

SCERT

Booklet Code

B

S. No.

12166

**For the Post of Lower Division Assistant / Laboratory Assistant /
Library Assistant / Statistical Assistant / Stenographer**

Date of Exam : 07.02.2021

Duration of Test : 90 Minutes

Time : 10.00 am - 11.30 am

Total Marks : 75

INSTRUCTIONS TO THE CANDIDATE

(Read the Instructions carefully before Answering)

1. Do not open the Test Booklet till you are instructed to do so/open.
2. Write your name and Roll No. clearly on the OMR sheet. Put your signature in the OMR sheet at the place provided for.
3. Write the Question Paper Code given on this booklet, on the space provided in the OMR sheet.
4. Check that this booklet contains 16 sheets, including this sheet and 4 blank sheets. The Question Paper contains 11 pages numbered from 3 to 13.
5. Question Paper contains 75 multiple choice questions, each carrying One mark.
6. For each wrong answer 0.25 mark will be deducted.
7. Choose the correct answer from the given options for each question and darken the corresponding circle in the OMR sheet, with **Black/Blue Ball Point Pen** only. **DO NOT USE ANY OTHER SYMBOL (✓ OR ✕) TO MARK YOUR ANSWERS IN THE OMR SHEET.**
8. If you darken more than one option for a question, the answer will not be considered for evaluation.
9. Do not overwrite or use whitener on the OMR sheet.
10. Rough work can be done on the extra blank sheets provided in this booklet.
11. Under no circumstances, you are not allowed to leave the examination hall until the examination is over.
12. At the end of the test, return this test booklet with all pages intact, along with the OMR sheet, to the invigilator. If either of these is not returned, you would not score for this test.
13. Use of any fraudulent means would lead to rejection of your candidature.

Category-I

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Category-I

- Note:** (1) Answer all questions.
(2) Each question carries 1 mark. For each wrong answer 0.25 mark will be deducted.
(3) Answer to the questions must be entered only on OMR Answer Sheet provided by Completely shading the corresponding circle with **Ball Point Pen (Black/Blue) only**. Choose the correct answer.
(4) The OMR Answer Sheet will be invalidated if the circle is shaded using Pencil or if more than one circle is shaded against each question.

1. The largest river (in terms of volume of water it carries) is _____
(a) Nile (b) Mississippi Missouri
(c) Amazon (d) Yangtze
2. The World Environment Day is celebrated throughout the world on _____ every year
(a) May 8 (b) June 5
(c) July 11 (d) August 27
3. FICCI expands to _____
(a) Federation of Indian Companies of Commerce and Instrumentation
(b) Federation of Indian Chambers of Commerce and Industries
(c) Federation of International Chambers of Commerce and Industries
(d) Federation of Indian Conglomerate of Commerce and Industries
4. Decibel is the unit of _____
(a) Frequency (b) Wavelength
(c) Sound (d) Luminous intensity
5. Approximately what portion of the world's population resides in India?
(a) One-third (b) One-fourth
(c) One-fifth (d) One-sixth
6. Governor is appointed by the _____
(a) Prime Minister
(b) President
(c) Chief Justice of India
(d) Chief Justice of the concerned state high court

7. Which of the following personalities was the first to climb Mount Everest twice?
(a) Tenzing Norway (b) Tamba Tsher
(c) Nawang Gombu (d) Phu Dorjee
8. Which year did the Second Round Table conference took place?
(a) 1915 (b) 1922
(c) 1928 (d) 1931
9. Metals which chemically behave both as metals and non-metals is called
(a) Alloys (b) Metalloids
(c) Halogens (d) Chalkogens
10. Which of the following articles of the Constitution deals with a financial emergency?
(a) Article 352 (b) Article 356
(c) Article 360 (d) Article 370

Find the best Analogy









11. CHAIR : TABLE :: _____
(a) Object : Prop (b) Son : Father
(c) Car : Scooter (d) Pen : Paper
12. MEDICINE : DOSE :: _____
(a) Food : Quantity (b) Basket : Waste Paper
(c) Container : Water (d) Fan : Power
13. PHOTOGRAPH : FILM :: _____
(a) Zero : Binary (b) Positive : Negative
(c) Comma : Full stop (d) Light : Prism
14. HARDWARE : SOFTWARE :: _____
(a) Body : Mind (b) Paper : Colour
(c) Fan : Electricity (d) Car : Scooter

Find the Correct Answer

15. A man walks at 5 kmph for 6 hr and at 4 km/h for 12 hr. His average speed is
(a) $4 \frac{1}{3}$ kmph (b) $7 \frac{2}{3}$ kmph
(c) $9 \frac{1}{2}$ kmph (d) 8 kmph









16. A man can cover a distance in 1 hr 24 min by covering $\frac{2}{3}$ of the distance at 4 km/h and the rest at 5 km/h. The total distance is
 (a) 5 km (b) 6 km
 (c) 7 km (d) 8 km
17. The ratio between the speeds of two trains is 7: 8. If the second train runs 440 kms in 4 hours, then the speed of the first train is:
 (a) 47.4 kmph (b) 57.19 kmph
 (c) 68.13 kmph (d) 96.25 kmph
18. A train 140 m long is running at 60 kmph. In how much time will it pass a platform 260 m long?
 (a) 15 Seconds (b) 24 Seconds
 (c) 28 Seconds (d) 30 Seconds

There is some relationship between diagrams A and B. The same relationship persists between C and D. Find the right diagrams for D from the alternatives

19.    
 A B C D
   
 (1) (2) (3) (4)









- (a) 1
(c) 3

- (b) 2
(d) 4

20.    
 A B C D
   
 (1) (2) (3) (4)

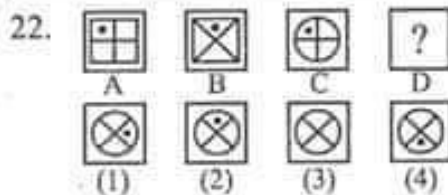
- (a) 1
(c) 3

- (b) 2
(d) 4

21.    
 A B C D
   
 (1) (2) (3) (4)

- (a) 1
(c) 3

- (b) 2
(d) 4



- (a) 1 (b) 2
(c) 3 (d) 4

In each of the following questions, various terms of an alphabet series are given with one or more terms missing as shown by (?). Choose the missing terms out of the given alternatives.

23. AZ, GT, MN, ?, YB

- (a) KF (b) RX
(c) SH (d) TS

24. AZ, CX, FU, ?

- (a) IR (b) IV
(c) JQ (d) KP

25. AZ, BY, CX, ..?

- (a) EF (b) GH
(c) IJ (d) DW

DIRECTIONS: (26-27 Q) Arrange the following words in the logical sequence

26. 1. Gold 2. Iron 3. Sand 4. Platinum 5. Diamond

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

27. 1. Presentation 2. Recommendation 3. Arrival 4. Discussion 5. Introduction

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

DIRECTIONS: (28-29 Q) In each of the following questions, find out the alternatives which will replace the question mark

28. NOTE : RSXI :: RISK : ?

- (a) VMXP (b) VMWO
(c) VJMP (d) VMWP

29. JOCK:QLXP::HEAT:?
- (a) OBTX (b) SVZQ
(c) PHWY (d) SVYF
30. Pointing to a photograph a man said, "I have no brother or sister but that man's father is my father's son". Whose photograph was it?
- (a) His son's (b) His own
(c) His father's (d) His nephew's
31. Pointing to a photograph a lady tells Mohan, "I am the only daughter of this lady and her son is your maternal uncle." How is the speaker related to Mohan's father?
- (a) Wife (b) Sister-in-law
(c) Either of the two (d) Neither of the two
32. If 'DEAR' is coded as 'FGCT' then how will 'READ' be coded as?
- (a) TGCF (b) FGCF
(c) TSFC (d) TCGF

DIRECTIONS: (33-34 Q) For the Assertion (A) and Reason (R) below, choose the correct alternative.

33. Assertion (A) : The leaves of plants are green.
Reason (R) : Plants contain chromoplasts, the green pigment.
- (a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true and but R is NOT the correct explanation of A
(c) A is true but R is false
(d) A is false but R is true
34. Assertion (A) : When common salt is kept open, it absorbs moisture from the air.
Reason (R) : Common salt contains magnesium chloride.
- (a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true and but R is NOT the correct explanation of A
(c) A is true but R is false
(d) A is false but R is true

40. STATEMENT: Adversity makes a man wise.

CONCLUSIONS:

- I. The poor are wise.
II. Man learns from better experience
(a) Only conclusion I is right (b) Only conclusion II is right
(c) Both conclusions I and II are wrong (d) Both conclusions I and II are right

Complete the phrase by choosing the appropriate options from the given a, b, c and d

41. Nutty as _____.

- (a) my brief way (b) a wink
(c) cheese bowl (d) a fruit cake

42. Drop the _____.

- (a) the cap fits (b) other shoe
(c) other box (d) all the right

43. Bang to _____.

- (a) rites (b) write
(c) rights (d) right

44. Take the _____.

- (a) bag (b) gift
(c) plunge (d) cream

45. A wolf in _____.

- (a) touch wood (b) wobbling deer
(c) tiger's prey (d) sheep's clothing

46. In the word "Piglet" the suffix 'let' means _____.

- (a) permit (b) little
(c) many (d) allow

47. In the word 'Brownish' the suffix 'ish' means _____.
(a) fairly (b) rather
(c) resemble (d) only (a), (b)
48. In the word 'endanger' the prefix 'en' means _____.
(a) in (b) to
(c) into (d) on
49. In the word 'Contradict' the prefix 'contra' means _____.
(a) abide (b) along
(c) again (d) against
50. In the word 'antecedent' the prefix 'ante' means _____.
(a) became (b) behind
(c) before (d) after

DIRECTIONS: Identify the words with their parts of speech.

51. Discourtesy
(a) Adverb (b) Verb
(c) Noun (d) Adjective
52. Lynching
(a) Pronoun (b) Conjunction
(c) Noun (d) Verb
53. Noted
(a) Adverb (b) Adjective
(c) Verb (d) Preposition
54. Pronounce
(a) Noun (b) Pronoun
(c) Verb (d) Conjunction

55. Within
(a) Adjective and Preposition (b) Adjective and Conjunction
(c) Noun and Verb (d) Noun and Preposition
56. Ago
(a) Adverb (b) Adjective
(c) Noun (d) Conjunction
57. Piecemeal
(a) Conjunction (b) Preposition
(c) Adverb (d) Noun
58. Over
(a) Simple preposition (b) Compound preposition
(c) Double preposition (d) Participle preposition
59. And
(a) Cumulative Conjunction (b) Adversative Conjunction
(c) Coordinate Conjunction (d) Alternative Conjunction
60. The
(a) Preposition (b) Verb
(c) Adjective (d) Adverb
61. Which SQL keyword is used to sort the result-set?
(a) ORDER (b) SORT
(c) ORDER BY (d) SORT BY
62. _____ is a simple object model that is easier to understand and use than OLE DB and is frequently used for database applications.
(a) ASP (b) XML
(c) ODBC (d) ADO

63. The ODBC core API consists of which of the following functions?
- (a) Commit or rollback transactions only
 - (b) Connect to data sources only
 - (c) Connect to data sources with driver-specific information only
 - (d) Both (a) and (c) above are in the ODBC core API
64. When three or more AND and OR conditions are combined, it is easier to use the SQL keyword(s):
- (a) IN only
 - (b) Both IN and NOT IN
 - (c) NOT IN only
 - (d) LIKE only
65. Which protocol provides e-mail facility among different hosts?
- (a) Telnet
 - (b) FTP
 - (c) SMPS
 - (d) SMTP
66. Who invented the microprocessor?
- (a) Joseph Jacquard
 - (b) Marcian E Hoff
 - (c) Herman H Goldstein
 - (d) Steve Jobs
67. A method for representing digital data analog signals by changing the phase of the analog carrier to represent the digital information is known as:
- (a) PIA
 - (b) PSK
 - (c) PSM
 - (d) PMM
68. Conversion of an octal number 738 to binary number is:
- (a) 110111_2
 - (b) 111100_2
 - (c) 110010_2
 - (d) 111011_2
69. Who developed a mechanical device in the 17th century that could add, subtract, multiply, divide and find square roots?
- (a) Napier
 - (b) Baggage
 - (c) Leibnitz
 - (d) Pascal

70. Which of the following can store information in the form of microscopic pits on metal disks?
- (a) Tape cassettes (b) RAM cartridge
(c) None of the above (d) Laser disks
71. What does a switch do when a frame is received on an interface and the destination hardware address is unknown or not in the filter table?
- (a) Sends back a message to the originating station asking for a name resolution
(b) Floods the network with the frame looking for the device
(c) Drops the Frame
(d) Forwards the switch to the first available link
72. SPSS stands for:
- (a) Statistical Package for Systems Science
(b) Systems Package for Social Science
(c) Statistical Package for Social Science
(d) All of these
73. The purpose of an application program is to:
- (a) Allow the operating system to control resources better
(b) Make off-line equipment run better
(c) Convert program written in high level language to machine language
(d) Meet specific user needs
74. An OR gate can be imagined as
- (a) Switches connected in series (b) Switches connected in parallel
(c) MOS transistors connected in series (d) None of the above
75. Which Operator performs Pattern Matching?
- (a) LIKE operator (b) BETWEEN operator
(c) EXISTS operator (d) SIMILAR operator

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