

Research Aptitude

1. Ethical norms in research do not involve guidelines for

(a) Thesis format

(b) Copyright

(c) Patenting policy

(d) Data sharing policies

2. Which of the following is an initial mandatory requirement for pursuing research?

(a) Developing a research design

(b) Formulating a research question

(c) Deciding about the data analysis procedure

(d) Formulating a research hypothesis

3. In doing action research what is the usual sequence of steps?

(a) Reflect, observe, plan, act

(b) Plan, act, observe, reflect

(c) Plan, reflect, observe, act

(d) Act, observe, plan, reflect

4. The issue of 'research ethics' may be considered pertinent at which stage of research?

(a) At the stage of problem formulation and its definition

(b) At the stage of defining the population of research

(c) At the stage of data collection and interpretation

(d) At the stage of reporting the findings.

5. In which of the following arrangements a wider spectrum of ideas and issues may be made possible?

- (a) Research Article
- (b) Workshop mode
- (c) Conference**
- (d) Symposium

6. Which of the following is susceptible to the issue of research ethics?

- (a) Inaccurate application of statistical techniques
- (b) Faulty research design
- (c) Choice of sampling techniques
- (d) Reporting of research findings**

7. Prime Minister Research Fellowship is for students pursuing Ph.D programme in

- (a) State and Central Universities
- (b) Central Universities, IISc, IITs, NITs, IISERs and IIITs
- (c) IISc, IITs, NITs, IISERs, IIITs, State and Central Universities
- (d) IITs and IISc**

8. Which of the following is an example of primary data?

- (a) Book
- (b) Journal
- (c) News Paper**
- (d) Census Report

9. Major drawback to researchers in India is

- (a) Lack of sufficient number of Universities
- (b) Lack of sufficient research guides
- (c) Lack of sufficient Fund
- (d) Lack of scientific training in research**

10. ICSSR stands for

- (a) Indian Council for Survey and Research
- (b) Indian Council for strategic Research
- (c) Indian Council for Social Science Research**
- (d) Inter National Council for Social Science Research

11. An Interview in which interviewer encourage the respondent to talk freely about a given topic is

- (a) Focused Interview
- (b) Clinical Interview
- (c) Un Structured Interview
- (d) Structural Interview**

12. from theory leads to Hypothesis

- (a) Deduction
- (b) induction
- (c) Logical deduction**
- (d) Observation

13. A Hypothesis contributes to the development of

- (a) Theory**
- (b) Generalization
- (c) Evolution
- (d) Concept

14. Statistical Hypothesis is derived from

- (a) Frame
- (b) Data**
- (c) Sample
- (d) Facts

15. In a Three year Research Programme time can be devoted for preliminary works

- (a) 20%
- (b) 50%
- (c) 17%**
- (d) 25%

16. Research is

- (a) Searching again and again
- (b) Finding solution to any problem
- (c) Working in a scientific way to search for truth of any problem**
- (d) All of the above

17. Workshops are meant for

- (a) giving lectures
- (b) multiple target groups
- (c) showcase new theories
- (d) hands on training/experience**

18. Which one of the following is a research tool?

- (a) Graph
- (b) Illustration
- (c) Questionnaire**
- (d) Diagram

19. Which of the following is NOT the characteristic of a research?

- (a) Research is systematic
- (b) Research is not a process**
- (c) Research is problem oriented
- (d) Research is not passive

20. Field-work based research is classified as

(a) Empirical

(b) Historical

(c) Experimental

(d) Biographical

English reasoning

21. Had you worked hard, you.....passed?

- (a) would
- (b) will
- (c) would have**
- (d) will have

22. We hope that Papa.....soon

- (a) come
- (b) is coming
- (c) will come**
- (d) shall come

23. Someone.....away my bike within an hour

- (a) takes
- (b) took
- (c) has taken**
- (d) had taken

24. They.....the students on educational tour on next Monday

- (a) were taking
- (b) have taken
- (c) are taking**
- (d) have been taking

25. By July 2005, she.....in this firm for eleven years.

(a) will work

(b) will have been working

(c) will be working

(d) has been working

26. India.....freedom in 1947.

(a) attains

(b) attained

(c) has attained

(d) was attained

27. He.....out for an evening walk after he had taken my dinner

(a) go

(b) went

(c) have gone

(d) will go

28. My sister was in the bathroom when she.....the call-bell

(a) rang

(b) have rang

(c) ring

(d) an ringing

29. Cook settled in the continent of Australia because

(a) he had under taken the task of criminal reforms

(b) he was upset with the apathy of the British Government

(c) the British Government had not taken his suggestion seriously

(d) he wanted to prove his claim of suitability of that part to live in

30. Defer synonym is

- (a) Indifferent
- (b) Defy
- (c) Differ
- (d) Postpone**

31. Relish meaning is

- (a) savor
- (b) vindicate
- (c) avail**
- (d) desire

32. Antonyms of "Fatuous"

- (a) Crafty
- (b) Frugal
- (c) Sensible**
- (d) Inane

33. Health is too important to be.....

- (a) neglected**
- (b) detested
- (c) despised
- (d) discarded

34. Your case is so unique that am not getting any..... to support it.

- (a) reason
- (b) help
- (c) happening
- (d) precedent**

35. You are to choose the correct meaning of the idioms given in bold in the sentences. At a party, he is always in **high spirits**.

(a) talkative

(b) cheerful

(c) drunk

(d) uncontrollable

36. Choose the correct spelling

(a) Paralelled

(b) Parralleled

(c) Paralleled

(d) Parralleled

37. Select the option which contains the correct sentence among four

(a) An one-eyed person was seen roaming about the streets.

(b) A one-eyed person was seen roaming about the streets.

(c) The one-eyed person was seen roaming about the streets.

(d) One-eyed person was seen roaming about the streets.

38. Select the option which contains the correct sentence among four

(a) My sister had left for America last week.

(b) My sister has been left for America last week.

(c) My sister has left America last week.

(d) My sister left for America Last week.

39. I will write a letter to you tentatively _____ the dates of the program

(a) involving

(b) urging

(c) guiding

(d) indicating

40. There are _____ views on the issue of giving bonus to the employees

(a) independent

(b) divergent

(c) modest

(d) adverse

Logical and reasoning

41. Find the correct order in the series QPO, NML, KJI, _____, EDC

- (a) **HGF**
- (b) CAB
- (c) JKM
- (d) GHD

42. Identify the correct answer in DEF, DEF₂, DE₂F₂, _____, D₂E₂F₃

- (a) DEF₃
- (b) D₃EF₃
- (c) D₂E₃F
- (d) **D₂E₂F₂**

43. Which of the following is the correct answer for the pair FISH : SCHOOL

- (a) **wolf : pack**
- (b) cow : farm
- (c) herd: peacock
- (d) elephant: jungle

44. One of the warmest winters on record has put consumers in the mood to spend money. The consumer intend of spending is seen to be the strongest in 13 years. During the month of January, sales of existing single-family homes hit an annual record rate of 5.70 mn. This paragraph best supports the statement that:

- (a) during the winter months, the prices of single-family homes are the lowest.
- (b) **warm winter weather is likely to affect the rate of home sales.**
- (c) consumer spending will be higher thirteen years from now than it is today.
- (d) there were about 5 million homes for sale during the month of January.

45. Mathematics allows us to expand our consciousness and tells us about the growth of populations, economic trends and the patterns of disease. Mathematics is good at exposing the truth, but it can also perpetuate misunderstandings and untruths. Figures have the power to mislead people. This paragraph best supports the statement that:

(a) figures are sometimes used to deceive people.

(b) the study of mathematics is dangerous.

(c) the power of numbers is that they cannot lie.

(d) words are more truthful than figures.

46. If 'air' is called 'green', 'green' is called 'red', 'red' is called 'sea', 'sea' is called 'blue', 'blue' is called 'water' and 'water' is called 'pink', then what is the color of grass?

(a) Green

(b) Air

(c) Red

(d) Pink

47. Choose the word which is least like the other words in the group.

(a) Grenade

(b) Katana

(c) Shotgun

(d) Rifle

48. Choose the word which is not similar to the other words in the group.

(a) Peas

(b) Cabbage

(c) Spinach

(d) Tomato

49. Solve the following question and choose the correct alternative from the following.

- 1, 2, 3, 4, and 5 are sitting in row but not necessarily in that order.
- All of them are sitting in a row with their backs toward North.
- 3 is immediate right to 5 and 4 is immediate left to 1. Only 2 is between 1 and 5.

Which of the following are at the extreme ends?

- (a) 3, 4**
- (b) 2, 5
- (c) 2, 1
- (d) 4, 5

50. Complete the given series by finding the missing term "5, 15, 45, 225, ?"

- (a) 1024
- (b) 1125**
- (c) 1500
- (d) 2250

51. Pointing to an old woman, Aryan said "Her son is my son's uncle."
How is Aryan related to old woman?

- (a) Mother
- (b) Sister
- (c) Son**
- (d) Daughter

52. How many times do the hands of a clock coincide in 24 hours?

- (a) 22**
- (b) 24
- (c) 26
- (d) 28

53. If in a certain language, MORALE is coded as 296137, CHARCOAL is coded as 45164913, how is the word REAL-MOLE coded in that language?

(a) 67193237

(b) 67132937

(c) 67123937

(d) 67172937

54. Choose the odd pair of words

(a) Badger - Cub

(b) Boar - Sow

(c) Beaver - Pup

(d) Hawk – Eyas

55. In the following question, one term in the number series is wrong. Find the wrong term.
3, 2, 8, 12, 13, 24, 18, 32, 23, 42

(a) 12

(b) 13

(c) 18

(d) 24

56. At what angle the hands of a clock are inclined at 40 minutes past 2?

(a) 150°

(b) 160°

(c) 170°

(d) 180°

57. In the following question, choose the correct code form.

If ANY = 40, MANY = 53 then MANIAC = ?

(a) 41

(b) 42

(c) 43

(d) 44

58. In the following question, one term in the number series is wrong. Find the wrong term.

125, 126, 124, 127, 122, 128

(a) 122

(b) 124

(c) 125

(d) 126

59. In the following question, a statement is given followed by some conclusions. Without resolving anything yourself, choose the conclusion which logically follows from the statement(s).

Statement:- Ability is poor man's wealth.

(a) A rich man is always able.

(b) A rich man does not have the ability to earn money.

(c) A poor man is not always able.

(d) A poor man can earn wealth if he has ability.

60. Choose the number which is different from others in the group

(a) 263

(b) 111

(c) 242

(d) 383