

Booklet Series

B

Booklet Code

CSRE-22/II

Paper Code

02

No. of Printed Pages : 16

Serial Number of the
Test Booklet

203570



Name of the Examination :

CSRE 2022

Roll No. : _____

Name of the Candidate : _____

Test Duration : 3 Hours

Total Questions : 100

Total Maximum Marks : 200

INSTRUCTIONS TO CANDIDATES

1. Candidates will be admitted to the Examination Hall/Room on production of their Admit Card and Original ID such as EPIC/Aadhaar/Driving License with a view to establish the true identity of the candidate.
2. Candidates shall reach the venue of examination at least 30 minutes in advance and admission will be refused to a candidate who is late by 10 minutes from the start of the examination.
3. No candidate shall be permitted to leave the Examination Hall/Room until the time for the examination is over or until permitted to do so but not until the half of the allotted time.
4. Candidates must use a **BLUE/BLACK** ball point pen **ONLY** to make entries on the OMR Answer Sheet.
5. The candidates should not bring any articles (other than those specified above) such as books, notes, loose sheets, mobile phones, pagers, digital diaries, calculators, smart watches, etc. inside the Examination Hall/Room. Any candidate found in possession of the said articles will be liable to be de-barred from applying all future examinations to be conducted by the Board.
6. After receiving the Test Booklet with OMR inserted, the candidates may pull out the OMR Answer Sheet and fill in the necessary details. However the candidates are not allowed to break open the seal of the Test Booklet until the invigilator informs them to do so.
7. Mark carefully your Roll Number, Paper Code, Booklet Code and Booklet Series on the OMR Answer Sheet and signature at the appropriate place. Write your Roll Number and Name on the Question Booklet. In the absence of the Roll Number, Question Booklet Number and Question Booklet Series on the OMR Answer Sheet, it may NOT be evaluated and it may be cancelled.
8. The entire Test is of Objective Type Questions comprising 100 questions.
9. Candidates must check that the Question Booklet contains 100 multiple choice questions. If any discrepancy found, report to the invigilator immediately.
10. Candidates will also keep in mind that there is negative marking for (-0.33%) every wrong answer i.e 0.66 marks.
11. Rough work may be done on the space provided in this Question Booklet, but not on the OMR Answer Sheet.
12. In the event of a mistake made in marking the Roll Number in the OMR Answer Sheet or the OMR Series the candidates will not be given a new OMR Answer Sheet but he/she will be allowed to use whitener or correcting fluid for correction of the Roll Number and the Booklet Series only.
13. **Change of answer will not be permitted in the OMR Answer Sheet. Using of correcting fluid (of any sort) will be treated as wrong attracting negative marking.**
14. The candidates must abide by such instructions as may be specified on the cover of the Answer Paper or instructions to candidates given at the back of the Admit Card. If a candidate fails to do so or indulges in improper conduct, he/she will render himself/herself liable to expulsion from the examination or such other punishment as the Board deemed fit to impose.
15. At the end of the Test, candidates must submit the OMR Answer Sheet to the invigilator on duty. Candidates shall be allowed to take their Question Booklet only after the end of the examination session.
16. Any candidate found to be intoxicated with alcohol and/or psychotropic substances will be expelled from the Examination Hall/Room.
17. Examination centre once opted cannot be changed.

PLEASE REFER THE BACKSIDE OF THE QUESTION BOOKLET FOR MORE INSTRUCTIONS.

SEAL

1. In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together ?
 (A) 120 (B) 720
 (C) 360 (D) 460
2. From the given option, what should come in place of question mark (?) in the following series.
 bce, cdf, deg, efh, '?'.
 (A) def (B) efg
 (C) fgi (D) fhi
3. Which one of the following shortcut keys to create a new folder in the windows operating system ?
 (A) CTRL+N
 (B) CTRL+E
 (C) CTRL+SHIFT+N
 (D) CTRL+D
4. A smaller triangle is having three sides. Another big triangle is having sides exactly double the sides of the smaller triangle. Then what is the ratio of Area of Smaller triangle to Area of the bigger triangle ?
 (A) 1 : 5 (B) 3 : 2
 (C) 2 : 3 (D) 1 : 4
5. _____ is a device that uses magnetic field to read input characters.
 (A) SFTP (B) MICR
 (C) OTP (D) DTP
6. By _____ key you can capture screen of current desktop.
 (A) Shift+Ctrl (B) Ctrl+V
 (C) Shift+Ctrl+W (D) Printscreen
7. Two tailors X and Y are paid a total of ₹ 550 per week by their employer. If X is paid 120 percent of the sum paid to Y, how much is Y paid per week ?
 (A) 250 (B) 450
 (C) 225 (D) 365
8. CAD stands for :
 (A) Computer Animated Design
 (B) Complete Algorithm Debugger
 (C) Computer Aided Design
 (D) Complex Auxiliary Design
9. How many such consonants are there in the following arrangement each of which immediately preceded by a numerical ?
 S 7 4 A G H K # 5 Q R % 2 3 D F * L M 6 B E 8 @ I \$ P V 8
 (A) One (B) Two
 (C) Three (D) Four
10. Which of the following is/are video conferencing Software(s) ?
 (A) Skype (B) GoToMeeting
 (C) Zoom (D) All of these

11. In Excel, tiny charts placed in single cells are called :
- (A) Spark Lines (B) Pivot Tables
(C) Slicer (D) Data Tray
12. Anil buys a calculator for ₹ 600 and sells it to Vikash at 10% profit. Vikash sells it to Chandan for 5% profit. Chandan after using it for certain time, sells it to Dinesh at a loss of 20%. For how much Chandan sell the calculator to Dinesh.
- (A) 600.2 (B) 344.5
(C) 554.4 (D) 924
13. Which of these keys combination in Windows Operating System is used as a shortcut for 'Print' ?
- (A) Ctrl + P (B) Alt + Z
(C) Shift + Q (D) F1 + W
14. Complete the below given series from the following given alternatives :
- P5QR, P4QS, P3QT, _____, P1QV
- (A) P2QU (B) P2QW
(C) P2QZ (D) PQ2U
15. **Direction :** In the question given below, two signs in equation have been interchanged. Find out these two signs to make the equation correct using (BODMAS).
- $$3 \div 5 \times 8 + 2 - 10 = 13$$
- (A) + and - (B) \times and \div
(C) \div and - (D) \div and +
16. How long will a boy take to run round a square field of side 35 meters, If he runs at the rate of 9 km/hr ?
- (A) 59 sec. (B) 36 sec.
(C) 48 sec. (D) 56 sec.
17. Arrange the given English words in alphabetical order.
- (1) Jacana (2) Jacinth
(3) Jacal (4) Jacks
(5) Jacamar
- (A) (3), (4), (2), (5), (1)
(B) (3), (5), (1), (2), (4)
(C) (3), (4), (5), (1), (2)
(D) (3), (5), (4), (2), (1)
18. How many 7's are present in the following sequence of numbers which are both preceded and followed by perfect square numbers ?
- 4 2 3 7 9 7 4 3 6 9 7 2 1 7 4 9 5 2 5 4
7 9 5 2 9 7 1 4 7 2
- (A) 1 (B) 3
(C) 4 (D) 7
19. $54.327 \times 357.2 \times 0.0057$ is same as which of the following given options ?
- (A) $5.4327 \times 3.572 \times 157.894$
(B) $5.4327 \times 3.572 \times 0.57$
(C) $5.4327 \times 3.572 \times 5.7$
(D) None of these

20. A man has ₹ 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?
- (A) 60 (B) 270
(C) 90 (D) 120
21. Full form of ASCII in which of the following is :
- (A) All Scientific Code for Information Interchange
(B) Altruistic Scientific Code for Information Interchange
(C) American Standard Code for Information Interchange
(D) American Scientific Code for Interchange of Information
22. In order to check spelling of a text in Microsoft PowerPoint, we press _____.
- (A) F7 (B) F1
(C) F12 (D) F5
23. Which of these binary representation represents an odd number ?
- (A) 1010 (B) 1110
(C) 1011 (D) 1000
24. What does the letter 'B' stands for in the full form of 'BIOS' ?
- (A) Binary (B) Bilingual
(C) Bypass (D) Basic
25. Ankush, Baali, Colonel subscribe ₹ 50,000 for a business. Ankush subscribes ₹ 4,000 more than Baali and Baali ₹ 5,000 more than Colonel. Out of a total profit of ₹ 35,000, Ankush receives :
- (A) 14,700 (B) 11,000
(C) 12,200 (D) 13,500
26. The resolution of the printer is measured to print the image :
- (A) dpi (B) dpis
(C) MIPS (D) MICP
27. 0.3333..., can be expressed in the form of rational number, i.e. p/q as :
- (A) $2/3$ (B) $1/3$
(C) $4/7$ (D) $3/4$
28. Shortcut for opening Help in Microsoft PowerPoint is :
- (A) Ctrl+A (B) Shift+B
(C) F1 (D) F3

29. **Directions :** Study the following table carefully and answer the questions given below it :

Number of Different categories of vehicles sold in the country over the years (in thousands)

Year	Heavy	Light Commercial Vehicles	Cars	Jeeps	Two Wheelers
1990	26	64	232	153	340
1991	45	60	242	172	336
1992	72	79	248	210	404
1993	81	93	280	241	411
1994	107	112	266	235	442
Total	331	408	1268	1011	1933

If the same percentage increase in the number of Heavy Vehicle as in 1994 over 1993 is expected in 1995, approximately how many heavy vehicles will be sold in 1995 ?

- (A) 141 (B) 107
(C) 132 (D) 156
30. USB is an acronym for which of the following ?
- (A) Utility System Bus
(B) Unity Sum Bus
(C) Universal Sum Book
(D) Universal Serial Bus
31. Each page of a Microsoft PowerPoint presentation is called a _____.
- (A) plate (B) film
(C) poster (D) slide

32. At a moment, the shadow's length of a shaft is $\sqrt{3}$ times the stature of the shaft. The angle of rise of the sun is :

- (A) 30° (B) 70°
(C) 90° (D) 50°

33. Find dy/dx if $y = 2 \sin(3 \cos 4x)$:

- (A) $24 \sin 4x \cos(3 \cos 4x)$
(B) $-24 \sin 4x \cos(3 \cos 4x)$
(C) $-24 \sin x \cos(3 \cos 4x)$
(D) $-24 \sin 4x \cos(4 \cos 3x)$

34. Printed copy is called as _____.

- (A) Only Hard copy
(B) Only Soft copy
(C) Both Hard copy & Soft copy
(D) Dimensional way

35. _____ is a special temporary location in CPU that is involved in temporary storing and carrying out data and instructions.

- (A) CMOS battery (B) Registers
(C) Motherboard (D) Pivot

36. In the MAC address of a computer, MAC is an acronym for which of the following ?

- (A) Media Access Control
- (B) Machine Access Control
- (C) Media Accept Control
- (D) Media Address Control

37. _____ shortcut key in MS Paint is used to show image properties.

- (A) Ctrl + P
- (B) Ctrl + E
- (C) Shift + P
- (D) Alt + A

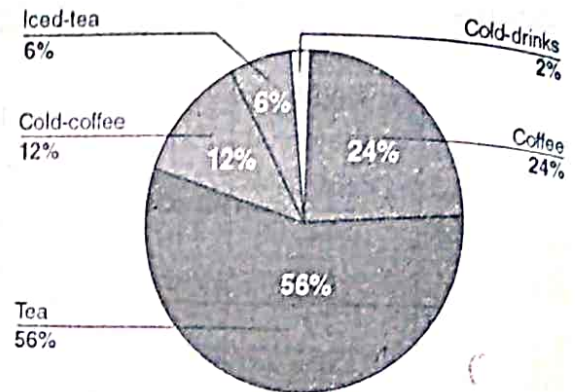
38. A Doughnut chart in Excel is similar to :

- (A) Bar chart
- (B) Scatter chart
- (C) Area chart
- (D) Pie chart

39. On lending a certain sum of money on C.I. one gets ₹ 9,050 in 2 years and ₹ 9,500 in 3 years. What is the rate of interest ?

- (A) 1%
- (B) 5%
- (C) 15%
- (D) 1.75%

40. In the summer, a survey was conducted among 400 people about their favourite beverages. The following pie chart shows the data :



What is the total central angle for iced tea and cold-drinks ?

- (A) 28.8°
- (B) 34.5°
- (C) 22.4°
- (D) 58.8°

41. In a factory, there are 40% technicians and 60% non-technicians. If the 60% of the technicians and 40% of non-technicians are permanent employees, then the percentage of workers who are temporary is ?

- (A) 52%
- (B) 46%
- (C) 58%
- (D) 65%

42. Find the number that will replace the (?) :

$$\sqrt{19.36} + \sqrt{9 + (?)^2} = 9.4$$

- (A) 6
- (B) 4
- (C) 6.5
- (D) 3.2

43. David gets on the elevator at the 11th floor of a building and rides up at the rate of 57 floors per minute. At the same time, Albert gets on an elevator at the 51st floor of the same building and rides down at the rate of 63 floors per minute. If they continue travelling at these rates, then at which floor will their paths cross ?

- (A) 54th (B) 37th
 (C) 40th (D) 30th

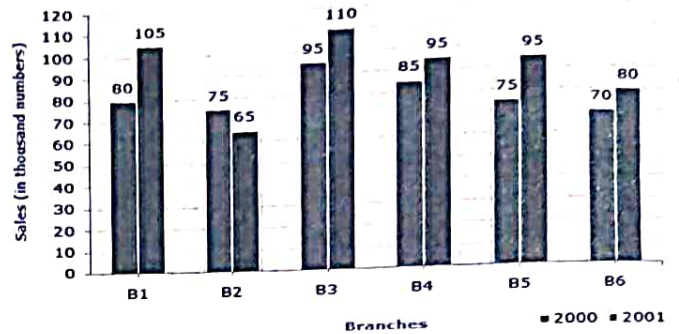
44. The average age of 30 girls in a parlour is 15 years. If we include the age of two boys the average age increases by 1. Find the sum of ages of the two boys.

- (A) 45 years (B) 28 years
 (C) 54 years (D) 62 years

45. 192.168.0.1 is an example of _____.

- (A) IP Address (B) MAC Address
 (C) House Address (D) Office Address

46. The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001. Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years ?

- (A) 79.65% (B) 56.76%
 (C) 73.17% (D) 62.45%

47. A dog takes 3 leaps for every 5 leaps of a hare. If one leap of the dog is equal to 3 leaps of the hare, the ratio of the speed of the dog to that of the hare is :

- (A) 2 : 3 (B) 4 : 5
 (C) 9 : 5 (D) 3 : 2

48. What does the letter 'I' stands for in the full form of 'GUI' ?

- (A) Interface (B) Integrated
 (C) Individual (D) Invisible

49. Six points are marked on a straight line and five points are marked on another line which is parallel to the first line. How many straight lines, including the first two, can be formed with these points ?
- (A) 44 (B) 52
(C) 32 (D) 15
50. Which of the following given word can be formed by the letters of the COIMBATORE ?
- (A) COIN (B) CRAB
(C) STORE (D) CLIMB
51. The complete syntax for TIME function in MS Excel is :
- (A) TIME (day, hour, min)
(B) TIME (hour, min, sec)
(C) TIME (hour, min, sec, ms)
(D) TIME (hour, min, day)
52. _____ is used to manage e-mails, appointments and contact.
- (A) Adobe illustrator
(B) Photoshop
(C) MS OUTLOOK
(D) MS Paint
53. In a certain code FLOWERS is written as EKNVDQR. How is PRECIOUS written in that code ?
- (A) OQDBHNTR (B) OQDBNHTR
(C) OQBDINTR (D) OQDNHBTR
54. Illegal distribution, copying and use of licensed software is called _____.
- (A) Legal marketing
(B) Ethical Promotion
(C) Software Piracy
(D) All of these
55. Choose the number from the following given alternatives which is different from the others in the series.
- (A) 264 (B) 187
(C) 781 (D) 386
56. The _____ attribute identifies an image by a URL (Mandatory for the element).
- (A) pin (B) text
(C) src (D) table
57. The simple interest on a certain sum of money for $2\frac{1}{2}$ years at 12% per annum is ₹ 40 less than the simple interest on the same sum for $3\frac{1}{2}$ years at 10% per annum. Find the sum.
- (A) 800 (B) 720
(C) 430 (D) 560
58. Which of these is a web browser provided by APPLE corporation ?
- (A) Chrome (B) Firefox
(C) Safari (D) Opera

59. If truck is called bus, bus is called tractor, tractor is called car, car is called scooter, scooter is called bicycle, bicycle is called glider, which is used to plough a field ?

- (A) tractor (B) truck
(C) bus (D) car

60. The average of 7 numbers is 80. The average of first 3 numbers is 30 and that of last 3 numbers is 40. What must be the remaining numbers ?

- (A) 310 (B) 370
(C) 300 (D) 350

61. The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number ?

- (A) 2 (B) 6
(C) 5 (D) 4

62. Choose the correct word from the following given option :

Exercise : '?' :: Eating : Restaurant

- (A) Food (B) Gym
(C) Fitness (D) Diet

63. In Microsoft PowerPoint slide _____ are the visual movements as one slide changes to another.

- (A) transitions (B) optimization
(C) animations (D) visualization

64. DPI is an acronym for which of the following ?

- (A) Dots Per Inch
(B) Double Picture Interpretation
(C) Dots Preview Interface
(D) Data Pause Interval

65. The exact location of a file on the disk is known as _____.

- (A) File (B) Folder
(C) Path (D) Display

66. Which of the following is NOT a valid MS Office extension ?

- (A) .doc (B) .xslm
(C) .pptx (D) .pptl

67. If A=2, PEN=38, then 'STUDENT' = ?

- (A) 105 (B) 115
(C) 110 (D) 90

68. Laser printer is a _____ printer.

- (A) Impact (B) Non-impact
(C) Key note (D) Non peripheral

69. ODBC stands for _____.

- (A) Open Database Connectivity
- (B) Old Database Connect
- (C) Open Down Connectivity
- (D) Other Database Cross

70. 8 bits is equal to _____.

- (A) 1 Byte
- (B) 1 Nibble
- (C) 1 Mega byte
- (D) Kilobyte

71. Convert 101110 into decimal notation :

- (A) 11
- (B) 27
- (C) 46
- (D) 44

72. Images are basically a collection of spots, each of which is known as _____.

- (A) cursor
- (B) pointer
- (C) pixel
- (D) button

73. In Computers A hexadecimal number system consists of _____ digits.

- (A) 2
- (B) 8
- (C) 16
- (D) 24

74. A software _____ is a quick-repair job for a piece of programming designed to resolve functionality issues, improve security or add new features.

- (A) error
- (B) patch
- (C) black hat hacking
- (D) interaction

75. Which of the following option is the shortcut for opening a file through a location dialog box in Microsoft Word ?

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

76. Which among the following is/are the popular linux distros ?

- (A) MX Linux
- (B) Manjaro Linux
- (C) Fedora Linux
- (D) All of these

77. SQL is related to _____.

- (A) Notepad
- (B) Wordpad
- (C) Database
- (D) None of these

78. _____ is also known as read/write memory.

- (A) ROM
- (B) RAM
- (C) Keyboard
- (D) Joystick

79. Three out of four words given below belong to same category. Choose the word that does not match with the rest of the three.
- (A) Joule (B) Watt
(C) Current (D) Kilometer
80. A wire in the form of a circle of radius 3.5 cm is bent in the form of a rectangle, whose length and breadth are in the ratio of 6 : 5. What is the area of the rectangle ?
- (A) 64 cm² (B) 24 cm²
(C) 35 cm² (D) 30 cm²
81. Convert the Binary number 101011 to its Decimal equivalent :
- (A) (14)₁₀ (B) (10)₄₃
(C) (43)₁₀ (D) (44)₁₀
82. What approximate value will come (?) in the following equation ?
- $$15.01^2 + \sqrt{81.009} \times 32 = ?$$
- (A) 302 (B) 234
(C) 113 (D) 513
83. In C, statements are terminated by :
- (A) Question mark
(B) Semicolon
(C) Exclamation mark
(D) No need for termination symbol
84. The angles of elevation of the tops of two vertical towers as seen from the middle point of the lines joining the foot of the towers are 45° & 60°. The ratio of the longest height to the shortest height of the tower is :
- (A) $\sqrt{1} : 2$ (B) $\sqrt{3} : 1$
(C) $\sqrt{5} : 1$ (D) 3 : 1
85. Which of these keys combination in Windows Operating system is used as a shortcut for 'Save' ?
- (A) F1 (B) Ctrl + Z
(C) Ctrl + S (D) F12
86. Applied to a bill for ₹ 50,000. Find the difference between a discount of 25% to that of two successive discounts of 20% and 10% ?
- (A) 1760 (B) 2500
(C) 1500 (D) 1450
87. In a database, another name for a row is :
- (A) table (B) tuple
(C) column (D) file
88. Sunita is fatter than Sujata. Sujata is fatter than Saksham. Suman is thinner than Saksham. Who is the thinnest one ?
- (A) Saksham (B) Sunita
(C) Sujata (D) Suman

89. From the given option, what should come in place of question mark (?) in the following series :

80, 64, 48, 32, '?', 0

- (A) 16 (B) 15
(C) 13 (D) 18

90. Which of these is a web browser provided by GOOGLE ?

- (A) Safari (B) Edge
(C) Firefox (D) Chrome

91. Pointing to a photograph of a boy Sahil said, "He is the son of the only son of my mother." How is Sahil related to that boy ?

- (A) brother (B) uncle
(C) cousin (D) father

92. The following table shows the number of boys and girls of different schools that have participated in a scholarship test over five years.

School	A		B		C		D	
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
2001	300	80	280	60	320	84	450	70
2002	320	70	300	80	424	100	320	60
2003	340	90	420	120	230	70	360	90
2004	370	100	480	140	360	120	500	120

The percentage increase in participation of boys from school B in 2004 over those in 2001 is nearly :

- (A) 71% (B) 23%
(C) 66% (D) 78%

93. The marked price on an item was ₹ 2000/- but the shopkeeper offered a double discount of 20% and 15%. How much did he finally sell the item for ?

- (A) 1360 (B) 1540
(C) 1600 (D) 2320

94. Arrange the given english words in alphabetical order and choose the one that comes second place.

- (1) Accumulate (2) Actuate
(3) Account (4) Achieve
(5) Acquit
(A) Accumulate (B) Actuate
(C) Account (D) Achieve

95. Six friends A, B, C, D, E and F are seated on a round table facing inside. F is between A and D. C is between E and B. E is not between D and C. D is second to the left of C. Who is between A and C ?

- (A) E (B) B
(C) C (D) F

96. Read the given statement and select the assumption that follows :

Statement :

If it is easy to become a Doctor, I don't want to be a Doctor.

Assumptions :

- (I) An individual aspires to be professional.
(II) One desires to achieve a thing which is hard earned.
(A) only I follows (B) only II follows
(C) both I and II (D) none of these

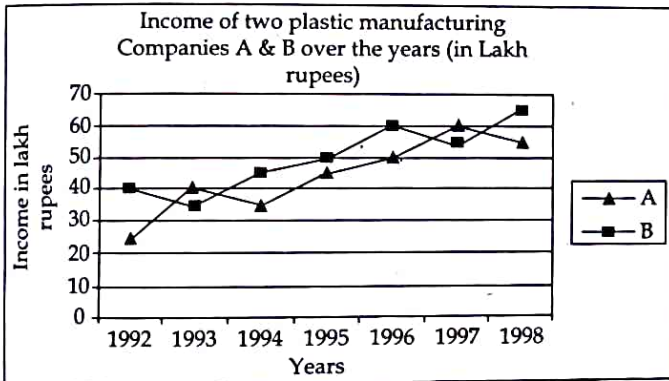
97. _____ file have .mpg extension.

- (A) Image (B) Video
(C) Audio (D) Error

98. Which of the following is a device that sends and receives data over telephone lines to and from computers ?

- (A) Modem (B) Camera
(C) Keyboard (D) None of these

99. Directions for question : Study the following graph carefully and answer the question given below (Profit is taken as the % of expenditure.)



If the expenditure of company B in 1997 is ₹ 50 lakhs, the percent profit earned by both the companies A and B in 1997 is equal, then what is the amount of profit earned by company A in 1997 (approximately) ?

- (A) 4.6 lakh (B) 5.5 lakh
(C) 6.0 lakh (D) 2.7 lakh

100. In Microsoft PowerPoint, Themes could be found under :

- (A) Insert tab (B) Data tab
(C) Design tab (D) Review tab

- o o o -

IMPORTANT INSTRUCTIONS :

Read Carefully

1. Do not break the Question Booklet seal until told to do so.
2. For writing or marking answer, use a **BLUE/BLACK** ball point pen **ONLY**, which you were asked to bring with you.
3. Mark all your answers on the OMR Answer Sheet only. Only the OMR Answer Sheet will be evaluated.
4. Mark only one answer for each question.
5. Make sure that answer mark completely fills the correct circle.

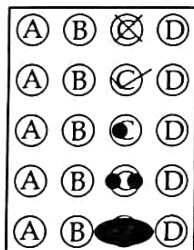
Correct way to mark your answers

Correct



Does not mark like this

Wrong



CAUTION!!

If you do not follow the above instructions, your Answer Sheet cannot be evaluated by the electronic scoring machine (Optical Marker Reader), and it will reject it.