OSSC
CHSL

Previous Year Paper
21 Jul, 2024

DSM-2024

Question Booklet Code: **D**

Question Booklet Series No: 101196

Time Allowed: **120 Minutes**   Total Questions: **150**   Maximum Marks: **150**

There shall be negative marking **@ 0.25 mark** 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 your 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 candid is found to be in possession of any of the above, he / she shall be expelled from the examinat 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 information so furnished by you is incomplete or different from what you have given in 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.

SEAL

Logical Reasoning

1. The cost of 5 pens and 12 pencils is Rs.45. What would be the cost of 20 pens and 48 pencils?
   a) Rs.180
   b) Rs.210
   c) Rs.135
   d) Rs.235

2. If the minute hand of a clock points towards the South at 12:00AM, then in which direction will the minute hand point at 3:00AM in the same clock?
   a) North
   b) South
   c) East
   d) West

3. Select the number that can replace the question mark (?) in the following series:

   45, 63, 101, 160, 241, ?

   a) 305
   b) 345
   c) 319
   d) 398

4. A book has 300 pages and each page has 20 lines of 10 words each. How many words are there in the book altogether?
   a) 6000
   b) 60000
   c) 66000
   d) 600000

5. Fill the blank in **P21 : J28 :: G19_____** from the options given below.
   a) H17
   b) A26
   c) K21
   d) N 16

Directions(Ques No.s 6-10) In each of the following questions select the related number from the given alternatives.

6.   **8 : 256 :: ?**

   a) 7 : 343
   b) 9 : 243
   c) 10 : 500
   d) 5 : 75

7.   **21 : 3 :: 574 : ?**
   a) 23
   b) 82
   c) 97
   d) 113

8.   **121 : 12 :: 25 : ?**
   a) 1
   b) 2
   c) 6
   d) 7

9.   **AEI : OUA :: IEA : ?**
   a) AOU
   b) AUO
   c) EOU
   d) EUO

10.   **MAN : PDQ :: WAN : ?**
   a) YDQ
   b) ZDQ
   c) NAW
   d) YQD

Directions(Ques No.s 11-15) Read the following information carefully and answer the questions based on it.

A family consists of 6 members A,B,C,D,E,F. There are two married couples. B is a doctor and the father of E. F is the grandfather of C and is a contractor. D is the grandmother of E and is a housewife. There is one doctor, one contractor, one nurse, one housewife and two students in the family.

11. What is the profession of A?
   a) Doctor
   b) Contractor
   c) Nurse
   d) Housewife

12. Who is the husband of A?
   a) F
   b) D
   c) B
   d) E

13. How is A related to C?
   a) Father
   b) Sister

c) Brother
d) Mother

14. How is B related to F?
   a) Daughter
   b) Grandson
   c) Son
   d) Wife

15. Which of the following pairs is one of the married couples?
   a) BE
   b) EC
   c) FE
   d) FD

16. In a family, mother's age is twice that of daughter's age. Father is 10 years older than mother. Brother is 20 years younger than his mother and 5 years older than his sister. What is the age of the father?
   a) 62 years
   b) 60 years
   c) 58 years
   d) 55 years

17. A man is engaged for planting trees for 10 hours. He plants 10 trees in an hour. He takes rest for 30 minutes after every hour. How many trees does he plant in 10 hours?
   a) 100
   b) 50
   c) 70
   d) 45

Directions(Ques No. 18-20) In the following questions a word is followed by four other words, one of which cannot be formed by using the letters of the given word. Find this word.

18. **STANDARDIZATION:**
   a) RADIATION
   b) RADIO
   c) STANDING
   d) DISTANT

19. **DEPARTMENT:**
   a) PART
   b) TREAT
   c) MATURE
   d) TAME

20. **HISTORICAL:**
   a) RICHES
   b) CHARIOT
   c) CHART
   d) CHAOS

21. In a row of girls, Kamla is 9th from the left and Veena is 16th from the right. If they interchange their positions, Kamla becomes 25th from the left. How many girls are there in the row?
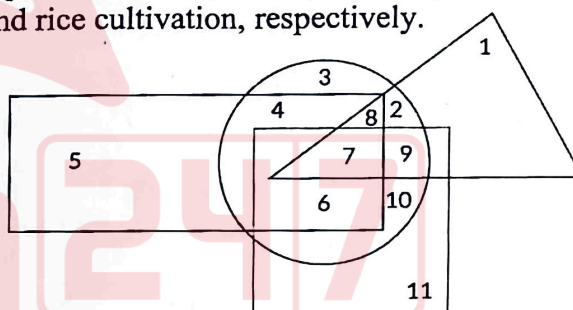   a) 34
   b) 36
   c) 40
   d) 41

22. Pointing to a photograph, Dinesh said "His father is the only son of my mother". The photograph belongs to:
   a) Dinesh's son
   b) Dinesh
   c) Dinesh's brother
   d) Dinesh's father

Directions(Ques.No.23-25) In the figure, rectangle, square, circle, and triangle represent the regions of wheat,gram, maize, and rice cultivation, respectively.

23. On the basis of the above figure, in which area are all the four crops cultivated ?
   a) 2
   b) 7
   c) 8
   d) 9

24. In which area Gram, Rice and Maize are cultivated but not Wheat?
   a) 7
   b) 8
   c) 10
   d) 9

25. In Which of the following areas more than one crops are cultivated?

a) 3
b) 11
c) 5
d) 6

26. Some words are translated from an artificial language as follows.

(i) "agnoscrenia" means poisonous spider.

(ii) "delanocrenia" means poisonous snake.

(iii) "agnosdeery" means brown spider.

Which word from the options given below could mean **"black poisonous spider"** ?
a) deeryclostagnos
b) agnosdelano
c) agnosvitriblunin
d) creniamuttiagnos

27. Find the missing character in the table from the options given below.

4C	2B	3A
28A	?	45B
7C	5A	15B

a) 7C
b) 13A
c) 10C
d) 15A

28. Find the missing term in the sequence from the following options:
U32, V29,___, X23, Y20
a) W17
b) Z26
c) W26
d) Z17

29. If in a certain code, **FIRE** is coded as **DGPC**, then what is last letter of the coded word for **SHOT** ?
a) Q
b) R
c) S
d) P

30. Consider the following statements and conclusions.
Statements:
(a) Some parrots are owls.
(b) All owls are pigeons.
(c) All pigeons are snakes.

Conclusions:
I. Some parrots are pigeons.
II. Some pigeons are parrots.
III. All owls are snakes.

Choose the correct option.
a) Only I, III follow.
b) Only II, III follow.
c) Only I, II follow.
d) All I, II, III follow.

Computer and Internet Awareness

31. Which of the following data types in Access can store images, videos, or other binary data?
a) Text
b) Memo
c) Hyperlink
d) OLE Object

32. In Access, what does the term "Normalization" refer to?
a) Organizing data into tables to reduce redundancy and dependency.
b) Arranging data in alphabetical order.
c) Securing the database from unauthorized access.
d) Creating backup copies of the database.

33. Which operation in Access allows you to define relationships between tables?
a) Append
b) Join
c) Link
d) Relationship

34. Which email feature allows you to mark certain senders as safe so that their emails are not filtered into the spam folder?
a) Junk Filter
b) Safe Sender List
c) Spam Guard
d) Email Filter

35. What does the acronym "MIME" stand for in the context of email?
a) Mail Internet Message Encoding
b) Multimedia Internet Mail Extensions
c) Message Internet Mail Exchange
d) Mail Interchange Message Encoding

36. Which email security feature encrypts the content of an email message to protect it from being read by unauthorized parties?
   a) Digital Signature
   b) Spam Filter
   c) Encryption
   d) Virus Scanner

37. Which email protocol is considered more suitable for users who need to access their emails from multiple devices and maintain synchronization?
   a) SMTP
   b) POP3
   c) IMAP
   d) HTTPS

38. What is the purpose of an "Out of Office" autoresponder in email?
   a) To automatically forward incoming emails to another address.
   b) To automatically reply to incoming emails with a predefined message when the recipient is away.
   c) To encrypt outgoing emails for enhanced security.
   d) To automatically delete incoming spam emails.

39. Which email feature allows you to recall or retract an email message that has already been sent?
   a) Email Revoke
   b) Recall Message
   c) Message Retraction
   d) Email Recall

40. Which email protocol is used for retrieving emails from a mail server to a local client and typically downloads messages to the client device?
   a) SMTP
   b) IMAP
   c) POP3
   d) HTTP

41. Which of the following keyboard shortcuts in MS-Word is used to insert a non-breaking space?
   a) Ctrl + Space
   b) Ctrl + Shift + Space
   c) Ctrl + Alt + Space
   d) Alt + Space

42. In MS-Word, what does the 'Show/Hide' button on the Home tab primarily do?
   a) Displays non-printing characters like spaces and paragraph marks.
   b) Shows hidden comments and annotations.
   c) Highlights text with tracked changes.
   d) Reveals document properties and statistics.

43. Which ribbon tab in MS-Word contains the option to create and manage styles?
   a) Home
   b) Insert
   c) Design
   d) References

44. Which view in MS-Word is used primarily for entering and editing text?
   a) Print Layout
   b) Outline
   c) Draft
   d) Web Layout

45. How can you check the spelling and grammar of your document in MS-Word?
   a) Press F7
   b) Press F9
   c) Press F5
   d) Press F8

46. How can you format a cell as currency with two decimal places in Excel?
   a) Home > Currency
   b) Insert > Currency
   c) Format > Cells > Currency
   d) Data > Currency

47. What is the function of the Excel function =SUBTOTAL(9, C2)?
   a) Returns the average of values in cells C2 to C10.
   b) Returns the maximum value in cells C2 to C10.
   c) Returns the sum of values in cells C2 to C10, including filtered values.
   d) Returns the count of non-empty cells in cells C2 to C10.

48. How can you create a data validation rule in Excel to restrict input to whole numbers between 1 and 10?
   a) Data > Data Validation > Whole Number > Between 1 and 10
   b) Home > Data Validation > Whole Number > Between 1 and 10
   c) Review > Data Validation > Whole Number> Between 1 and 10
   d) Insert > Data Validation > Whole Number > Between 1 and 10

63. Who has been selected to be the next Secretary General of NATO with effect from 2nd Oct 2024?
    a) Mark Rutte
    b) Jens Stoltenberg
    c) Jaap De Hoop Scheffer
    d) Anders Fogh Rasmussen

64. Who attended the swearing in of the Indian Prime Minister on 9thJune 2024,on behalf of Srilankan Govt. ?
    a) President Ranil Wickremsinghe
    b) President Gotabaya Rajapaksa
    c) President Mahinda Rajapaksa
    d) President Maithripala Sirisena

65. Who attended the swearing in of the Indian Prime Minister on 9thJune 2024, on behalf of Bangladesh Govt. ?
    a) Prime Minister Sheikh Hasina
    b) President Mohammad Shahabuddin
    c) Foreign Minister Mohammed Hassan Mohammed
    d) President Mohammad Abdul Hamid

66. With which country's Coast Guard did China's Navy/Coast Guard clash in South China sea in June 2024?
    a) Vietnam
    b) Philippines
    c) Malaysia
    d) Taiwan

67. Which country was Soccer star Jamal Musiala born in and represents?
    a) Germany
    b) France
    c) U.K
    d) Morocco

68. Who is the Cabinet Minister of Department of Tourism of Odisha Government?
    a) Smt. Pravati Parida
    b) Shri Suresh Pujari
    c) Shri Rabinarayan Naik
    d) Shri Nityananda Gond

69. Who is the Cabinet Minister of Department of Works of Odisha Government ?
    a) Shri Krushna Chandra Patra
    b) Shri Prithiviraj Harichandan
    c) Dr. Mukesh Mahaling
    d) Shri Bibhuti Bhusan Jena

70. Who is the captain of India's Men's hockey team to Paris Olympics 2024?
    a) Harmanpreet Singh
    b) Amit Rohidas
    c) Hardik Singh
    d) Manpreet Singh

71. Who is the Cabinet Minister in Union Govt. in charge of Ministry of Heavy Industries?
    a) Shri Pralhad Joshi
    b) Shri Piyush Goyal
    c) Shri Manohar Lal
    d) Shri H.D Kumaraswamy

72. Who is the Cabinet Minister in Union Govt. in charge of Ministry of Tribal Affairs?
    a) Dr. Mansukh Mandaviya
    b) Shri Jual Oram
    c) Smt. Annapurna Devi
    d) Shri Kiren Rijiju

73. National Commission for protection of Child Rights is:
    a) A Constitutional Body
    b) A Statutory Body
    c) A Regulatory Body
    d) A Private Body

74. Which of the following wildlife sanctuaries is being developed as India's second home for Cheetah?
    a) Gandhisagar Wildlife sanctuary, Madhya Pradesh
    b) Chinnar Wildlife sanctuary, Kerala
    c) Simlipal Wildlife sanctuary, Odisha
    d) Orchha Wildlife sanctuary, Madhya Pradesh

75. Who was appointed as the Pro-tem speaker of 18th Lok Sabha by the President of India ?
    a) Virendra Kumar
    b) Bhartruhari Mahtab
    c) Kodikunnil Suresh
    d) Om Birla

76. Who was appointed as the Pro-tem speaker of 17th Odisha Legislative Assembly by the Governor of Odisha ?
    a) Ranendra Pratap Swain
    b) Surama Padhy
    c) Pramila Mallik
    d) Prasanna Acharya

49. How can you sort data in Excel based on multiple criteria?
    a) Data > Sort > Multiple Criteria
    b) Home > Sort > Multiple Criteria
    c) Review > Sort > Multiple Criteria
    d) Insert > Sort > Multiple Criteria

50. How can you create a data table in Excel to analyze multiple scenarios?
    a) Data > What-If Analysis > Data Table
    b) Home > What-If Analysis > Data Table
    c) Review > What-If Analysis > Data Table
    d) Insert > What-If Analysis > Data Table

51. In PowerPoint, which feature allows you to set the order and timing of slide transitions during a slideshow?
    a) Slide Master
    b) Animations
    c) Transitions
    d) Design Ideas

52. In PowerPoint, what does the 'Presenter View' option allow you to do during a slideshow?
    a) View and manage presentation notes on one screen while showing slides on another.
    b) Create custom slide layouts and designs.
    c) Print handouts of the presentation slides.
    d) Record narration for each slide.

53. Which PowerPoint view is used to design individual slides and adjust their layout?
    a) Slide Sorter
    b) Slide Master
    c) Normal View
    d) Reading View

54. In PowerPoint, what does the 'Presenter View' show on the presenter's screen during a slideshow?
    a) Full-screen display of slides without any additional information.
    b) Speaker notes and upcoming slide previews.
    c) Slide thumbnails for quick navigation.
    d) Options to control animation timings and transitions.

55. Which PowerPoint feature allows you to create custom slide layouts with placeholders for text, images and other content?
    a) Slide Master
    b) Slide Show
    c) Design Ideas
    d) Transitions

Current Events

56. Which of the following in not a stock market index of India?
    a) Sensex
    b) Nifty
    c) Bank nifty
    d) Dow Zones

57. What is India VIS Index?
    a) An index of Volatility in stock market.
    b) A new index of Large Cap stock
    c) A new index of Small Cap and Mid Cap Stocks
    d) An index of air pollution in India

58. The Vice President of Malawi died in an Air crash recently. What was his name ?
    a) Saulos Klaus Chilima
    b) Michale Bizwick Usi
    c) Lazarus Chakwera
    d) Khumbo Kachali

59. Who took over as the Prime Minister of Russia in May 2024?
    a) Vladimir Putin
    b) Mikhail Mishustin
    c) Dmitry Medvedev
    d) Andrey Belousov

60. Where did the Antarctic Parliament (ACTM 46) meet in May 2024?
    a) Stockholm
    b) Helsinki
    c) Kochi
    d) Tamso

61. Name the woman who did the fastest ascent of Mount Everest?
    a) Arunima Sinha
    b) Bachendri Pal
    c) Lhapka Sherpa
    d) Phunjo Lama

62. Shri P.Thankappan Nair died recently. In which field did he earn his fame?
    a) Writing Travelogue
    b) Writing Poetry
    c) Writing Novels
    d) History writing

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77. Who is the Chairman of High Level Committee constituted by Govt. of India for exam reforms and reforms at National Testing Agency?
   a) Dr. K Radhakrishnan
   b) Prof. M. Jagadesh Kumar
   c) Dr. Randeep Guleria
   d) Prof. K Ramamurthy

78. "The Resolve Tibet Act" was recently in news. Which country has passed the Act?
   a) China
   b) India
   c) USA
   d) U.K

79. City of Ruidoso was in news due to deadly wildfires. Which country is Ruidoso located in?
   a) Argentina
   b) Mexico
   c) Cuba
   d) Guatemala

80. Who has been appointed the next Chief of Army Staff of India (w.e.f. 30th June 2024)?
   a) Lt. General Upendra Dwivedi
   b) Lt. General Ajay Kumar Singh
   c) Lt. General Ram Chander Tiwari
   d) Lt. General M.V Suchindra Kumar

81. World Junior Chess Championship was held in GandhiNagar in June 2024. Who won the title in Girls category?
   a) Divya Desmukh
   b) Candela Francisco
   c) Govhar Beydullayeva
   d) Mariam Mkrtchyan

82. Lachung was recently in news due to road blockages caused by heavy rainfall and landslides. It is located in:
   a) Arunachal Pradesh
   b) Sikkim
   c) Assam
   d) West Bengal

83. Semaglutide is often heard in news. It is associated with:
   a) Antibiotics
   b) Rare fossil
   c) Diabetes and weight-loss drug
   d) Asteroid

84. Sundhnukagigar volcano was recently in news due to eruptions leading to evacuations of the small fishing town of Grindavik. The volcano is located in:
   a) USA
   b) Philippines
   c) Italy
   d) Iceland

85. India's "All We Imagine As Light", was recently seen in news because:
   a) It won the 'Best Global Music Album award' at the 66th Annual Grammy Awards in Los Angeles.
   b) It won the Golden Peacock at the 55th International Film Festival of India.
   c) It won the Grand Prix prize at the Cannes Film Festival
   d) It made history as the first book by an Indian author to receive the International Booker Prize.

86. Vivekananda Rock was recently in news. It is located in:
   a) Pithoragarh
   b) Ladakh
   c) Kanyakumari
   d) Hyderabad

87. Who is the present World Chess Champion, whom D.Gukesh will play for world title?
   a) Ding Liren
   b) Magnus Carlsen
   c) Vladimir Kramnik
   d) Viswanathan Anand

88. Who won the Championship in T20 World Cup held in June 2024?
   a) India
   b) Afghanistan
   c) England
   d) South Africa

89. When did Sensex cross 78,000 mark for the first time?
   a) In June 2024
   b) Never
   c) In March 2024
   d) In January 2024

90. Who is the Cabinet Minister in Union Govt. in charge of Ministry of Fisheries, Animal Husbandry and Dairying?

a) Shri Jitan Ram Manjhi
b) Shri Rajiv Ranjan Singh alias Lalan Singh
c) Smt. Annapurna Devi
d) Shri Bhupender Yadav

Arithmetic

91. The purchase price of an article is 20% less than the profit made. What would be the profit, if the selling price is Rs.360 ?
   a) Rs.160
   b) Rs.180
   c) Rs.200
   d) Rs.240

92. Three pipes P1, P2, P3 can fill a tank in 50 minutes,120 minutes & 60 minutes, respectively. If all the pipes are opened together, how much time will it take to fill 27% of the tank?
   a) 10 minutes.
   b) 6 minutes.
   c) 4 minutes.
   d) 2 minutes.

93. A group of 5 men or 12 women can do a task in 78 days. How much time is required by 5 men and 12 women to complete the task ?
   a) 39 days.
   b) 36 days.
   c) 29 days.
   d) 26 days.

94. A train running at 120 km/hr crosses a pole in 9 seconds. What is the length of the train?
   a) 240 meters.
   b) 270 meters.
   c) 300 meters.
   d) 320 meters.

95. A mixture contains milk and water in the ratio 5 : 9. When 5 liters of water is added, the ratio changes to 5 : 11. What is the quantity of milk in the initial mixture?
   a) 11 liters
   b) 11.5 liters
   c) 12 liters
   d) 12.5 liters

96. 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 polled was 7,500, then what is the number of valid votes in favour of the other candidate ?

a) 2,500
b) 2,700
c) 2,900
d) 3,100

97. The speed of a boat upstream is 20 km/hr. If the speed of the stream is 3 km/hr, then what is the speed of the boat downstream ?
   a) 26 km/hr.
   b) 25 km/hr.
   c) 23 km/hr.
   d) 22 km/hr.

98. The selling price of 5 shares is equal to the cost price of 3 shares. What is the profit or loss percentage ?
   a) 40% loss
   b) 40% profit
   c) 20% loss
   d) 20% profit

99. P and Q invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and P's share is Rs.855, then what is the total profit ?
   a) 500
   b) 1000
   c) 1500
   d) 2000

100. Two numbers are respectively 20% and 50% more than a third number. What is the ratio of these two numbers ?
   a) 2 : 5
   b) 3 : 5
   c) 4 : 5
   d) 5 : 4

101. A triangle and a parallelogram are constructed on the same base such that their areas are equal. If the altitude of the parallelogram is 50 cm, then what will be the altitude of the triangle ?
   a) 50 cm
   b) 100 cm
   c) 110 cm
   d) 125 cm

102. Travelling at $\frac{1}{6}$ th of his usual speed, a man is late by 30 minutes. What will be the usual time taken by the man to cover the same distance?
   a) 5 minutes.
   b) 5.25 minutes.
   c) 5.50 minutes.
   d) 6 minutes.

103. A mixture containing 50% of milk is mixed with another mixture containing x% of milk in equal proportions. If the mixture so formed contains 45% of milk, then what is the value of x ?
   a) 40
   b) 30
   c) 20
   d) 10

104. What is the average of first 37 natural numbers?
   a) 19
   b) 21
   c) 23
   d) 27

105. If the side of an equilateral triangle is doubled, then by how many times is its area increased ?
   a) 2
   b) 4
   c) 8
   d) 16

106. At what rate of compound interest per annum will a sum of Rs.1,200 becomes Rs.1,348.32 in 2 years ?
   a) 6%
   b) 6.5%
   c) 7%
   d) 7.5%

107. A tank can be filled in 10 hours. After a leak in its bottom, it takes 12 hours to fill the tank. What would be the time required by the leak to empty the full tank ?
   a) 45 hours
   b) 50 hours
   c) 55 hours
   d) 60 hours

108. A clock is set at 4 AM. It loses 16 minutes in 24 hours. What will be the correct time,when the clock indicates 9 PM on the 4th day ?
   a) 11 PM
   b) 10 PM
   c) 9 PM
   d) 8 PM

109. What is the value of $(25.732)^2 - (15.732)^2$?
   a) 414.64
   b) 414.52
   c) 414.256
   d) 414.128

110. The value of $(256)^{0.16} \times (256)^{0.09}$ is:
   a) 64
   b) 16
   c) 8
   d) 4

111. Let x : y = 4 : 7 and y : z = 9 : 7. If x = 72, then what is the value of z ?
   a) 98
   b) 77
   c) 63
   d) 49

112. What is 90% of 90% ?
   a) 18%
   b) 81%
   c) 60%
   d) 63%

113. The average of Sohan's marks in 6 subjects is 74. If his average in 5 subjects excluding science is 70, then how many marks has he obtained in science ?
   a) 94
   b) 92
   c) 90
   d) 88

114. If the total ages of Iqbal and Shikhar is 12 years more than the total age of Shikhar and Charu, then Charu is how many years younger than Iqbal ?
   a) 11 years
   b) 12 years
   c) 14 years
   d) 15 years

115. A father is twice as old as his daughter. If 20 years ago the age of the father was 10 times the age of the daughter, then what is the present age of the father ?
   a) 22 years
   b) 32 years
   c) 37 years
   d) 45 years

116. If Suresh borrows Rs.36,000 from Mahesh at the rate of 6% simple interest, then what is the total amount that Suresh has to pay at the end of 4 years ?
   a) Rs.42,960
   b) Rs.33,560
   c) Rs.43,960
   d) Rs.44,640

117. What is the interest on Rs.2,500 for 2 years at rate of 4% compound interest per annum ?

a) Rs.180
b) Rs.195
c) Rs.204
d) Rs.210

118. P, Q and R are partners. They have invested Rs.35,000, Rs.25,000 & Rs.10,000 respectively for the same period. If the total profit is Rs.18,000, then what is the profit share of P?
a) Rs.9,500
b) Rs.9,000
c) Rs.8,500
d) Rs.8,000

119. A pipe can fill a tank in 6 hours and another pipe can empty the tank in 12 hours. If both the pipes are opened at the same time, then in how many hours the tank can be filled?
a) 6 hours
b) 10 hours
c) 12 hours
d) 14 hours

120. A shopkeeper sold an article for Rs.2,500. If the cost price of the article is Rs.2,000, then what is the profit percent?
a) 29%
b) 28%
c) 26%
d) 25%

121. A running man crosses a bridge of length 500 meters in 4 minutes. At what speed the man was running?
a) 9.5 km/hour
b) 8.5 km/hour
c) 7.5 km/hour
d) 6.5 km/hour

122. A train moving at a speed of 90 kmph crosses a pole in 6 seconds. What is the length of the train?
a) 150 meters.
b) 165 meters.
c) 170 meters.
d) 175 meters

123. P, Q, R can do a job in 10, 20 and 40 days, respectively. In how many days P can complete the job, if he is assisted by Q and R on every third day?
a) 9 days
b) 8 days
c) 7 days
d) 6 days

124. A 20 litres of mixture contains 30% alcohol and 70% water. If 5 litres of water is added to the mixture, then what will be the percentage of alcohol in the new mixture?
a) 22%
b) 23%
c) 24%
d) 25%

125. A man rows downstream at 20 km/hr and rows upstream at 15 km/hr. At what speed can he row in still water?
a) 17.5 km/hr
b) 18 km/hr
c) 20.5 km/hr
d) 22 km/hr

Data Interpretation

Directions (Ques. Nos.126-130): Consider the following table and answer the questions based on the data given in the table.

Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years.

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	9

126. What is the average amount of interest on loans per annum which the company had to pay during the period (1998 to 2002)?
a) Rs.32.43 lakhs
b) Rs.33.72 lakhs
c) Rs.34.18 lakhs
d) Rs.36.66 lakhs

127. The total amount of bonus paid by the company during the given period is approximately what percentage of the total amount of salary paid during this period?
a) 0.75%
b) 1.0%

136. What is the total number of employees in all the departments together ?
   a) 3310
   b) 3260
   c) 3140
   d) 3020

137. What is the ratio of the number of females in Production department to the number of females in Marketing department ?
   a) 22 : 23
   b) 23 : 22
   c) 33 : 35
   d) 35 : 33

138. What is the total number of males in the IT and Customer service departments together ?
   a) 678
   b) 687
   c) 768
   d) 786

139. What is the ratio of the number of females in the HR and Accounts departments together to the number of males in the HR and Accounts departments together ?
   a) 319 : 268
   b) 311 : 269
   c) 269 : 311
   d) 268 : 319

140. The total number of employees in the HR department forms approximately what percentage of the total number of employees in the Accounts department ?
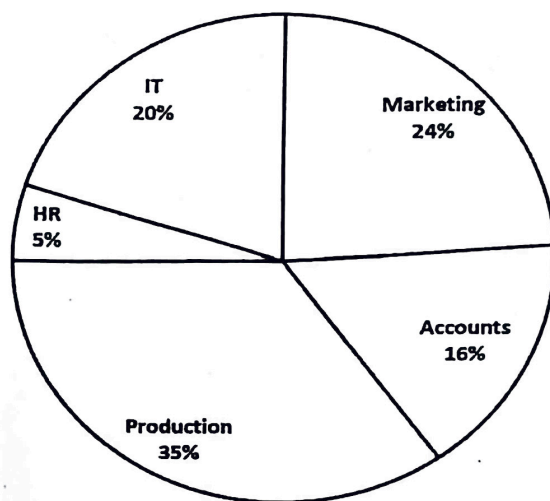   a) 164%
   b) 157%
   c) 149%
   d) 137%

Directions (Ques. Nos. 141-145): Study the pie-chart and the table given and answer the questions that follow.
Total number of employees = 800.
Details of the percentage of employees working in various departments in an organisation and number of males among them is given.

Department	No. of Males
Production	245
HR	12
IT	74
Marketing	165
Accounts	93

141. What is the percentage of females working in IT department compared to the total number of employees working in the organization?
   a) 10.25%
   b) 10.75%
   c) 12.25%
   d) 15.75%

142. The ratio of the number of females working in HR department to the total number of employees working in the HR department is:
   a) 5 : 11
   b) 6 : 17
   c) 7 : 10
   d) 8 : 19

143. What is the ratio of number of males in the marketing departments to the number of females working in that department ?
   a) 25 : 9
   b) 52 : 7
   c) 45 : 7
   d) 55 : 9

144. The percentage of the number of male employees working in the Accounts departments to the total number of employees working in the same department is (approximately):
   a) 16%
   b) 55%
   c) 45%
   d) 81%

145. How many female employees are there in the organization?
   a) 254
   b) 251

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c) 1.25%
d) 1.5%

128. Total expenditure on all these items in 1998 was approximately what percentage of the total expenditure on all these items in 2002 ?
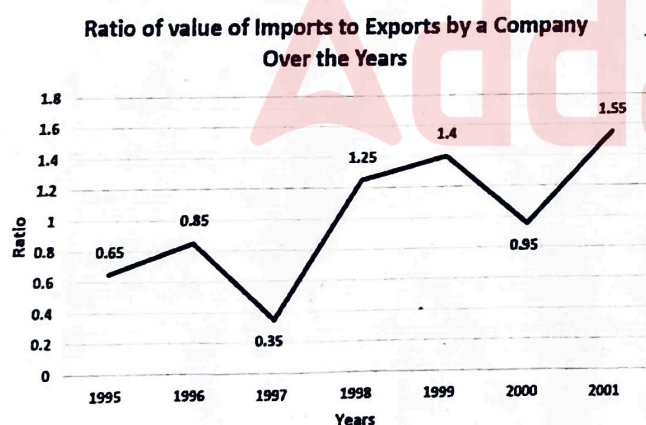a) 62%
b) 66%
c) 69%
d) 79%

129. What is the total expenditure of the company over all these items during the year 2000 ?
a) Rs.544.44 lakhs
b) Rs.501.11 lakhs
c) Rs.446.46 lakhs
d) Rs.478.87 lakhs

130. What is the difference between the total expenditure on Fuel and Transport for all the years and the total expenditure on Taxes for all the years (in Lakh Rupees) ?
a) 224
b) 124
c) 348
d) 242

Directions(Ques.Nos.131-135): The following line graph gives the ratio of the amounts of imports by a company to the amount of exports from that company over the period from 1995 to 2001.

Ratio of value of Imports to Exports by a Company Over the Years

On the basis of the data given in the line graph, answer the questions given below.

131. If the imports in 1998 was Rs.250 crores and the total exports in the years 1998 and 1999 taken together was Rs.500 crores, then what was the imports in 1999?

a) Rs.250 crores
b) Rs.300 crores
c) Rs.357 crores
d) Rs.420 crores

132. In which year, the ratio of imports to exports of the company was the least?
a) 1995
b) 1996
c) 1997
d) 2000

133. What was the percentage increase in imports from 1997 to 1998 ?
a) 72
b) 56
c) 28
d) Data is not adequate

134. If the imports of the company in 1996 was Rs. 272 crores, then how much was the exports from the company in 1996 ?
a) Rs.370 crores
b) Rs.320 crores
c) Rs.280 crores
d) Rs.275 crores

135. In how many of the given years were the exports more than the imports ?
a) 1
b) 2
c) 3
d) 4

Directions (Ques. Nos.136-140): Study the table given below and answer the questionsthat follow:

Total Number of Employees in different Departments of an Organization and Percentage of Females and Males.

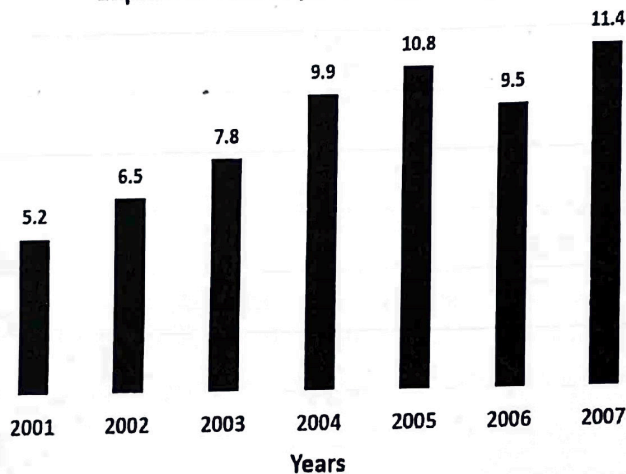| Department	Total number of employees	% of Females	% of Males
IT	840	45	55
Accounts	220	35	65
Production	900	23	77
HR	360	65	35
Marketing	450	44	56
Customer Service	540	40	60

c) 345

d) 233

Directions (Ques. Nos. 146-150): On the basis of the data given in the bar-graph, answer the questions given below.

Export of Pearls (In Crores of Rupees)

146. In how many years was the export above average for the given period ?
   a) 4 years.
   b) 3 years.
   c) 6 years.
   d) 2 years.

147. What was the percentage increase in export from 2006 to 2007 ?
   a) $16\frac{2}{3}\%$
   b) 19 %
   c) 20 %
   d) $33\frac{1}{3}\%$

148. What was the average export of pearls for the given period (in Rs.crores) ?
   a) Rs.7.73 crores.
   b) Rs.8.73 crores.
   c) Rs.8.85 crores.
   d) Rs.9.73 crores.

149. In which of the following pairs of years was the average export of pearls around Rs.9 crores ?
   a) 2005 and 2006
   b) 2004 and 2005
   c) 2003 and 2004
   d) 2002 and 2003

150. What is the ratio of export of pearls in 2004 to that in 2005?
   a) 9:11
   b) 11:12
   c) 11:13
   d) 12:17