

**Do not open the Seal of the Question Booklet until you are asked to**

Question Booklet Code:

**D**

Question Booklet Series No:

**131168**

**Time Allowed: 2 Hours**

**Total Questions: 150**

**Maximum Marks: 150**

There shall be negative marking @ 0.25 marks per question for wrong/multiple answers

Before answering any question, check the booklet that it contains **16 pages** and no page is missing, mutilated or repeated. In case of defect, get it replaced immediately.

### INSTRUCTIONS FOR CANDIDATES

1. Fill in the OMR answer sheet, mentioning the Roll No. and other data as required in the place(s) indicated therein. Darken the appropriate circles in blue or black ball point pen only. Do not write any name / surname or put any symbol, sign, slogan, prayer or any mark of identification in the OMR answer sheet. Do not tamper with the bar-code or any other portion of the OMR answer sheet. Any such act is liable to render the answer sheet unfit for evaluation.
2. Correcting fluid, eraser, blade, books, textual material, script notes / loose paper, calculator, document, slide rules, log tables / electronic watches, smart watch, cell phone, pager, other electrical/ electronic devices etc, are not allowed inside the examination hall. In case the candidate is found to be in possession of any of the above, he / she shall be expelled from the examination without any enquiry as to whether the same was / were used by the candidate or not.
3. A machine will read the coded information furnished by you in the OMR Answer Sheet. If the information so furnished by you is incomplete or different from what you have given in the application form, you shall be awarded Zero mark.
4. Answer must be given by completely darkening one of the four circles / ovals representing the most appropriate answer given on the Answer Sheet corresponding to the relevant question. For answers not shown by properly darkening in black / blue ball point pen, no marks shall be awarded.
5. No Rough work should be done on the OMR Answer Sheet, Space for rough work has been provided in the Question Booklet itself.
6. After the examination is over, candidates must ensure to fold the OMR Answer Sheet at the perforation and separate the Original Copy and Candidate's Copy of the Two Part OMR Answer Sheet in the presence of the Invigilator and handover the Original Copy to the Invigilator. The Candidate's Copy of the OMR Answer sheet may be taken by the candidate. Failure to hand over the original copy of the OMR Answer Sheet to the Invigilator before leaving the examination hall / room shall make the candidate liable for penal action.
7. Candidates may take with them the respective question-booklet after the examination is over.
8. Failure to comply with or violation of any of the above instructions shall be considered as adopting unfair means and action as deemed proper shall be taken.

## Current Affairs

1. What is the name of new law replacing Indian Penal Code?
  - a) Bharatiya Nagarik Suraksha Sanhita
  - b) Bharatiya Nyaya Sanhita
  - c) Bharatiya Sakshya Adhiniyam
  - d) Bharatiya Danda Sanhita
2. In which country did a powerful earthquake (7.6 cm on Richter scale) erupt in first week of January, 2024?
  - a) Turkey
  - b) Japan
  - c) Indonesia
  - d) Palestine
3. Who is the Minister for "SC & ST Development, Minorities & Backward classes welfare" in Govt. of Odisha?
  - a) Shri Jaganath Saraka
  - b) Shri Sudam Marandi
  - c) Shri Niranjan Pujari
  - d) Smt. Usha Devi
4. Which was the closing film of 54<sup>th</sup> International Film festival of India?
  - a) About Dry Grasses
  - b) The Featherweight
  - c) Catching Dust
  - d) Barbie
5. Who is the Chief of Army staff of Indian Army?
  - a) General M.M Narvane
  - b) General Manoj Pande
  - c) General Bikram Singh
  - d) General Dalbir Singh Suhag
6. Who is author of book "KNIFE" (to be published in early 2024)
  - a) Mr. Sashi Tharoor
  - b) Mr. Amitabh Ghosh
  - c) Mr. Salman Rushdie
  - d) Ms. Arundhati Roy
7. Ustad Rasid Khan died recently. In what field did he achieve his fame?
  - a) Music
  - b) Dance
  - c) Literature
  - d) Sports
8. Houthis have been carrying out attacks on commercial shipping in Red Sea (December 2023/January 2024). In which country do they control territory?
  - a) Yemen
  - b) Oman
  - c) Lebanon
  - d) Iran
9. Which among the following countries did not have general election in January 2024?
  - a) Bangladesh
  - b) Bhutan
  - c) Taiwan
  - d) Pakistan
10. During crocodile census in Bhitarkanika in 2023, how many saltwater crocodiles were found?
  - a) 793
  - b) 1793
  - c) 2793
  - d) 3793
11. Where was COP-28 (Climate change Conference) held?
  - a) Dubai
  - b) Azerbaijan
  - c) Egypt (Sharm-Al- Seikh)
  - d) VK (Glasgow)
12. Which Court Ruled (in late December-2023) that Donald Trump's name can't be on Ballot?
  - a) Colorado Supreme Court
  - b) U.S Supreme Court
  - c) Maine Trial Court
  - d) Arizona High Court
13. Who is the new Chief Minister of Mizoram?
  - a) Mr. Lalduhoma
  - b) Mr. Zoramthanga
  - c) Mr. Lal Thanhawla
  - d) Mr. Laldenga
14. Who was recently appointed Prime Minister of New Zealand?

- a) Mr. Christopher Luxon  
b) Mr. Chris Hipkins  
c) Mr. Winston Peters  
d) Mr. Jacinda Ardern
15. Who has been selected for Kendra Sahitya Akademy award in Odia Literature for 2023?  
a) Sri Yasodhara Mishra  
b) Sri Ashutosh Parida  
c) Sri Hrushikesh Mallick  
d) Smt. Paramita Satpathy
16. Who is India's Ambassador To USA?  
a) Shri Navtej Sarna  
b) Shri S. Jaishankar  
c) Shri Taranjit Singh Sandhu  
d) Shri Harsh Vardhan Shringala
17. Who is the Chief Minister of Telangana ?  
a) Shri K Srihari  
b) Shri A Revanth Reddy  
c) Shri K Chandrasekhar Rao  
d) Shri B. Vikramarka Mallu
18. What does BSKY stand for?  
a) Biju Swasthya Kalyan Yojna  
b) Biju Swachh Kalyan Yojana  
c) Biju Samast Kalyan Yojana  
d) Biju Sangeet Kalyan Yojana
19. Who is Mr. Rahul Narwekar?  
a) Speaker of Maharashtra  
b) Deputy Chief Minister of Maharashtra  
c) Governor of Maharashtra  
d) Home Minister of Maharashtra
20. Director of FBI visited India in December 2023 and met CBI & NIA Chief, among others. Name the present Director of FBI.  
a) J. Edgar Hoover  
b) Christopher A. Wray  
c) James B Comey  
d) Robert S. Muller
21. What is AMA Bank?  
a) Banking Services in all Grama Panchayats in Odisha  
b) Name of a new Private Sector Bank  
c) Name of a new Public Sector Bank  
d) None of the above
22. Who has been named person of Year-2023 by "Time" magazine?  
a) Mr. Joe Biden  
b) Mr. Taylor Swift  
c) Mr. Narendra Modi  
d) Mr. Vladimir Putin
23. As in January-2023 which among the following countries does not allow Visa free travel to Indians?  
a) Sri Lanka  
b) Malaysia  
c) Iran  
d) Myanmar
24. First world Odia Language conference is scheduled to be held from Feb. 3 to Feb. 5, 2024 in Bhubaneswar. What is the Tagline of its Logo?  
a) Language is the future  
b) Promote Mother tongue  
c) Promote Odia Language  
d) Peace through Language
25. Where was Kalinga Super Cup held in Jan-2024?  
a) Kalinga Stadium, Bhubaneswar  
b) Barabati Stadium, Cuttack  
c) National Stadium, New Delhi  
d) Rabindra Sarobar Stadium, Kolkata
26. Who was recently sworn in as Prime Minister of France?  
a) Mr. Laurent Fabius  
b) Mr. Gabriel Attal  
c) Mr. Elisabeth Borne  
d) Mr. Jean Castex
27. What is the name of satellite launched in space by ISRO recently for observing sun?  
a) Aditya-L1  
b) Aditya-M1  
c) Chandrayan-3  
d) EOS-7
28. According to IMD, with respect to India, which of the following statements is true about Year 2023 (reference 1901-2023)) in terms of heat?  
a) Warmest year on record  
b) Second warmest year on record

- c) Coldest year on record
- d) Second coldest year on record

29. Which film was awarded golden peacock at 54<sup>th</sup> International Film Festival of India?

- a) I have electric Dreams
- b) Endless Borders
- c) Ring Wandering
- d) Into the Darkness

30. Who received Satyajit Roy Lifetime achievement Award at 54<sup>th</sup> International Film Festival of India?

- a) Michael Douglas
- b) Carlos Saura
- c) Istvan Szabo
- d) Martin Scorsese

31. Which country has moved International Court of Justice (ICJ) against Israel alleging Gaza operations amount to genocide?

- a) India
- b) South Africa
- c) Jordan
- d) Saudi Arab

32. Which city emerged at top in Swachha Bharat Ranking, 2023?

- a) Indore
- b) Bhubaneswar
- c) Navi Mumbai
- d) Bhopal

33. On which day is Netaji Subash Chandra Bose Jayanti observed?

- a) January 23
- b) January 22
- c) January 24
- d) January 25

34. Where was the Annual meeting of World Economic Forum conducted from 15<sup>th</sup> -19<sup>th</sup> January, 2024?

- a) Doha
- b) Dubai
- c) Davos
- d) Denver

35. Lanjia Saura paintings, which recently got GI tag, belong to which state?

- a) West Bengal

- b) Odisha
- c) Jharkhand
- d) Bihar

### **Computer Fundamental and Internet Awareness**

36. In MS-WORD, Ctrl + Q is used to:

- a) Remove Paragraph formatting (Line Space and Paragraph Space)
- b) Close Word Application without saving Document
- c) Print Whole Document without confirmation
- d) Does nothing

37. In MS-WORD, Short cut Ctrl + F is used to:

- a) Open Find and Replace Dialog box with activating Find Tab
- b) Open Page Setup Dialog box with activating Layout Tab
- c) Open Font Dialog Box with activating Font tab
- d) Open File Save as Dialog box

38. Which of the following options is used to create a numbered list in MS Word?

- a) Ctrl + N
- b) Ctrl + I
- c) Ctrl + U
- d) Ctrl + Shift + L

39. Which of the following options is used to undo the last action in MS Word?

- a) Ctrl + Z
- b) Ctrl + Y
- c) Ctrl + X
- d) Ctrl + U

40. Which ribbon tab contains the options for changing the paragraph line spacing in MS Word?

- a) Home
- b) Insert
- c) Page Layout
- d) References

41. What is the function of the Thesaurus feature in MS Word?

- a) To translate text into different languages
- b) To find synonyms and antonyms of words

- c) To change font styles
- d) To create hyperlinks

42. How can you break the current column and start a new column immediately in MS-Word?

- a) Press Ctrl + Shift + Enter
- b) Press Alt + Enter
- c) Press Ctrl + Enter
- d) Press Alt + Shift + Enter

43. A user wishes to remove a spreadsheet from a workbook. Which is the correct sequence of events that will do this?

- a) Go to File-Save As – Save As Type – Excel worksheet
- b) Right click on the spreadsheet tab and select DELETE
- c) Right click on the spreadsheet and select Insert – Entire Column
- d) None of the above

44. What is represented by the small, black square in the lower-right corner of an active cell or range in MS-Excel?

- a) Copy handle
- b) File handle
- c) Insert handle
- d) Border

45. When a row of data is to be converted into columns in MS-Excel:

- a) Copy the cells in row, select the same number of cells in row and paste
- b) Copy the cells in column then choose Edit >> Paste Special, then click Transpose and OK
- c) Copy the cells then go to Format >> Cells then on Alignment tab click Transpose check box and click OK
- d) Select the cells then place the cell pointer on new cell and choose Edit >> Paste Special, mark Transpose check box and click OK

46. In MS Excel, to hold row and column titles in places so that they do not scroll when you scroll a worksheet, click the-

- a) Unfreeze panes command on the window menu
- b) Freeze panes command on the window

menu

- c) Hold titles command on the edit menu
- d) Split command on the window menu

47. Which tool will you use to join some cells and place the content at the middle of joined cell in MS Excel?

- a) From Format Cells dialog box click on Merge Cells check box
- b) From Format Cells dialog box select the Centered alignment
- c) From Format Cells dialog box choose Merge and Center check box
- d) Click on Merge and Center tool on formatting toolbar

48. In MS-Excel, Long text can be broken down into many lines within a cell. You can do this through:

- a) Wrap Text in Format > Cells
- b) Justify in Edit > Cells
- c) Text Wrapping in Format > Cells
- d) All of the above

49. The first cell in EXCEL worksheet is labelled as:

- a) AA
- b) A1
- c) Aa
- d) A0

50. Which of the cell pointer indicate that you can move the content to another cell in EXCEL?

- a) Doctor's symbol (Big Plus)
- b) Small thin plus icon
- c) Mouse Pointer with anchor at the tip
- d) None of the above

51. In Microsoft PowerPoint to preview a motion path effect using the custom animation task pane, you should—

- a) click the play button
- b) click the show effect button
- c) double click the motion path
- d) all of the above

52. Which is the menu command to recolor a picture on a slide in Microsoft PowerPoint?

- a) Insert -> Picture -> Recolor
- b) Tools -> Picture -> Recolor

- c) Format -> Picture -> Recolor
- d) Edit -> Picture -> Recolor

53. Which command will you use in PowerPoint if you need to change the color of different objects without changing content?

- a) Design Template
- b) Color Scheme
- c) Font Color
- d) Object Color

54. In Microsoft PowerPoint to edit an already inserted embedded organization chart object:

- a) Double Click on the organization chart object
- b) CTRL + Click on the organization chart object
- c) SHIFT + Click on the organization chart object
- d) None of the above

55. How to change the order of Slides in Presentation?

- a) On Slide Sorter View click on the Soft Slides
- b) On Slide Sorter View click on the slide and drag to required position
- c) On Slide Thumbnail view click on the slide and drag to required position
- d) Slides order cannot be changed once it created

56. How to show the same presentation continuously in Microsoft PowerPoint?

- a) by enabling the option "Loop continuously until 'Esc'"
- b) by enabling the option "Repeat Presentation"
- c) by enabling the option "Show same Presentation"
- d) Presentation cannot be continue once it finished

57. Which of the following feature allows you to select more than one slide in slide sorter view in Microsoft PowerPoint?

- a) Alt + Click each slide
- b) Shift + drag each slide
- c) Shift + Click each slide
- d) Ctrl + Click each slide

58. In MS-Access Cascade delete option-

- a) is used to delete all the records of all tables in a database
- b) will repeat the recent delete operation to all the records of current table
- c) is available in Edit relationship dialog box which makes sure that all the related records will be deleted automatically when the record from parent table is deleted
- d) None of above

59. What happens when you release mouse pointer after you drop the primary key of a table into foreign key of another table?

- a) A relationship is created
- b) Edit relationship dialog box appears
- c) Error occurs
- d) Nothing happens

60. How can you define a field so that when entering data for that field it will display \*\*\*\*\* instead of actual typed text in MS-Access?

- a) Input mask
- b) Validation Rule
- c) Indexed
- d) IME Mode

61. A cookie:

- a) Stores information about the user's web activity
- b) Stores software developed by the user
- c) Stores the password of the user
- d) Stores the commands used by the user

62. In MS-Access to create relationship between two tables:

- a) drag the primary key of a table into foreign key of another table
- b) drag the foreign key of a table into the primary key of another table
- c) drag any field from parent table and drop on child table
- d) Any of above can be done to create relationship

63. Which of the following is used to summarize data in a table in Microsoft Access?

- a) Report
- b) Form
- c) Query
- d) Table Design View

64. Which of the following is used to create a pivot table in Microsoft Access?

- a) Pivot Table Wizard
- b) Pivot Table Design View
- c) SQL View
- d) All of the above

65. Two tables can be linked with relationship so that the data integrity can be enforced.

Where can you find Relationship Command?

- a) Home Tab
- b) Create Tab
- c) External Data Tab
- d) Database Tab

66. A network that is connected to the Internet, but uses encryption to scramble all the data sent through the internet is called

- a) My network
- b) Virtual Private Network
- c) Social Network
- d) Internet Service Provider

67. DNS stands for

- a) Domain Name Signal
- b) Domain Name System
- c) Domain Name Server
- d) Domain Number System

68. In a browser, the URL of the current page is displayed at

- a) Toolbar
- b) Address bar
- c) Title bar
- d) Menu bar

69. What is BCC in email?

- a) Block content creation
- b) Behind Content Copy
- c) Blind Carbon Copy
- d) None of these

70. The following message is displayed on the browser, while trying to access a URL

Server; Error 403

The reason for the message is:

- a) The requested HTML file is not available
- b) The URL refers to a CGI script and the header of the script does not indicate where the interpreter is located
- c) The path to the interpreter of the script file is invalid

- d) The requested HTML file or CGI script has insufficient permission

### Arithmetic

71. The largest 4 digit number exactly divisible by 88 is:

- a) 9944
- b) 9768
- c) 9988
- d) 8888

72. The difference of two numbers is 1365. On dividing the larger number by the smaller, we get 6 as quotient and the 15 as remainder. What is the smaller number?

- a) 240
- b) 270
- c) 295
- d) 360

73.  $107 \times 107 + 93 \times 93 = ?$

- a) 19578
- b) 19418
- c) 20098
- d) 21908

74. If one-third of one-fourth of a number is 15, then three-tenth of that number is:

- a) 35
- b) 36
- c) 45
- d) 54

75. Which one of the following can't be the square of natural number?

- a) 30976
- b) 75625
- c) 28561
- d) 143642

76. The square root of 64009 is:

- a) 253
- b) 347
- c) 363
- d) 803

77. Five bells begin to toll together and toll respectively at intervals of 6, 5, 7, 10 and 12 seconds. How many times will they toll together in one hour excluding the one at the start?

- a) 7 times
- b) 8 times

- c) 9 times
- d) 11 times

78. If  $2994 \div 14.5 = 172$ , then  $29.94 \div 1.45 = ?$

- a) 0.172
- b) 1.72
- c) 17.2
- d) 172

79. A train 240 m long passes a pole in 24 seconds. How long will it take to pass a platform 650 m long?

- a) 65 sec
- b) 89 sec
- c) 100 sec
- d) 150 sec

80. A boat running downstream covers a distance of 16 km in 2 hours while for covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water?

- a) 4 km/hr
- b) 6 km/hr
- c) 8 km/hr
- d) Data inadequate

81. In a 100 m race, Ajay beats Bijay by 10 m and Sujoy by 13 m. In a race of 180 m, Bijay will beat Sujoy by:

- a) 5.4 m
- b) 4.5 m
- c) 5 m
- d) 6 m

82. At 3:40, the hour hand and the minute hand of a clock form an angle of:

- a)  $120^\circ$
- b)  $125^\circ$
- c)  $130^\circ$
- d)  $135^\circ$

83. The ratio of the number of boys and girls in a college is 7:8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?

- a) 8 : 9
- b) 17 : 18
- c) 21 : 22
- d) Cannot be determined

84. Anand and Binod started a partnership business investing some amount in the ratio of 3:5. Chaitanya joined them after six months with an amount equal to that of Binod. In what proportion should the profit at the end of one year be distributed among Anand, Binod and Chaitanya?

- a) 3 : 5 : 2
- b) 3 : 5 : 5
- c) 6 : 10 : 5
- d) Data inadequate

85. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:

- a) 2700
- b) 2900
- c) 3000
- d) 3100

86. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500?

- a) Rs. 4991
- b) Rs. 5991
- c) Rs. 6001
- d) Rs. 6991

87. There is 60% increase in an amount in 6 years at simple interest. What will be the compound interest of Rs. 12,000 after 3 years at the same rate?

- a) Rs. 2160
- b) Rs. 3120
- c) Rs. 3972
- d) Rs. 6240

88. A shopkeeper earns a profit of 25% on selling a microwave at 15% discount on the Printed Price. Find the ratio of the Printed Price and Cost Price of the Microwave.

- a) 17:25
- b) 25:27
- c) 27:25
- d) 25:17

89. If 6 men and 8 boys can do a piece of work in 10 days while 26 men and 48 boys

can do the same in 2 days, the time taken by 15 men and 20 boys in doing the same type of work will be:

- a) 4 days
- b) 5 days
- c) 6 days
- d) 7 days

90. Two pipes A and B together can fill a cistern in 4 hours. Had they been opened separately, then B would have taken 6 hours more than A to fill the cistern. How much time will be taken by A to fill the cistern separately?

- a) 1 hour
- b) 2 hours
- c) 6 hours
- d) 8 hours

91. A is 3 years older to B and 3 years younger to C, while B and D are twins. How many years older is C compared to D?

- a) 2
- b) 3
- c) 6
- d) 12

92. A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be:

- a) 22
- b) 23
- c) 24
- d) 26

93. On dividing a number by 68, we get 269 as quotient and 0 as remainder. On dividing the same number by 67, what will the remainder?

- a) 0
- b) 1
- c) 2
- d) 3

94. Two tailors Ahmed and Saddam are paid a total of Rs. 550 per week by their employer. If Ahmed is paid 120 percent of the sum paid to Saddam, how much is Saddam paid per week?

- a) Rs. 200
- b) Rs. 250
- c) Rs. 300

d) None of these

95. The average monthly income of P and Q is Rs. 5050. The average monthly income of Q and R is Rs. 6250 and the average monthly income of P and R is Rs. 5200. The monthly income of P is:

- a) 3500
- b) 4000
- c) 4050
- d) 5000

### Data Interpretation

(Q.96-98) The following table shows the percentage profit (%) earned by two companies A and B during the years 2011-2015. Answer the questions based on the data contained in the table.

Profit Earned by Two Companies		
Year	Percentage profit %	
	A	B
2011	20	30
2012	35	40
2013	45	35
2014	40	50
2015	25	35

96. If the total expenditure of two companies was Rs 9 Lakh in the year 2012 and the expenditure of A and B were in the ratio 2:1, then what was the income of the company A in that year?

- a) Rs. 9.2 Lakh
- b) Rs. 8.1 Lakh
- c) Rs 7.2 Lakh
- d) Rs. 6.0 Lakh

97. What is the average percentage profit earned by the company B?

- a) 35%
- b) 42%
- c) 38%
- d) 40%

98. In which year, the percentage profit earned by the company B is less than that of company A?

- a) 2012
- b) 2013
- c) 2014
- d) 2015

(Q. 99-101) Answer following questions based on the data contained in the table.

Sales Revenue (Rs. in Lakh)				
Items /Years	2012	2013	2014	2015
Journals	46	47	45	44
Magazines	31	39	46	51
Books	73	77	78	78
Total	150	163	169	173

99. In 2015, approximately what percent of total revenue came from books?

- a) 45%
- b) 55%
- c) 35%
- d) 25%

100. The number of years in which there was an increase in revenue from at least two categories of items, is:

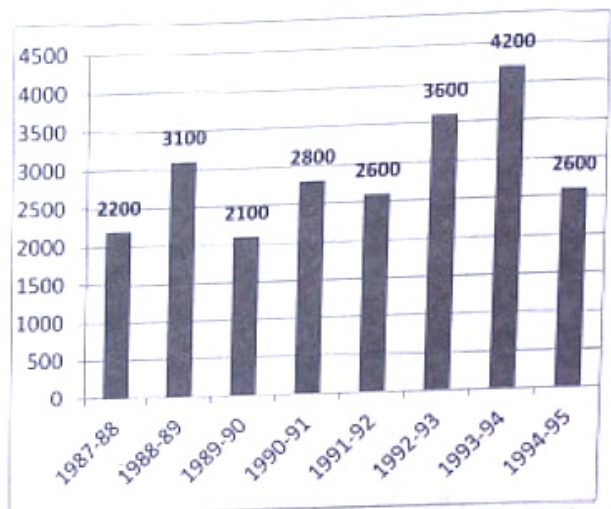
- a) 0
- b) 1
- c) 2
- d) 3

101. If the year 2016 shows the same growth in terms of total sales revenue as the year 2015 over the year 2014, then the revenue in the year 2016 must be approximately:

- a) Rs. 194 Lakh
- b) Rs. 187 Lakh
- c) Rs. 172 Lakh
- d) Rs. 177 Lakh

(Q. 102-106) Read the following graph and answer the questions.

Trade Deficit of Country (in Rs. Crore)



102. The deficit in 1993-94 was roughly how many times the deficit in 1990-91?

- a) 1.4
- b) 1.5
- c) 2.5
- d) 0.5

103. Percentage increase in deficit in 1993-94 as compare to deficit in 1989-90 was:

- a) 200
- b) 150
- c) 100
- d) 2100

104. In which of the following years, the percent increase of deficit was highest over its preceding year?

- a) 1992-93
- b) 1990-91
- c) 1993-94
- d) 1988-89

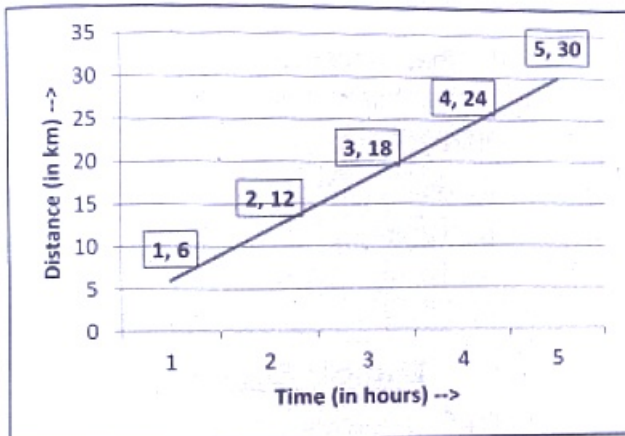
105. The ratio of the number of years, in which the trade deficit is above the average deficit, to those years in which the trade deficit is below the average deficit is:

- a) 3:5
- b) 5:3
- c) 4:4
- d) 3:4

106. The deficit in 1992-93 was approximately how many percent of the average deficit?

- a) 150
- b) 140
- c) 124
- d) 40

(Q. 107-110) The graph given here shows a car following the linear path with uniform speed. Study the graph and answer the questions.



107. The speed of the car is:

- a) 12 km/h
- b) 6 km/h
- c) 18 km/h
- d) 24 km/h

108. The speed of the car (in m/min) is:

- a) 60
- b) 100
- c) 600
- d) 1000

109. The distance travelled by the car in 4.5 hour is:

- a) 27 km
- b) 30 km

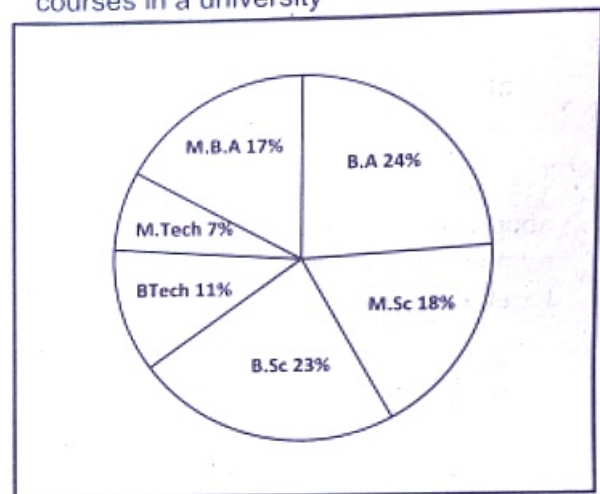
- c) 36 km
- d) 40 km

110. The car covers a distance of 15 km in:

- a) 3 h
- b) 2 h
- c) 1.5 h
- d) 2.5 h

(Q. 111-115) Read the following pie chart carefully and answer the following questions.

Percent wise distribution of students in six courses in a university



Total number of Students=11200

111. Number of students in B.Tech course is approximately, what percent more than the number of students in M.Tech course?

- a) 57%
- b) 43%
- c) 149%
- d) 143%

112. If 25% of the total number of students in B.A course is girls, then the number of boys in B.A course is exactly equal to the number of students of which course?

- a) M.Sc
- b) B. Sc
- c) B. Tech
- d) M.B.A

113. What is the difference between the total number of students in M.Sc, B.Tech and M.B.A together and the total number of students in B.Sc, M.Tech and B.A together?

- a) 874
- b) 896
- c) 884
- d) 894

114. What is the average number of students in B.Tech, M.Tech and B.A course together?

- a) 1648
- b) 1542
- c) 1568
- d) 1668

115. Number of students in M.B.A course is approximately, what percent of the total number of students in M.Sc and B.Sc together?

- a) 54%
- b) 48%
- c) 41%
- d) 46%

(Q. 116-120) Study the following information carefully to answer the questions.

In a school having 400 students, boys and girls are in the ratio of 3:5. The students speak Hindi, English or both the languages. 12% of boys speak only Hindi, 22% of the girls speak only English, 24% of the total students speak only Hindi and the number of boys speaking both the languages is Six times the number of boys speaking only Hindi.

116. How many boys speak Hindi?

- a) 18
- b) 126
- c) 108
- d) 26

117. How many girls speak only Hindi?

- a) 55

- b) 117
- c) 96
- d) 78

118. How many students speak English?

- a) 304
- b) 79
- c) 225
- d) 117

119. The number of girls speaking only Hindi is what percent of total number of students speaking only Hindi?

- a) 38.2%
- b) 71.8%
- c) 81.25%
- d) 78%

120. What is the ratio of the number of boys to the number of girls speaking both the languages?

- a) 23:25
- b) 12:25
- c) 12:13
- d) 25:13

### Logical Reasoning

121. Five boys A, B, C, D and E are standing in a row, D is on the right of E. B is on the left of E, but on the right of A, B is on the immediate left of C, who is standing in the middle?

- a) B
- b) C
- c) D
- d) E

122. A, B, C and D are playing cards. A and C and B and D are partners. D is to the right of C. The face of C is towards west. Find the direction that D is facing.

- a) West
- b) East
- c) South
- d) North

123. If it was Saturday on December 17, 1899, then what will be the day on December 22, 1901?

- a) Friday
- b) Saturday
- c) Sunday
- d) Monday

124. Which of the following is a leap year?

- a) 2800
- b) 1800
- c) 2600
- d) 3000

125. The missing number in the series 40, 120, 60, 180, 90, ?, 135 is

- a) 110
- b) 270
- c) 105
- d) 210

126. If in a certain code language 'MIGHT' is written as 'GHMTI' then how will 'EARTH' is written in that code?

- a) RTEHA
- b) RTEAM
- c) RTAEH
- d) RETHA

127. In the given code, SISTER is coded as 535301, UNCLE as 84670 and Boy as 129. How is RUSTIC written in that code?

- a) 633185
- b) 185336
- c) 363815
- d) 581363

128. Given that in a code language, '645' means 'day is warm', '43' means 'warm spring' and '638' means 'spring is sunny', which digit represents 'sunny'?

- a) 8
- b) 2
- c) 4
- d) 5

129. A girl introduced a boy as the son of the only daughter of the father of her

maternal uncle. The boy is related to the girl as

- a) Brother
- b) Uncle
- c) Nephew
- d) Son

130. Ashok started walking towards North. After walking 30m, he turned towards left and walked 40m. He then turned left and walked 30m. He again turned left and walked 50m. How far is he from his original position?

- a) 10 m
- b) 40 m
- c) 30 m
- d) 20 m

131. A boat moves from a jetty towards East. After sailing for 9 nautical miles, turns towards right and covers another 12 NM. If the boat wants to go back to the jetty, what is the shortest distance now from her present position?

- a) 21 NM
- b) 20 NM
- c) 18 NM
- d) 15 NM

132. Six persons A, B, C, D, E and F are standing in a circle. B is between F and C, A is between E and D, F is to the left of D. who is between A and F?

- a) B
- b) C
- c) D
- d) E

133. Replace the question mark (?) in the following series with suitable option.

- C-3, E-5, G-7, I-9, ?, ?
- a) M-18, K-14
  - b) K-11, M-13
  - c) X-24, M-21
  - d) O-15, X-24

134. Choose the odd word in the group.

- a) Peacock
- b) Vulture
- c) Sparrow
- d) Swan

135. A person walks towards his house at 8:00 am and observes his shadow to his right. In which direction he is walking?

- a) North
- b) South
- c) East
- d) West

136. If the proposition 'All thieves are poor' is false, which of the following propositions can be claimed certainly to be true?

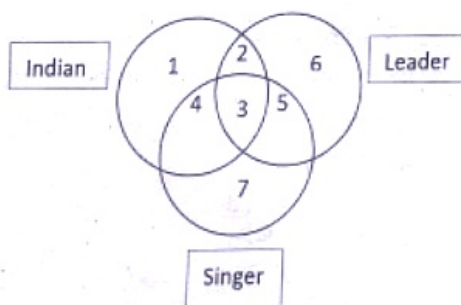
Propositions:

- a) Some thieves are poor
- b) Some thieves are not poor
- c) No thief is poor
- d) No poor person is a thief

137. What will be the angle between hour hand and minute hand, if clock shows 8:30 PM?

- a)  $90^\circ$
- b)  $75^\circ$
- c)  $60^\circ$
- d)  $85^\circ$

138. In the following figure given numbers indicate Indian, leader and singer. Study the figure carefully. Which region among them denotes Indian leaders who are not singers. Indicate that number.



- a) 2
- b) 3
- c) 4
- d) 5

139. If A means '+', B means '-', C means 'x', then find the value of following equation.

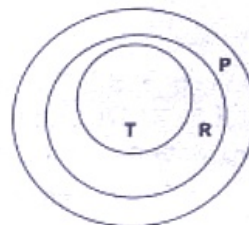
$$46A2B3C4=?$$

- a) 34
- b) 23
- c) 17
- d) 11

140. Which of the following expressions will be true, if the given expression  $K \geq G > H \leq F$  is definitely true?

- a)  $F \geq K$
- b)  $H < K$
- c)  $F < G$
- d)  $K \geq H$

141. Which of the following is correct about the given diagram?



- a) All R are T
- b) All P are T
- c) All T are P
- d) All P are R

142. Which year will have the same calendar as that of 2012?

- a) 2020
- b) 2040
- c) 2025
- d) 2031

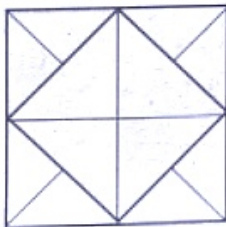
143. What was the day of the week on 4<sup>th</sup> June, 2022?

- a) Tuesday
- b) Monday
- c) Friday
- d) Saturday

144. A, B, C, D and E belong to five different cities P, Q, R, S and T (not necessarily in that order). Each one of them comes from a different city. Further it is given that

- I. B and C do not belong to Q
  - II. B and E do not belong to P and R
  - III. A and C do not belong to R, S and T
  - IV. D and E do not belong to Q and T
- Which one of the following statements is not correct?
- a) C belongs to P
  - b) D belongs to R
  - c) A belongs to Q
  - d) B belongs to S

145. How many triangles are there in the following figure?



- a) 16
- b) 20
- c) 12
- d) 22

146. One writes all numbers from 50 to 99 without the digits 2 and 7. How many numbers have been written?

- a) 32
- b) 36
- c) 40
- d) 38

147. If  $B=2$ ,  $BAG=10$ , then  $BOX=?$

- a) 36
- b) 39
- c) 41
- d) 52

148. 12 monkeys can eat 12 bananas in 12 minutes. In how many minutes can 4 monkeys eat 4 bananas?

- a) 10 min
- b) 4 min
- c) 8 min
- d) 12 min

149. In a post office, stamps of three different denominations of Rs 7, Rs 8 and Rs 10 are available. The exact amount for which one cannot buy stamps is

- a) Rs 19
- b) Rs 20
- c) Rs 23
- d) Rs 29

150. Five children take part in a tournament. Each one has to play every other one. How many games must they play?

- a) 8
- b) 10
- c) 24
- d) 30