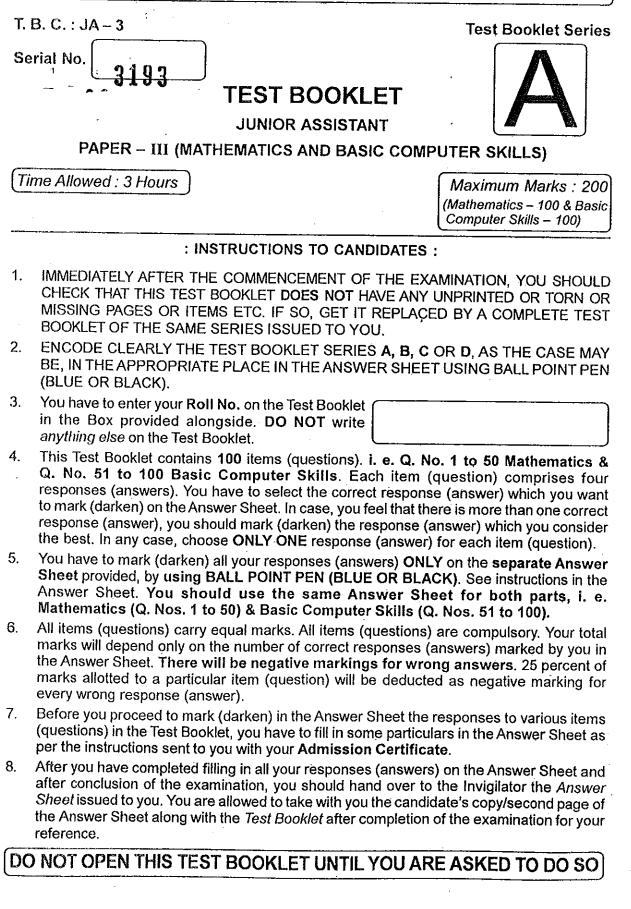
DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO



MATHEMATICS

- 1. The cube root of 0.000216 is :
 - (A) ∙6
 - (B) 06
 - (C) 7
 - : **(D)** →87
- 2. $\cdot 0169 \times ? = (1, 3)^2$:
 - (A) 100
 - (B) 10
 - (C) 1000
 - (D) None of these

3. If
$$\sqrt{1 + \frac{x}{144}} = \frac{15}{13}$$
 then value of x is :

- (A) 47
- (B) 48.2
- (C) 47.72
- (D) 46.22
- 4. If $x = \frac{\sqrt{3} + 1}{\sqrt{3} 1}$ and $y = \frac{\sqrt{3} 1}{\sqrt{3} + 1}$ then the value of $x^2 y^2$ is :
 - (A) 10 √3
 - (B) 8√<u>3</u>
 - (C) 14
 - (D) 12

 A fruit seller had some apples. He sells 40% apples and still had 420 apples. So originally he had :

- (A) 588 apples
- (B) 600 apples

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- (C) 672 apples
- (D) 700 apples
- 6. Rajeev buys goods worth ₹ 6650 and
 he gets a rebate of 6% on it. After getting rebate he pays sales tax @
 10%. Find the amount he will have to pay for goods :
 - (A) ₹6878.10
 - (B) ₹6999.20
 - (C) ₹6654
 - (D) ₹7000
- 7. If A earns 25% more than B, what percent less does B earn than A?
 - · (A) 10%
 - (B) 20%
 - (C) 25%
 - (D) 30%
- The population of a town increased from 1,75,000 to 2,62,000 in a decade. The average percent increases of population per year is :
 - (A) 6%
 - (B) 5%
 - (C) 4.37%
 - (D) 8.75%

- 9. In the first 10 overs of a cricket game the run rate was 3.2. What should be the run rate in the remaining 40 overs to reach the target of 280 runs ?
 - (A) 6.2
 - (B) 6.25
 - (C) 7
 - (D) 7.25
- 10. The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 Kg. Find the average weight of all the boys in the class :
 - (A) 48.55
 - (B) 47.25
 - (C) 48
 - (D) 49.55
- 11. The average of 100 numbers is 44. The average of these 100 numbers and 4 other new numbers is 50. What is the average of the 4 new numbers ?
 - (A) 800
 - (C) 200

(B)

176

(D) 24

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- 12. The average of two numbers A and B is 20, that of B and C is 19 and of C and A is 21. Find the value of A :
 - (A) 20[°](B) 22[°]
 - (C) 24
 - (D) 18
- A person borrows ₹ 500 for 1¹/₂ years at 2 paise simple interest per month. Find the interest he has to pay :
 - (A) ₹210
 - (B) ₹180
 - (C) ₹232
 - (D) ₹184.50
- 14. If a sum of money at simple interest doubles in 12 years find the rate of interest per annum :

(A) $8\frac{1}{3}\%$ (B) $16\frac{2}{3}\%$ (C) 7.5%

(D) 10%

(3)

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- 15. Find the compound interest for 3 years when the principal is ₹ 800 and rate of interest is 5% :
 - (A) ₹962.20
 - (B) ₹926.10
 - (C) ₹900
 - (D) ₹856.50
- 16. A car costs ₹ 16,000. When it is used by the owner its price decreases at the rate of 5% per year. What will be its price after 3 years ?
 - (A) ₹1400
 - (B) ₹13718
 - (C) ₹15615
 - (D) ₹15000
- 17. Find the Tax payable when Taxable income is ₹ 6900 and savings under Section 88 is ₹ 6500. [From 6,000 to 1,50,000, Tax is 1,000 + 20%] & 2% surcharge of I. Tax shall be levied.
 - (A) ₹1,530
 - (B) ₹1,500
 - (C) ₹1,260
 - (D) ₹1,560
- LR 2A/22

- 18. Manas bought a watch costing
 ₹ 1,650. If the amount includes 10%
 Sale Tax on the list price, find the list
 price of the watch :
 - (A) ₹1,550
 - (B) ₹1,650
 - (C) ₹1,600
 - (D) ₹1,500
- 19. A company with 10,000 shares of nominal value ₹ 100 declares an annual dividend of 8% to the share holders. Find the amount of dividend paid by the company :
 - (A) ₹80,000
 - (B) ₹88,800
 - (C) ₹88,000
 - (D) ₹80,800
- 20. How much should a man invest in
 ₹ 10 shares selling in ₹ 13 each to obtain an income of ₹ 150 if the dividend declared by the company is 15% ?
 - (A) ₹1,000
 - (B) ₹1,300
 - (C) ₹1,500
 - ·(D) ₹1,530

 $(4)^{2}$

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(A). 11%

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- (B) 20%
- (C) 15%
- (D) 12%

22. If a man was to sell his chair for
₹ 720, he would lose 25%. To gain
25% he should sell it for :

- (A) ₹1,000
- (B) ₹1,200
- (C) ₹1,960
- (D) ₹1,900
- 23. The listed price of a shirt is ₹ 270 and it is available at ₹ 237.60. Find the rate of discount :
 - (A) 10%
 - (B) 12%
 - (C) 14%
 - (D) 16%
- 24. Find the discount equivalent to successive discounts of 20% and 10% :
 - (A) 25%

(B) 27%

(C) 28%

(D) 17%

25. Find the mean of the following data:

10, 15, 12, 16, 15, 10, 14, 15, 12, 10

Start Barriel

- (A) 15
- (B) 12.9

(C) 11.8

(D) 13

26. Find the median of the first five odd integers :

(A) 5

- (B) 3
- (C) 4
- (D) 6
- 27. The mean of five data is 10. If a new variate is included then the mean becomes 11. Find the sixth data:
 - <u>(</u>A) 16

11

(C) 18

(B)

(5)

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(D) 14

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7, 7, 10, 6, 7, 9, 8, 7, 6, 7, 8, 9, 6, 6, 7, 6, 7, 7, 8 (A) 6

- (B) 7
- (C) 8
- (D) 9

29. A can do a work in 15 days and B in
20 days. If they work on it together
for 4 days then the fraction of the work
that is left is :

(A) $\frac{1}{4}$ (B) $\frac{7}{15}$ (C) $\frac{8}{15}$ (D) $\frac{1}{10}$

30. 4 men and 6 women can complete a work in 8 days while 3 men and 7 women can complete the same in 10 days. In how many days will 10 women complete the work ?

- (A) 35
- (B) 40

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(C) 45

(D) 50

- 31. P works twice as fast as Q. If Q alone can complete the work in 12 days,
 the number of days in which both P and Q can together finish is :
 - (A) 4
 - **(**B**)** 6
 - (C) 8
 - (D) 18
- 32. Reena can do a piece of work in 20 days and Meena is 25% more efficient than Reena. The number of days taken by Meena to do the same piece of work is :
 - (A) 15
 - **(B)** 16
 - (C) 25
 - (D) 18
- 33. A man on tour travels first 160 km at
 64 kmph and the next 160 km, at
 80 kmph. The average speed of the
 1st 320 km of the tour is :
 - (A) 35.55 kmph
 - (B) 71.11 kmph
 - (C) 71 kmph
 - (D) 36 kmph

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- 34. A car travelling with $\frac{5}{7}$ of its actual speed covers 42 km in 1 hour 40 min 48 sec. Find the actual speed of the car :
 - (A) 35 kmph
 - (B) 45 kmph
 - (C) 53 kmph
 - (D) 55 kmph
- 35. Buses start from a Bus Terminal with a speed of 20 kmph at 10 mins. interval. What is the speed of a man coming from opposite direction towards the Bus Terminal if he meets the Buses at an interval of 8 minutes ?
 - (A) 3 kmph
 - (B) 4 kmph
 - (C) 5 kmph
 - (D) 6 kmph
- 36. Two men start together from the same place in the same direction to go round a circular path. If one takes 10 mins and the other takes 15 mins to make one complete round, they will meet after :
 - (A) 40 mins
 - (B) 30 mins

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- (C) 45 mins
- (D) 33 mins
- 37. If the work done by (x 1) men in (x + 1) days are in the ratio 5 : 6 to the work done by (x + 1) man in (x + 2) days then find x :
 - (A) 15
 - (B) 16
 - (C) 14
 - (D) 17,
- 38. The monthly salaries of two persons are in the ratio 3 : 5. If each receives an increase of ₹ 20 in salary, the ratio changes to 13 : 21. Find their salaries :
 - (A) ₹240 & ₹400
 - (B) ₹200 & ₹440
 - (C) ₹240 & ₹320
 - (D) None of these
- 39. What should be added to each term of the ratio 7 : 13 so that the ratio becomes 2 : 3 ?
 - (A) 15(B) 5(C) 3
 - (D) 8

(7)

(Turn over)

40.	Find	the	number	which	bears

the :	same ratio to $\frac{8}{55}$ that $\frac{7}{9}$ does	
to $\frac{2}{3}$	3 :	
(A)	28 15	•
(B)	<u>18</u> 25	
(C)	<u>13</u> 27	
(D)	25 28	

- 41. In what ratio must water be mixed with milk to gain 20% by selling the mixture at cost price ?
 - (A) 1:5
 - (B) 5:6
 - (C) 2:3
 - (D) 1:6
- 42. In what ratio must rice at
 ₹ 9.30 per kg be mixed with rice at
 ₹ 10.80 per kg so that the mixture be worth ₹ 10 per kg ?
 - (A) 5:7
 - (B) 8:7
 - (C) 3:7
 - (D) 2:5

- 43. In what ratio must a grocer mix two varieties of tea worth ₹ 60 per kg and ₹ 65 per kg so that selling of mixture at ₹ 68.20 per kg he may gain 10% ?
 - (A) 3:2
 - (B) 3:4
 - (C) 3:5
 - (D) 4:5
- 44. A dishonest milkman professes to sell his milk at cost price but he mixes it with water and thereby gains 25%.
 The percentage of water in the mixture is :
 - (A) 4%
 - (B) $6\frac{1}{4}\%$
 - (C) 20%
 - (D) 25%
- 45. A, B and C started a business by investing ₹ 1,20,000, ₹ 1,35,000 and
 ₹ 1,50,000 respectively. Find the share of A out of an annual profit of ₹ 56,700 :
 - (A) ₹18,000
 - (B) ₹16,800
 - (C) ₹18,900
 - (D) ₹17,600

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46. Kamal started a business by investing ₹ 50,000. After 6 months Nanda joined him with a capital of ₹ 80,000. After 3 years they earned a profit of ₹ 24,500. Find Kamal's share in the profit :

(A) ₹9,423

- (B) ₹10,500
- (C) ₹12,500
- (D) ₹14,000

47. A, B, C hired a car for ₹ 520 and used
it for 7, 8 and 9 hours respectively.
Hire charges paid by B were :

- (A) ₹140
- (B) ₹160
- (C) ₹180
- (D) ₹220
- 48. Deepak , Anand and Simran entered
 in partnership. Deepak invests
 3 times what Anand invests and
 Anand invests ²/₃rd of what Simran

invests. At the end of the year the profit earned is ₹ 6,600. Find the share of Anand :

- (A) ₹1,600
- (B) ₹1,200
- (C) ₹1,400
- (D) ₹1,000
- 49. An aeroplane flies along the four sides of a square field at the speed of 200, 400, 600 and 800 kmph. Find the average speed of the plane round the field :
 - (A) 278 kmph
 - (B) 365 kmph
 - (C) 384 kmph
 - (D) 247 kmph
- 50. A boat goes 7 km upstream in 42 mins. and the speed of the stream is 3 km ph. Find the speed of the boat in still water :
 - (A) 4.2 kmph
 - (B) 9 kmph
 - (C) 13 kmph
 - (D) 21 kmph

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BASIC COMPUTER SKILLS

- 51. An icon represents :
 - (A) A Program
 - (B) A file
 - (C) Both (A) and (B)
 - (D) None of the above
- 52. To close a window press :
 - (A) Ctrl + W
 - (B) Ctrl + F4
 - (C) Alt + C
 - (D) Alt + F4
- 53. A ______is a window component that is designed to store other components so that these can be organized efficiently.
 - (A) Document
 - (B) Window
 - (C) Folder
 - (D) All of the above

54. _____are the list of commands that appear on screen.

- (A) Windows
- (B) GUIS
- (C) Icons
- (D) Menus
- 55. To change the way items are displayed in windows, we should use:
 - (A) View menu
 - (B) Control menu

- (C) Mouse
- (D) All of the above
- 56. How many columns of items does a classic start menu contain?
 - (A) 1
 - (B) 2
 - (C) 3
 - (D) Can't be determined
- 57. _____ is used to display the system menu for the active window.
 - (A) Shift + F10
 - (B) Ctrl + tab
 - (C) Alt + esc
 - (D) Alt + spacebar
- 58. What is the shortcut key to open my

computer?

- (A) Windows + E
- (B) Windows + F
- (C) Windows + F1
- (D) Windows + A
- 59. The screen saver automatically starts when the computer is idle for the number of minutes specified
 - in _____
 - (A) Time
 - (B) Wait
 - (C) Display
 - (D) None of these

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- 60. The bottom bar of the windows is known as :
 - (A) Task bar
 - (B) Menubar
 - (C) Click bar
 - (D) Title bar
- 61. You can't close MS Word by :
 - (A) Choosing file menu then exit submenu
 - (B) Press Alt + F4
 - (C) Click X button on title bar
 - (D) From file menu choose close submenu
- 62. What is the shortcut key to open the OPEN dialogue box in MS Word?
 - (A) F12
 - (B) Alt + F12
 - (C) Ctrl + F12
 - (D) Shift + F12
- 63. Which files starts MS Word?
 - (A) Winword.exe
 - (B) Word.exe
 - (C) Msword.exe
 - (D) Word2003.exe
- 64. Background color or effects applied on a document in MS Word is not visible in :
 - (A) Web layout view
 - (B) Print layout view
- LR 2A/22

- (C) Reading view
- (D) Print preview
- 65. Pressing F8 key 5 times in MS Word selects :
 - (A) A word
 - (B) A sentence
 - (C) A paragraph
 - (D) Entire document
- 66. What is the shortcut key you can press to create a copyright symbol in MS Word ?
 - (A) Alt + Ctrl + C
 - (B) Alt + C
 - (C) Ctrl + C
 - (D) Ctrl + Shift + C
- 67. Which of the following function key activates the speller in MS Word ?
 - (A) F5
 - (B) F7
 - (C) F9
 - (D) Shift + F7
- 68. What is the maximum number of columns that can be made in a MS Word document?
 - (A) · 6 (B) 10
- (C) 12 (D) 16
 - 16

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(Turn over)

(11)

- (A) Page orientation
- (B) Paper size
- (C) Page display
- (D) All of the above
- 70. The Ctrl + H command in MS Word is used to :
 - (A) Hide data
 - (B) Find and replace
 - (C) Save
 - (D) Copy
- 71. Which is the shortcut key to insert a new slide in current presentation?
 - (A) Ctrl + N
 - (B) Ctrl + M
 - (C) Ctrl + S
 - (D) All of the above
- 72. From which menu you can access picture, text box and chart in PowerPoint:
 - (A) File
 - (B) Edit
 - (C) Insert
 - (D) View
- 73. Which of the following font effects are not available in PowerPoint font dialogue box?
 - (A) Underline
 - (B) Shadow
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- (C) Emboss
- (D) Strikethrough
- 74. The effect applied to display when slides change in slide show view is :
 - (A) Slide animation
 - (B) Custom animation
 - (C) Custom transition
 - (D) Slide transition
- 75. To start slide show of a presentation :
 - (A) Hit F5 key
 - (B) From slide show menu choose view show option
 - (C) From slide show menu choose rehearse timing
 - (D) Both (A) and (B)
- 76. Which tab is not available on left panel when you open a presentation?
 - (A) Outline
 - (B) Slides
 - (C) Notes

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- (D) Both (A) and (B)
- 77. In order to edit a chart, you can :
 - (A) Triple click the chart object
 - (B) Click and drag the chart object
 - (C) Double click the chart object
 - (D) Click the chart object

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- (A) Click the application minimize button
- (B) Click the document close button
- (C) Double click the application control menu icon
- (D) Double click the document control menu icon
- 79. How can you create a uniform appearance by adding a background image to all slides ?
 - (A) Create a template
 - (B) Edit the slide master
 - (C) Use the autocorrect wizard
 - (D) All of the above
- 80. In Microsoft PowerPoint in order to see all the slides on one screen use:
 - (A) View, slide sorter
 - (B) View, slide
 - (C) View, master
 - (D) View, slide show
- 81. Which of the following keyboard shoutcut can be used for creating a chart from the selected cells ?
 - (A) F11
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- (B) F10
- (C) F4
- (D) F2
- 82. Which of the following is not associated with spelling dialogue box in MS Excel?
 - (A) Edit
 - (B) Ignore
 - (C) Ignore all
 - (D) Change
- 83. What term describes a background that appears as a gradual change of colors in a chart in MS Excel ?
 - (A) Pattern
 - (B) Gradient
 - (C) Texture
 - (D) Velvet
- 84. When you copy a formula :
 - (A) Excel erases the original copy of the formula
 - (B) Excel edits cell references in the newly copied formula
 - (C) Excel adjusts absolute cell references
 - (D) Excel doesn't adjust relative cell references

(Turn over)

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- 85. What function displays row data in a column or column data in a row?
 - (A) Transpose
 - (B) Index
 - (C) Rows
 - (D) Hyperlinks
- 86. Except which of the following functions, a formulae with a logical function shows the word TRUE and FALSE as a result :
 - (A) NOT
 - (B) OR
 - (C) IF
 - (D) AND
- In MS Excel a typical worksheet by default has _____ number of columns.
 - (A) 128
 - (B) 256
 - (C) 512
 - (D) 1024
- 88. What is the shortcut key to insert a new comment in a cell?

(14)

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- (A) F2
- (B) Alt + F2
- (C) Ctrl + F2
- (D) Shift + F2

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What is the shortcut key to insert new 89. sheet in current workbook? (A) F11 **(B)** Alt + F11 Ctrl + F11 (C) Shift + F11 (D) What will be the result if you 90. type = A1 = B1 in cell C1? Yes or No (A) True or False (B) Value of A1 (C) Value of B1 (D) Microsoft access is a : 91. RDBMS (A) OODBMS (B) (C) ORDBMS Network database model (D) A database language concerned with 92. the definition of the whole database structure and schema is : (A) DDL **(B)** DML DCM[®] (C) (D)All of the above

93.	Which of the following is not a type of Microsoft access database object?				
	(A)	Table			
	(B)	Form			
	(C)	Worksheet			
	(D)	Modules			
94.	What is the maximum length a tex				
	field can be ?				
	(A)	75			
	(B)	64			
	(C)	254			
	(D)	255			
95.	Which field type is used to store				
	pictures in a table ?				
	(A)	Memo			
	(B)	OLE			
	(C)	Hyperlink			
	(D)	None of the above			
96.	A query prompts a user for a data				
	and then displays only records that				
	contain the specified data. Which				
	type of query is this ?				
	(A)	A parameter query			
	(B)	A crosstab query			
	(C)	An update query			
•	(D)	An action query			

97. A query summarizes information in a grid organized by regions and months. Which type of query is this?

(A) An update query

- (B) A parameter query
- (C) An action query
- (D) A crosstab query
- 98. In MS Access press Ctrl + O to :
 - (A) Open a new database
 - Open an existing database (B)
 - (C) Exit MS access
 - None of these (D)
- 99. In Ms Access LOOKUP WIZARD is used to:
 - (A) To select from previous values
 - To select values from excel (B) sheets
 - (C) To select values from another table
 - Not a valid data type (D)
- 100. In MS access auto number data type :
 - Can be sequential (A)
 - (B) Can be random
 - Can be edited (C)
 - Only (A) and (B) (D)

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12 Jack

SPACE FOR ROUGH WORK

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