

GOVERNMENT OF MIZORAM
TRANSPORT DEPARTMENT

COMPETITIVE EXAMINATION FOR RECRUITMENT TO
THE POST OF ENFORCEMENT SUB-INSPECTOR
(FEBRUARY-2026)

PAPER-II
(SIMPLE ARITHMETIC & BASIC COMPUTER
KNOWLEDGE)

Full Marks : 200
Time Allowed : 3 Hours

Signature of Invigilator _____

CODE :

(For official use)

SUBJECT	MARK CARRIED BY EACH QUESTION / TOPIC	NO. OF CORRECT ANSWERS	MARKS OBTAINED
Simple Arithmetic	2		
Basic Computer Knowledge	2		
TOTAL			

Signature of Examiner : _____

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All questions carry equal mark of 2 each. Attempt all questions.

Put a tick (✓) mark against the correct answer in the space given in each question.

If a candidate gives more than one answer to one question, it will be treated as wrong answer even if one of the given answers happens to be correct.

SIMPLE ARITHMETIC - 100 MARKS

1. The value of $1 \div \{1 + 1 \div (1 + 1 \div 2)\}$ is :

- (a) 1 ()
(b) 2 ()
(c) $\frac{3}{5}$ ()
(d) $\frac{1}{2}$ ()

2. If $\sqrt{x} + 11 = 32$ of $\frac{5}{8}$, the value of x is :

- (a) 36 ()
(b) 49 ()
(c) 64 ()
(d) 81 ()

3. $14\% \text{ of } 500 + 29\% \text{ of } 600 = ?$

- (a) 243 ()
(b) 244 ()
(c) 245 ()
(d) 246 ()

4. What is the least number by which 9900 must be divided to get a number which is a perfect square?

- (a) 5 ()
(b) 7 ()
(c) 9 ()
(d) 11 ()

5. The sum of four consecutive even numbers, A, B, C and D is 140. What is the sum of the set of next four consecutive even numbers?

- (a) 164 ()
(b) 168 ()
(c) 172 ()
(d) 176 ()

6. The difference between two numbers is 4 and the difference between their squares is 56. Then the sum of two numbers is :

- (a) 14 ()
- (b) 12 ()
- (c) 10 ()
- (d) 8 ()

7. The sum of three numbers is 120, if the first number is twice the second number and the second number is thrice the third number. Find the first number :

- (a) 60 ()
- (b) 72 ()
- (c) 84 ()
- (d) 96 ()

8. Which one of the following is not a prime number?

- (a) 31 ()
- (b) 61 ()
- (c) 71 ()
- (d) 91 ()

9. The sum of all the factors of 24 is:

- (a) 40 ()
- (b) 50 ()
- (c) 60 ()
- (d) 70 ()

10. What is the value of $12\frac{1}{2} + 12\frac{1}{3} + 12\frac{1}{6}$?

- (a) 37 ()
- (b) 38 ()
- (c) 39 ()
- (d) 40 ()

11. What would be the simple interest obtained on ₹ 4500 at the rate of 6% per annum after 3 years?

- (a) ₹ 780 ()
- (b) ₹ 810 ()
- (c) ₹ 850 ()
- (d) ₹ 890 ()

12. A sum of money at simple interest amounts to ₹ 861 in 1 years and ₹ 943 in 3 years. The sum is :

- (a) ₹ 820 ()
- (b) ₹ 830 ()
- (c) ₹ 840 ()
- (d) ₹ 860 ()

13. On a sum of money, if the difference between simple interest and compound interest, both at 10% is ₹ 2 in two years. What is the principal amount:
- (a) ₹ 100 ()
- (b) ₹ 200 ()
- (c) ₹ 300 ()
- (d) ₹ 400 ()
14. The total number of boys in a school is 16% more than the total number of girls in the school. What is the respective ratio of the total number of boys to the total number of girls in the school?
- (a) 5 : 4 ()
- (b) 13 : 10 ()
- (c) 29 : 25 ()
- (d) 41 : 37 ()
15. Calculate the compound interest for a principal of ₹ 16000 over a period of 2 years at an annual rate of 10% :
- (a) ₹ 3200 ()
- (b) ₹ 3300 ()
- (c) ₹ 3360 ()
- (d) ₹ 3390 ()
16. $a : b = 3 : 5$ and $b : c = 5 : 7$. If $c = 49$, then what is the value of a ?
- (a) 33 ()
- (b) 29 ()
- (c) 25 ()
- (d) 21 ()
17. Divide ₹ 1440 among A and B in the ratio of 11 : 7. Then B's share is:
- (a) ₹ 560 ()
- (b) ₹ 640 ()
- (c) ₹ 770 ()
- (d) ₹ 880 ()
18. There are 216 students in a school in which 117 are girls. What is the ratio of boys to girls in the school.
- (a) 7 : 9 ()
- (b) 9 : 11 ()
- (c) 11 : 13 ()
- (d) 13 : 15 ()
19. What will be the average of the first 5 two digit even numbers divisible by 3?
- (a) 20 ()
- (b) 24 ()
- (c) 30 ()
- (d) 34 ()

20. The marked price of a Scooter is ₹ 81,000, the shopkeeper offered a discount of 12%. Find the selling price of a Scooter.
- (a) ₹ 75400 ()
- (b) ₹ 74820 ()
- (c) ₹ 72630 ()
- (d) ₹ 71280 ()
21. If a number is multiplied by one-third of itself, the value thus obtained is 2700. What is that number?
- (a) 90 ()
- (b) 100 ()
- (c) 110 ()
- (d) 120 ()
22. A speed of 25 m/sec is equal to :
- (a) 63 km/hr ()
- (b) 72 km/hr ()
- (c) 81 km/hr ()
- (d) 90 km/hr ()
23. The average age of 24 students and the class teacher is 16 years. If the class teacher's age is excluded, the average reduces by one year. What is the age of the class teacher.
- (a) 50 ()
- (b) 45 ()
- (c) 40 ()
- (d) 35 ()
24. The sum of 6 numbers is 612. Find the average.
- (a) 103 ()
- (b) 102 ()
- (c) 101 ()
- (d) 100 ()
25. Thanga sells two pair of shoes for ₹ 3990 each, one at a profit of 5% and other at a loss of 5%. Find his gain or loss in terms of rupees(₹)?
- (a) gain ₹ 20 ()
- (b) loss ₹ 20 ()
- (c) gain ₹ 30 ()
- (d) loss ₹ 30 ()
26. Hlui sells a shirt for ₹ 1880 after 6% discount. Find the marked price of a shirt:
- (a) ₹ 2000 ()
- (b) ₹ 2050 ()
- (c) ₹ 2100 ()
- (d) ₹ 2150 ()
27. The cost price of 58 pencils is equal to the selling price of 50 pencils. What is the profit % ?
- (a) 10% ()
- (b) 12% ()
- (c) 15% ()
- (d) 16% ()

28. Ema and Anna start a business by investing ₹ 25000 and ₹ 30000 respectively. If after one year, profit amount of Ema is ₹ 1700, then find the profit amount of Anna?
- (a) ₹ 1880 ()
 (b) ₹ 1960 ()
 (c) ₹ 2040 ()
 (d) ₹ 2150 ()
29. The marked price of a TV is ₹ 45000, the shopkeeper offered a discount of 6%. Find the selling price of a TV.
- (a) ₹ 42100 ()
 (b) ₹ 42300 ()
 (c) ₹ 42500 ()
 (d) ₹ 42700 ()
30. Two successive discount of 10% and 10% are equivalent to a single discount of?
- (a) 18% ()
 (b) 19% ()
 (c) 20% ()
 (d) 21% ()
31. Two candidates contested an election. If one get 520 votes which was 65% of votes, what was the total number of votes?
- (a) 1000 ()
 (b) 950 ()
 (c) 850 ()
 (d) 800 ()
32. In a college election between two candidates, one candidate got 55% of the total valid votes. 15% of the votes were invalid. If the total votes were 15,200, what is the number of valid votes the other candidate got?
- (a) 5814 ()
 (b) 6840 ()
 (c) 7106 ()
 (d) 8360 ()
33. 12 men complete the work in 9 days. After they have work for 6 days, 6 more men join them. How many days will they take to complete the remaining work?
- (a) 4 days ()
 (b) 3 days ()
 (c) 2 days ()
 (d) 1 day ()
34. 'A' can do a piece of work in 30 days, 'B' can do the same work in 15 days. 'C' can do the same work in 10 days. In how many days can all three do the work together?
- (a) 2 days ()
 (b) 3 days ()
 (c) 4 days ()
 (d) 5 days ()

35. Two pipes A and B can fill an empty tank in 15 hours and 20 hours respectively. Pipe C can empty the full tank in 12 hours. If all three pipes are opened together, in how much time the tank will be filled?
- (a) 25 hours ()
 (b) 30 hours ()
 (c) 35 hours ()
 (d) 40 hours ()
36. A train running a speed of 72 km/h goes past a pole in 15 sec. What is the length of the train?
- (a) 150 m ()
 (b) 200 m ()
 (c) 300 m ()
 (d) 350 m ()
37. In covering a distance of 80 km, Tetea takes 3 hours more than Ruata. If Tetea doubles his speed, then he would take 2 hour less than Ruata. Tetea's speed is :
- (a) 8 km/hr ()
 (b) 7.5 km/hr ()
 (c) 7 km/hr ()
 (d) 6.5 km/hr ()
38. How many permutations of the letters of the word APPLE are there?
- (a) 600 ()
 (b) 120 ()
 (c) 240 ()
 (d) 60 ()
39. How many diagonals can be drawn in a pentagon?
- (a) 4 ()
 (b) 5 ()
 (c) 9 ()
 (d) 10 ()
40. The sum of first 45 natural numbers is :
- (a) 1035 ()
 (b) 1280 ()
 (c) 2070 ()
 (d) 2140 ()
41. The smallest prime number is:
- (a) 1 ()
 (b) 2 ()
 (c) 3 ()
 (d) 4 ()
42. The value of $\sqrt{0.000441}$ is equal to :
- (a) 0.00021 ()
 (b) 0.0021 ()
 (c) 0.021 ()
 (d) 0.21 ()

43. The angle of elevation of a ladder leaning against a wall is 60° and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:

- (a) 2.3 m ()
 (b) 4.6 m ()
 (c) 7.8 m ()
 (d) 9.2 m ()

44. Which of the following options is correct with respect to $\sec \theta$?

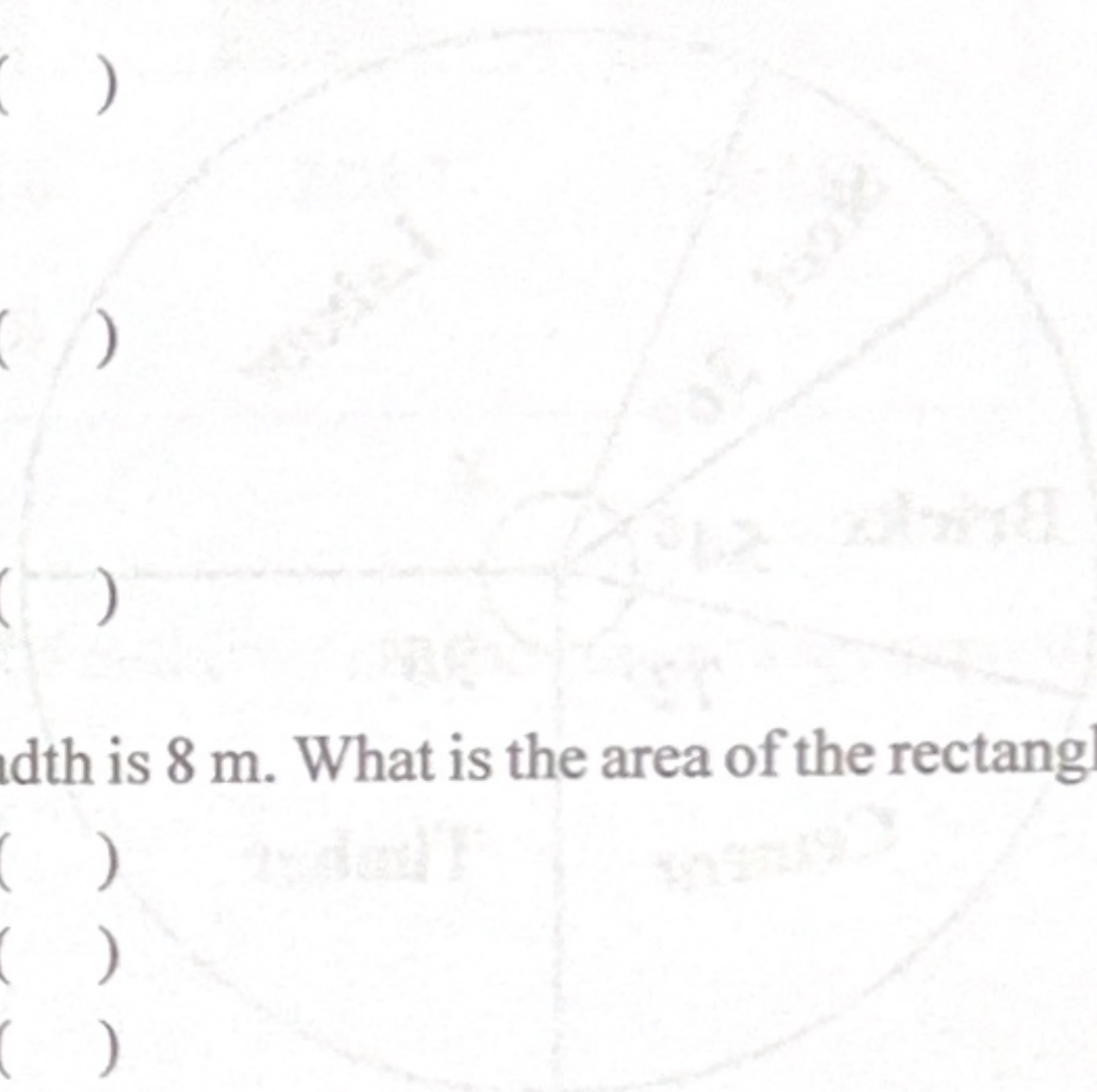
- (a) $\frac{\text{Hypotenuse}}{\text{Base}}$ ()
 (b) $\frac{\text{Perpendicular}}{\text{Base}}$ ()
 (c) $\frac{\text{Base}}{\text{Hypotenuse}}$ ()
 (d) $\frac{\text{Perpendicular}}{\text{Hypotenuse}}$ ()

45. The perimeter of a rectangle is 48 m and its breadth is 8 m. What is the area of the rectangle ?

- (a) 96 m^2 ()
 (b) 108 m^2 ()
 (c) 128 m^2 ()
 (d) 144 m^2 ()

46. Find the lateral surface area of a cube with side length 5 cm.

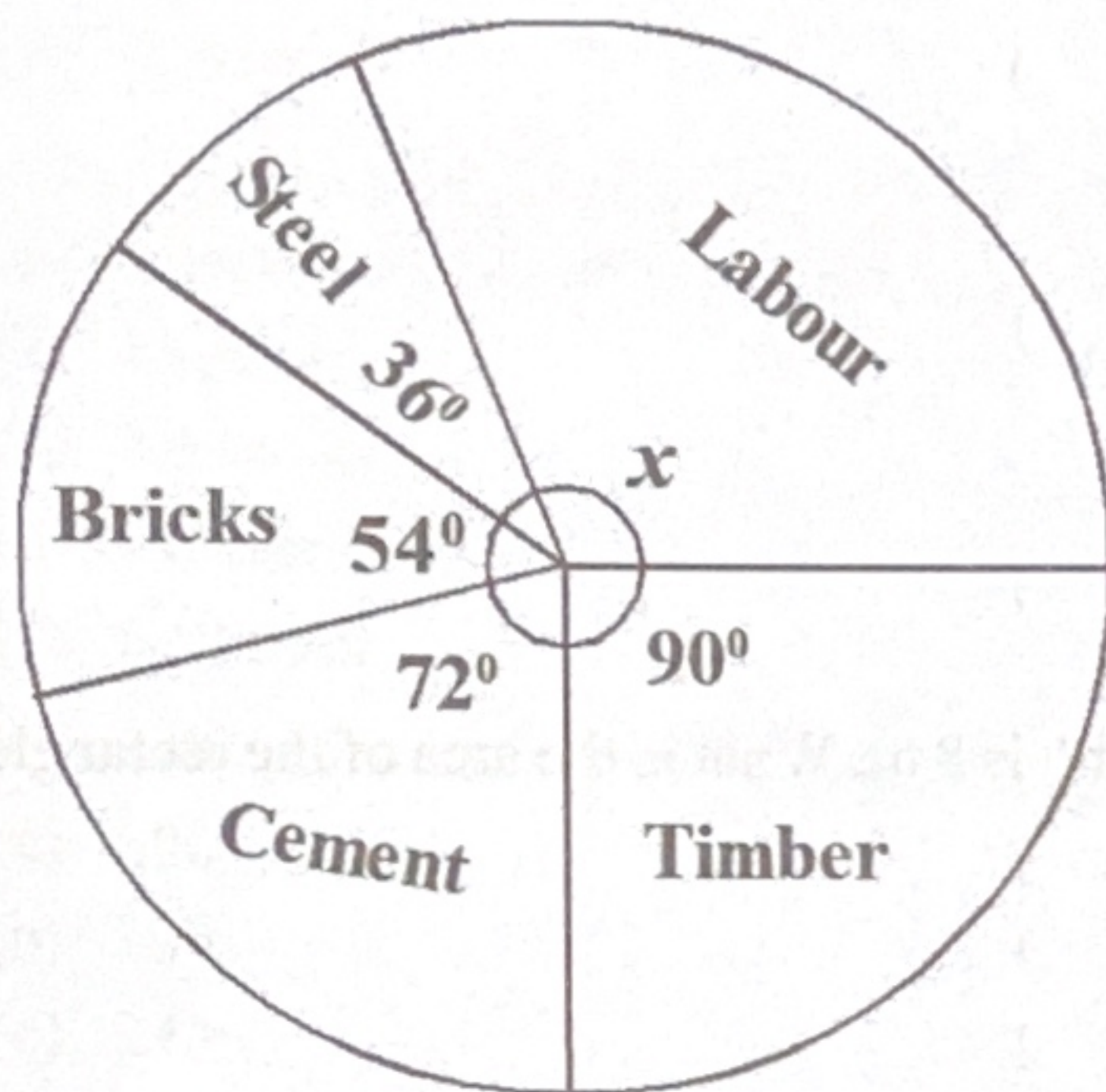
- (a) 85 cm^2 ()
 (b) 100 cm^2 ()
 (c) 125 cm^2 ()
 (d) 150 cm^2 ()



47. From a solid circular cylinder of height 9 cm and radius of base 7 cm, a right circular cone of the same height and the same base is removed. Find the volume of the remaining solid.

- (a) 882 cm^3 ()
 (b) 896 cm^3 ()
 (c) 918 cm^3 ()
 (d) 924 cm^3 ()

Directions (Question Nos. 48 & 49) : The given pie-chart represents the expenditure on different items in constructing a building.



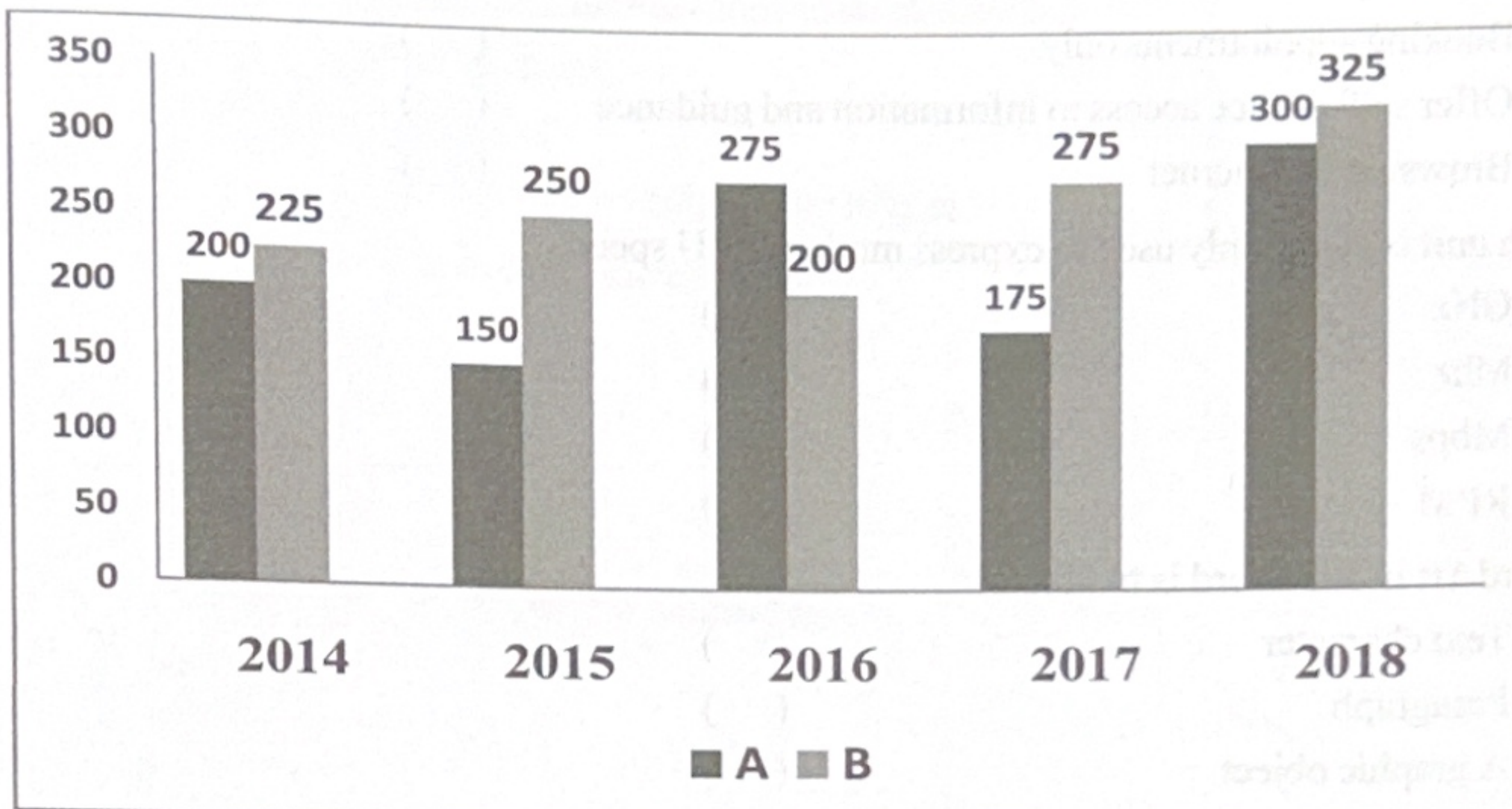
48. The expenditure on Labour is ₹ 2,70,000. What is the total expenditure on building?

- (a) ₹ 8,00,000 ()
 (b) ₹ 9,00,000 ()
 (c) ₹ 10,00,000 ()
 (d) ₹ 11,00,000 ()

49. Find the percentage for the expenditure on bricks.

- (a) 10% ()
 (b) 12% ()
 (c) 15% ()
 (d) 18% ()

50. The bar graph shows the exports of cars of type A and B (in ₹ millions) from 2014 to 2018.



In which year were the exports of cars of type B ₹ 5 millions more than the average export(per year) of cars of type A over the five years?

- (a) 2016 ☐
- (b) 2014 ☐
- (c) 2017 ☐
- (d) 2015 ☐

BASIC COMPUTER KNOWLEDGE - 100 MARKS

51. The application that comes pre-installed with Windows OS is:

- (a) Calculator ☐
- (b) MS Word ☐
- (c) Google Chrome ☐
- (d) MS OneNote ☐

52. The Thesaurus in MS Word is mainly used to:

- (a) To check grammatical errors ☐
- (b) To replace words with their synonyms ☐
- (c) Find synonyms and related words ☐
- (d) Replace repeated words automatically ☐

53. In the reference A\$5, when the formula is copied across columns, Excel will:

- (a) Keep column fixed and change row ☐
- (b) Keep row fixed and change column ☐
- (c) Change both row and column ☐
- (d) Keep both column and row fixed ☐

54. Information kiosks are mainly used for:

- (a) Provide printed manuals to users ()
- (b) Booking appointments only ()
- (c) Offer self-service access to information and guidance ()
- (d) Browsing the internet ()

55. Which unit is commonly used to express modern CPU speeds?

- (a) GHz ()
- (b) Mhz ()
- (c) Mbps ()
- (d) RPM ()

56. A WordArt in MS Word is treated as:

- (a) Text character ()
- (b) Paragraph ()
- (c) A graphic object ()
- (d) Symbols ()

57. Which tab do you use to add a new slide in PowerPoint?

- (a) Insert ()
- (b) Home ()
- (c) Design ()
- (d) View ()

58. Which of the following is a negative social impact of the Internet?

- (a) E-commerce ()
- (b) Cyberbullying and online harassment ()
- (c) Global connectivity ()
- (d) Remote work from home ()

59. What is the shortcut key to undo action in most MS Office applications?

- (a) Ctrl + Y ()
- (b) Ctrl + U ()
- (c) Ctrl + Z ()
- (d) Ctrl + V ()

60. What is an **essential** feature of an online collaboration tool?

- (a) Simultaneous access and editing by multiple users ()
- (b) User authentication using username and password ()
- (c) Cloud storage facility ()
- (d) Automatic saving of documents or files ()

61. An example of main memory is:

- (a) SSD (Solid State Drive) ()
- (b) RAM (Random Access Memory) ()
- (c) Virtual Memory ()
- (d) Magnetic Tape ()

62. System software is essential because:
- (a) It allows hardwares and applications to work together ☐
 - (b) It can be used to store data ☐
 - (c) It can replace hardwares ☐
 - (d) It automatically saves the ongoing work of user ☐
63. What is the latest version of Windows OS?
- (a) Windows 12 ☐
 - (b) Windows 11 ☐
 - (c) Windows 11.2 ☐
 - (d) Windows 10 ☐
64. In MS Word, inserted symbols are treated as:
- (a) Images ☐
 - (b) Shapes ☐
 - (c) Objects ☐
 - (d) Text characters ☐
65. In MS Excel, if you want to print all columns on the same page while rows may span more than a single page you should use the scaling option:
- (a) Fit all columns on one page ☐
 - (b) Fit sheet on one page ☐
 - (c) Fit all rows on one page ☐
 - (d) Adjust margins ☐
66. Who originally funded the creation of the Internet?
- (a) Harvard University ☐
 - (b) European Union ☐
 - (c) ICANN ☐
 - (d) ARPANET (US Department of Defense) ☐
67. The unit which is used for measuring font size in MS Word is:
- (a) Inches ☐
 - (b) Points ☐
 - (c) Pixels ☐
 - (d) Millimeters ☐
68. The three buttons usually found on the top-right corner of the title bar of a window in Windows OS, and the order in which they are placed are:
- (a) Close, minimize & maximize/restore buttons ☐
 - (b) Zoom out, zoom in & close buttons ☐
 - (c) Search, menu & close buttons ☐
 - (d) Minimize, maximize/restore & close buttons ☐
69. Line spacing in a paragraph refers to the space:
- (a) Between letters ☐
 - (b) Between lines of text ☐
 - (c) Between paragraphs only ☐
 - (d) Between words ☐

70. If a chart in Excel is linked to a formula in a worksheet and the formula result changes, the chart:
- (a) Updates automatically to reflect the new result ()
 - (b) Shows an error until you refresh manually ()
 - (c) Deletes the series linked to the formula ()
 - (d) Updates data to some random value ()
71. If you want a presentation to play automatically like a kiosk, you should:
- (a) Add entrance animations ()
 - (b) Insert pictures and objects on every slide ()
 - (c) Set slide timings in the Transitions tab ()
 - (d) Apply slide transitions automatically ()
72. One advantage of web-based email clients over desktop clients is that they:
- (a) Require manual server configuration ()
 - (b) Can send and receive emails offline ()
 - (c) Can be accessed from any device with a browser ()
 - (d) Work only on one type of operating system ()
73. Format painter in MS Word cannot copy:
- (a) Font size ()
 - (b) Text Content ()
 - (c) Line Spacing ()
 - (d) Font style ()
74. Which of the following can you do using Control Panel of Windows OS?
- (a) Create shortcuts on the desktop only ()
 - (b) Add or remove programs, change system settings ()
 - (c) Change system settings only ()
 - (d) Create new files and folders ()
75. Choose the correct statement about sequential and direct-access storage devices:
- (a) Both have same access time ()
 - (b) Direct-access is slower than sequential access storage devices ()
 - (c) Sequential is slower than direct-access storage devices ()
 - (d) Direct-access storage devices have simpler access technology than sequential access devices ()
76. A person wants an affordable computer for web browsing, watching videos, gaming and basic office tasks. The most suitable type of computer is:
- (a) Mainframe ()
 - (b) Workstation ()
 - (c) Supercomputer ()
 - (d) Personal Computer (PC) ()
77. Which of the following is not possible using AutoCorrect in MS Word?
- (a) Automatically correct grammar as you type ()
 - (b) Corrects common spelling mistakes ()
 - (c) Make a shortcut code/text to insert longer texts ()
 - (d) Auto-capitalizes the starting letter of a paragraph ()

78. What-if analysis in Excel is used to:
- (a) Filter data based on specific conditions ☐
 - (b) Change values to see how results vary ☐
 - (c) Automatically recalculate formulas whenever any cell is updated ☐
 - (d) Sort and group data to create summary reports ☐
79. Which table option in MS Word ensures that cell dimensions expand or shrink based on the text inside them?
- (a) Auto-fit contents ☐
 - (b) Auto-fit window ☐
 - (c) Dynamic columns and rows ☐
 - (d) Distribute rows and columns ☐
80. What is the use of Headers and Footers in MS Word:
- (a) To divide the document into sections ☐
 - (b) To add hidden information ☐
 - (c) To add information about author of the document only ☐
 - (d) To display repeating information on each page ☐
81. The shortcut key to create new folder in File Explorer of Windows OS is:
- (a) Ctrl + Shift + N ☐
 - (b) Ctrl + N ☐
 - (c) Ctrl + Alt + N ☐
 - (d) Ctrl + Shift + F ☐
82. Choose the odd one out:
- (a) Mouse ☐
 - (b) Monitor ☐
 - (c) Printer ☐
 - (d) Audio speakers ☐
83. Which of the following correctly represents a valid Excel formula?
- (a) =B1+(A2-B4) ☐
 - (b) A1-A2=B1+B2 ☐
 - (c) =A1+(A2-A3)-SUM(A4:B7) ☐
 - (d) =A1!=A2 ☐
84. You want to make all slides in a presentation show a logo in the corner. Which element should you edit?
- (a) Slide layout ☐
 - (b) Content placeholder ☐
 - (c) Slide master ☐
 - (d) Notes pane ☐
85. Entrance, Exit, Emphasis, and Motion Path in MS Powerpoint are types of:
- (a) Animations ☐
 - (b) Slide design ☐
 - (c) Slide master features ☐
 - (d) Layouts ☐

86. Which of the following is not a component of the World Wide Web?
- (a) Modem ()
 - (b) Web browser ()
 - (c) HTTP documents ()
 - (d) Domain names ()
87. You are preparing a presentation in MS Powerpoint and want to quickly drag and drop slides to change their order. Which view is most convenient?
- (a) Reading View ()
 - (b) Notes Page ()
 - (c) Normal ()
 - (d) Slide Sorter ()
88. What is the default file extension of an Excel file in the latest versions?
- (a) .xlm ()
 - (b) .exl ()
 - (c) .xls ()
 - (d) .xlsx ()
89. Which of the following component is not part of Central Processing Unit (CPU)?
- (a) Control Unit ()
 - (b) Arithmetic Logic Unit ()
 - (c) Registers ()
 - (d) Main Memory ()
90. Which Find option ensures that only words with exact capitalization are replaced?
- (a) Whole words only ()
 - (b) Case-sensitive ()
 - (c) Match capitalization ()
 - (d) Match case ()
91. What will happen to the original file if a shortcut of it is deleted?
- (a) The original file is also deleted and moved to Recycle Bin along with the shortcut ()
 - (b) The original file can no longer be opened or accessed ()
 - (c) The original file's visibility is modified to be hidden ()
 - (d) The original file or program remains unchanged and stays in its original location ()
92. In Mail Merge, the document containing the main body text is called the:
- (a) Data source ()
 - (b) Main document (master document) ()
 - (c) Merge fields ()
 - (d) Master mail ()
93. The formula =IF(A1>50,"Pass","Fail") will return:
- (a) Pass, if content of A1 is smaller than 50 ()
 - (b) Pass, if content of A1 is equal to 50 ()
 - (c) Fail, if content of A1 is greater than 50 ()
 - (d) Fail, if content of A1 is equal to 50 ()

94. Phishing attacks are most commonly carried out through:
- (a) System updates ()
 - (b) Emails and fake websites ()
 - (c) Printed letters ()
 - (d) Pirated softwares ()
95. What is the name of the horizontal bar at the bottom of the Word screen that displays information about the document like the current page number, word count, zoom slider, etc.?
- (a) Menu bar ()
 - (b) Information bar ()
 - (c) Status bar ()
 - (d) Taskbar ()
96. The key function of an operating system is:
- (a) Act as an intermediary between users and hardware ()
 - (b) Run user programs without managing resources ()
 - (c) Provide internet connection to the user ()
 - (d) To save all the data onto secondary storage devices ()
97. Which operation is used to move a file from one folder to another?
- (a) Cut ()
 - (b) Copy ()
 - (c) Replace ()
 - (d) Redirect ()
98. The primary function of a search engine is:
- (a) Search posts on social media sites only ()
 - (b) Search for hidden files in a network drive ()
 - (c) Look through your files and folders on cloud storage ()
 - (d) Search the Internet for relevant information based on keywords ()
99. Application software primarily serves to:
- (a) Manage hardware resources ()
 - (b) Optimize system performance ()
 - (c) Help users perform specific tasks ()
 - (d) Execute machine-level instructions ()
100. The latest generation of computers, i.e. fifth-generation computers, are mainly associated with which of the following technology?
- (a) Artificial Intelligence ()
 - (b) Neural network ()
 - (c) Large language models ()
 - (d) Internet ()
