitions of two psychologists that favour Psychology as a positive science. Why is psychology regarded as a positive science?

34. What do you understand by adolescence education? Write six educational provisions to be made for adolescence education. 2+6=8

OR

What is childhood stage? Write six general characteristics of childhood stage.

35. Suppose you are a school teacher, suggest eight favourable conditions of learning that would help a student to develop good memory. 8

OR

Supposing you as a school teacher, suggest eight steps you would adopt for helping a child in breaking bad habits.

36. What is intelligence test? Write three merits and demerits of intelligence test.

2+3+3=8

OR

What is personality? Write three characteristics of personality. What are the factors that influence the development of personality ?