

Multiple Choice Question Paper PhD Entrance Examination

Section-II : Research Methodology/Quantitative/Logical Aptitude/ Language Skill

No. Of Questions: 40

1. Fourth step in problem formulation is
 - a) Develop ideas through discussion
 - b) Survey
 - c) Statement of problem
 - d) Enactment

2. Which of the following statement is not true?
 - a) A research proposal is a document that presents a plan for a project
 - b) A research proposal shows that the researcher is capable of successfully conducting the proposed research project
 - c) A research Proposal is an unorganized and unplanned project
 - d) A research proposal is just like a research report and written before the research project

3. Which of the following is not a role of hypothesis?
 - a) Guides the direction of the study
 - b) Determine feasibility of conducting the study
 - c) Identifies relevant and irrelevant facts
 - d) Provides framework for organizing the conclusions

4. When there is a need to apply different data collection methods to different parts of the population, the best sampling method would be
 - a) Double Sampling
 - b) Cluster Sampling
 - c) Stratified Random Sampling
 - d) Systematic Random Sampling

5. What is the main purpose of pilot testing ? Select correct option:
 - a) To accumulate responses
 - b) To identify respondent
 - c) To identify potential problems
 - d) To evaluate the research

6. The research that is based on the naturalism is known as _____
- a) Field Research
 - b) Descriptive Research
 - c) Casual Research
 - d) None
7. Which of the following method is best suited for the study of opinions, attitude and social facts?
- a) Experimental methods
 - b) Survey Methods
 - c) Quasi Experimental Method
 - d) Observation Methods
8. Which of the following type of validity is most desired in psychology tests?
- a) Content Validity
 - b) Predictive Validity
 - c) Construct Validity
 - d) Concurrent Validity
9. Reliability of test refers to
- a) Accuracy
 - b) Utility
 - c) Consistency
 - d) None
10. The government of India conducts census after every 10 years. The methods of research used in this process is
- a) Case Study
 - b) Developmental
 - c) Survey
 - d) Experimental
11. Choose the analogies of **INCUMBENT : OFFICE ::**
- a) Monarch : Throne
 - b) President : Company
 - c) Supervisor : Employee
 - d) Captain : Army
12. Choose the antonym of **INSIDIOUS :**
- a) Cautious
 - b) Treacherous
 - c) Carefree

d) Deceptive

13. Find the odd among the following.

a) 1011

b) 1101

c) 10001

d) 1111

14. A fire in an enclosed space burns with the aid of reflected radiation that preheats the fuel, making ignition much easier and flames spreading more quickly. (Choose the correct option for the underlined words)

a) flames spreading

b) flame spreads

c) flames are caused to spread

d) causing flames to spread

15. $40 \times 64 \div 80 = ?^2 + 7$

a) 5

b) 6

c) 7

d) 4

16. Ratio of speed of boat in downstream and speed of stream is 9:1, if speed of current is 3 km per hr, then find distance travelled(in km) upstream in 5 hours.

a) 105

b) 110

c) 120

d) 90

17. What should come in place of the question mark (?) in following no. series?

5, 3.5, 5, ?, 21.5, 56.75

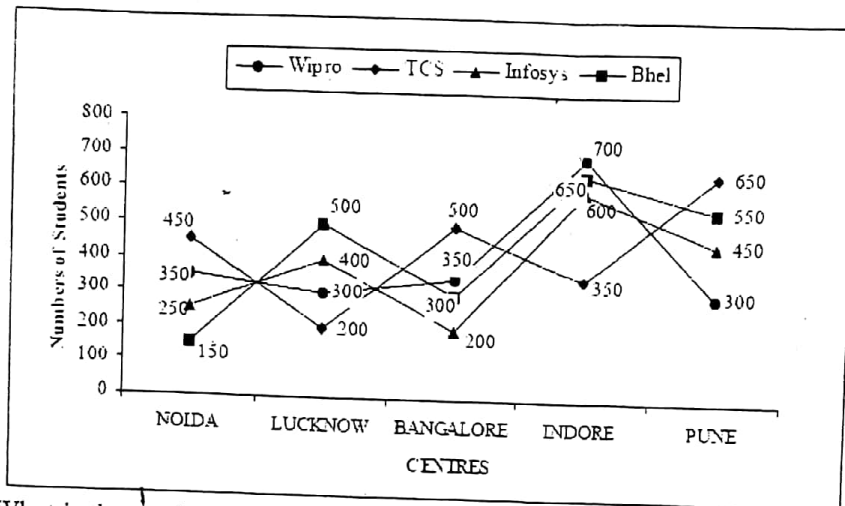
a) 7.5

b) 8.5

c) 9.5

d) 10.5

Directions (18-22): Read the line graph carefully to answer the questions below :



18. What is the total number of students hired by TCS for all centers?
 a) 2150
 b) 2350
 c) 2450
 d) 3000
19. Total no. of students hired by all the companies for Indore center?
 a) 2500
 b) 2400
 c) 2450
 d) 2300
20. What is the difference between total number of students hired by all the companies for Lucknow center and Indore center?
 a) 950
 b) 850
 c) 900
 d) 925
21. What is the average no. of students hired by TCS for all centers taken together?
 a) 530
 b) 630
 c) 430
 d) 420
22. What is the difference between total no. of students hired by all companies for Indore and average no. of students for the same?
 a) 1825
 b) 1925

- c) 1725
- d) 2025

Directions (23-24): Choose the option which gives the meaning of the phrase most appropriately in context of the given sentence.

23. She comes across really well on television.
- a) Discover
 - b) Express
 - c) Behave
 - d) Offers
24. He gave in to my suggestion after I had shown him the plans.
- a) Leave
 - b) Defeated
 - c) Defy
 - d) Agree
25. In the given question, a sentence is divided into five parts, out of which last part is correct. There is an error in three part of the sentence and only one part is correct. You must choose the part as your answer.
- After he had read (A)/ the first two chapters (B)/to the novel, (C)/ he had felt like (D)/reading the book in one sitting. (E)
- a) After he had read
 - b) the first two chapters
 - c) to the novel
 - d) he had felt like
26. The question is based on the following five numbers.
834 427 563 649 975
- If all the digits of numbers are arranged in ascending order within the number, then which of the following is lowest number?
- a) 975
 - b) 649
 - c) 834
 - d) None of these
27. There are five persons i.e. P, Q, R, S and T. If Q is taller than R and S but smaller than T. S is smaller than T, who is not the tallest. Then who is the tallest person among all?
- a) T
 - b) Q
 - c) S
 - d) P
28. How many pairs of letters are there in the word "SENATOR" which has as many letters between them in the word as in alphabetical series?
- a) None
 - b) One

- c) Two
 - d) Three
29. How many letter will be remain at the same position in the word „SURFACE“ when they are arranged in the alphabetical order from left to right?
- a) four
 - b) Three
 - c)One
 - d) Two
30. One card is drawn at random from a pack of 52 cards. What is the probability that the card drawn is a face card (Jack, Queen and King only)?
- a) $\frac{3}{13}$
 - b) $\frac{1}{13}$
 - c) $\frac{7}{52}$
 - d) $\frac{9}{13}$
31. 30% of the men are more than 25 years old and 80% of the men are less than or equal to 50 years old. 20% of all men play football. If 20% of the men above the age of 50 play football, what percentage of the football players are less than or equal to 50 years?
- a) 60 %
 - b) 50%
 - c) 80 %
 - d) 85 %
32. A can contains a mixture of two liquids A and B in the ratio 7:5 when 9 liters of mixture are drawn off and the can is filled with B, the ratio of A and B becomes 7:9. How many liters of liquid A was contained by the can initially?
- a) 28 liters
 - b) 21 liters
 - c) 45 liters
 - d) 36 liters

Directions (34-35):In each of the following sentences, there is a blank space. Below the sentences, there are five options with one word each. Fill up the blanks with the word that makes the sentence grammatically and contextually correct.

33. He had the authority to the documents for his benefit, but he decided not to abuse his power.
- a) Reforming
 - b) Varying
 - c) Modify
 - d) Improved
34. Following his resignation Bishop Belo to Portugal for medical treatment.
- a) travelled
 - b) move
 - c) touring

d) Trek

Directions (36-37): In each of the following questions, a sentence is given in which a word/phrase has been put in **BOLD**. Below the sentence, three words/phrases, (1), (2) & (3) are provided which **MAY OR MAY NOT** replace the part put in **BOLD** to form a grammatically correct sentence having the same meaning. Choose the correct option from the five options containing word(s)/phrase(s) that could replace the **BOLD** word successfully.

35. According to the chief electoral office, Srinagar **witnessed** 0.4 per cent polling in the first two hours. Anantnag and Baramulla saw 1.3 per cent and 9.2 per cent voter turnout.

1. Saw

2. Realised

3. Observed

a) 1 & 2 only

b) 1 & 3 only

c) 1, 2 & 3

d) 1 only

36. Odisha government on Saturday started air-dropping of food packets and other **essential** items in the flood-hit Ganjam district.

1. Important

2. Basic

3. Vital

a) 1, 2 & 3

b) 3 only

c) 1 & 2 only

d) 1 only

Directions (37-38): Choose the word which is most **SIMILAR** in meaning to the word printed in bold below.

37. **FIASCO**

a) Entertaining

b) Debacle

c) Puzzle

d) Easy

38. **FABLE**

a) Story

b) Delicate

c) Small

d) Insufficient

Directions (39-40): In the passage given below there are blanks which are numbered from 39 to 40. They are to be filled with the options given below the passage against

each of the respective numbers. Find out the appropriate word in each case which can most suitably complete the sentence without altering its meaning.

Three polling ____39____, including two presiding officers, in Mizoram's Lunglei district were removed ____40____ their duties after they were allegedly found in an inebriated state, attempting to assault other officials.

39.

- a) booth
- b) Office
- c) Centre
- d) Officials

40.

- a) Of
- b) From
- c) About
- d) Around

Answer key- Multiple Choice Question Paper
PhD Entrance Examination

Section-II : Research Methodology/Quantitative/Logical Aptitude/ Language Skill
No. Of Questions: 40

Answers:-

1	2	3	4	5	6	7	8	9	10
a	c	b	c	c	a	b	c	c	c
11	12	13	14	15	16	17	18	19	20
a	d	d	d	a	a	c	a	d	c
21	22	23	24	25	26	27	28	29	30
c	c	c	d	a	d	d	c	c	a
31	32	33	34	35	36	37	38	39	40
c	b	c	a	b	a	b	a	d	b