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OSSC
(CTSRE)
Previous Year Paper
Prelims
18 May, 2025

LOGICAL REASONING AND ANALYTICAL ABILITY, GENERAL MENTAL ABILITY

1. In the Asian Games, the flags of six countries were arranged on top of pillars in the following way:

   The flag of India was to the left of China's and to the right of the flag of South Korea. The flag of Japan was to the right of the China flag but to the left of the flag of Sri Lanka, which was to the left of the flag of Thailand.

   Find the two flags that are in the centre.

   a) India & Japan
   b) India & China
   c) Sri Lanka & Japan
   d) China & Japan

2. Find the odd letters from the given options.
   a) ABYZ
   b) CDWX
   c) EFUV
   d) GHTV

3. The age of five sisters Indira, Lalita, Ananya, Navya & Parineeta are compared. Lalita is elder than Ananya but younger than Indira. Navya is the eldest. Ananya is not the youngest. Who is the second eldest sister?
   a) Ananya
   b) Indira
   c) Parineeta
   d) Lalita

4. Fill the gap in the series by choosing the correct alternative.
   $DEF, DEF_2, DE_2F_2,$ _____, $D_2E_2F_3$

   a) DEF_3
   b) $D_2E_2F_2$
   c) D_3EF_3
   d) D_2E_3F

5. In a certain code language, "BACK" is written as "YEXP" and "MIXTURE" is written as "NOCGAII". How will "FROGS" be written in that language?
   a) VIVTH
   b) UILTG
   c) UIUTH
   d) UULTG

6. Which one set of letters when sequentially placed at the gaps in the given letter series:
   c _ bbb _ _ abbbb _ abbb _ shall complete it?

   a) aabcb
   b) abccb
   c) abacb
   d) baabb

7. Pointing towards a man Srisikta said, "He is brother of mother of my son." How that man is related to Srisikta's husband?
   a) Brother – in – law
   b) Son
   c) Nephew
   d) Maternal Uncle

8. Which number will fill the blank in the series: 7, 26, 63, 124, 215, 342, ____?
   a) 391
   b) 421
   c) 481
   d) 511

9. Early morning after sunrise, Rajesh was standing in front of his house in such a way that his shadow is falling exactly behind him. He starts walking straight and walks 5 meters. He turns to his left and walks 3 meters and again turning to his left walks 2 meters. Now, in which direction is he from the starting point?
   a) North
   b) North-East
   c) South
   d) North-West

10. Five men A, B, C, D and E read a newspaper. The one who reads first gives it to C. The one who reads last had taken from A. E was not the first or last to read. There were two readers between B and A. Then B passed the newspaper to whom?
    a) A
    b) C
    c) D
    d) E

11. Seven executives P, Q, R, S, T, U and W reach office in a particular sequence. U reaches immediately before P, but does not immediately follow S. R is the last one to reach office. T follows immediately after P and is subsequently followed by W. Then among these executives, who reaches the office first ?
    a) Q
    b) T
    c) S
    d) U

12. Consider the following information.
    (I) Madhu and Shobha are good in Dramatics and Computer Science.
    (II) Anjali and Madhu are good in Computer Science and Physics.
    (III) Anjali, Poonam and Nisha are good in Physics and History.
    (IV) Nisha and Anjali are good in Physics and Mathematics.
    (V) Poonam and Shobha are good in History and Dramatics.

    Select who is good in Computer Science, History and Dramatics from the following options ?
    a) Anjali
    b) Madhu
    c) Shobha
    d) Nisha

13. Consider the following statements followed by two conclusions.

    Statement: Jade plant has thick leaves and it requires little water.

    Conclusions:
    (I) All plants with thick leaves require little water.
    (II) Jade plants may be grown in places where water is not in abundance.
    a) Only conclusion (I) follows
    b) Only conclusion (II) follows
    c) Neither (I) nor (II) follows
    d) Both (I) and (II) follow

14. Fill the blank by choosing the correct alternative from the following options.
    CMM, EOO, GQQ, _____, KUU
    a) ITT
    b) GSS
    c) GRR
    d) ISS

15. Consider the following statements.
    Statements:
    (I) There has been a considerable increase in the sale of fat free food items.
    (II) Now, people have become more conscious about their health condition and food habits.

    Based on these two statements, choose the correct option given below.

    a) Statement (I) is the cause and statement (II) is its effect.
    b) Statement (II) is the cause and statement (I) is effect.
    c) Both the statements (I) and (II) are effects of independent causes.
    d) Both the statements (I) and (II) are effects of some common cause.

16. Consider the following statement followed by two assumptions.
    Statement: "I have not received telephone bills for nine months in spite of several complaints.:–A telephone customer's letter to the editor of a daily.

    Assumptions:
    (I) Every customer has a right to get bills regularly from the telephone company.
    (II) The customer's complaints are to point out the defect in the services, which is expected to be corrected.
    Pick out which of the above assumption(s) is implicit in the statement.
    a) Only assumption (I) is implicit.
    b) Only assumption (II) is implicit.
    c) Both the assumptions (I) and (II) are implicit.
    d) Neither assumption (I) nor (II) is implicit.

17. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.
    16 : 263 :: 18 : ? :: 22 : 491

a) 340
b) 331
c) 361
d) 317

18. Ankit is the father of Ketan. Riddhi and Siddhi are the daughters of Ruby, who is the only sister of Ketan. Anirban is the only son of Ketan and Bidya. How is Ankit related to Siddhi?
    a) Maternal Grandfather
    b) Paternal Uncle
    c) Paternal Grandfather
    d) Maternal Uncle

19. IF '+' means '÷', '×' means '-', '÷' means '+' and '-' means '×', then what will come in place of the question mark (?) in the following equation?
    $91 + 13 - 8 \times 37 \div 44 = ?$
    a) 51
    b) 59
    c) 67
    d) 63

20. If 28 February 2015 was Saturday, then what was the day of the week on 28 February 2021?
    a) Sunday
    b) Thursday
    c) Friday
    d) Saturday

21. In the following question, a word is followed by four other words, one of which cannot be formed by using the letters of the given word. Find the word.
    PSEUDONYM

    a) PENDULUM
    b) DOES
    c) SON
    d) POSE

22. If the $T > H > K > L$ and $V < K > Z = B$, then which of the following conclusions is NOT correct?
    a) $V < T$
    b) $K = B$
    c) $H > Z$
    d) $T > L$

23. Select the related number from the given options to fill the blank.
    BORE : 10 :: HOTEL : _____ ? .
    a) 12
    b) 15
    c) 18
    d) 30

24. Nutan, Bibhu, Hassan, Siddharth, Priyanka & Joseph are sitting in a straight line, all facing the north. Bibhu is fourth to the left of Nutan. Priyanka is sitting at one corner. Hassan is fourth to the left of Priyanka. Joseph is third to the right of Bibhu. Who is sitting at the second place to the left of Joseph?
    a) Siddharth
    b) Priyanka
    c) Hassan
    d) Nutan

25. In a certain code language, if 'dish is tasty' is written as 'lam kam dam', 'it is sweet' is written as 'ram sam kam', and 'it ate dish' is written as 'ram dam pam', then how would 'tasty sweet' be written in this language?
    a) sam kam
    b) lam sam
    c) sam dam
    d) None of the above

26. At the time of sunset, Merry and Jolly are sitting facing each other. If the shadow of Merry falls to the right of Jolly, in which direction is Jolly facing?
    a) North
    b) West
    c) South
    d) East

27. Aparupa remembers that the football match is after 19th July but before 22nd July, while Suresh remembers that the football match is before 25th July but after 20th July. On which date of July is the football match?
    a) 20
    b) 21

c) 22

d) 19

28. (I) Reshma is older than Ravi.

(II) Pulak is older than Reshma.

(III) Ravi is older than Pulak.

If the first two statements are true, the third statement is:

a) True

b) False

c) Uncertain

d) None of the above

Pulk > Reshma > Ravi

29. If the words are organized in reverse order of what they appear in dictionary. Which word will come in third place?

4 a) Ordeum

3 b) Odium

9 c) Occultist

2 d) Odious

30. If 50 minutes ago, it was 45 minutes past four o'clock, how many minutes is it until six o' clock?

a) 15

b) 45

c) 25

d) 35

CURRENT EVENTS OF NATIONAL AND INTERNATIONAL IMPORTANCE

31. A terrorist attack killed 26 persons in Kashmir in April 2025. Name the place where the heinous attack took place.

a) Gulmarg

b) Pahalgam

c) Srinagar

d) Sonmarg

32. At 14 years and 32 days, he became the youngest centurian in Men's T20. Name him.

a) Yashasvi Jaiswal

b) Vaibhav Suryavanshi

c) Uday Saharan

d) Musheer Khan

33. Which among the following was made a National Park recently (April 2025)?

a) Similipal

b) Bhitarkanika

c) Nandankanan

d) Debrigarh

34. Pope Francis died on 21st April 2025. He was the first:

a) Latin American Pope

b) Asian Pope

c) African Pope

d) Australian Pope

35. Which two epics of India have been recognized by UNESCO recently and added to UNESCO's memory of the world register?

a) Buddhacharita & Panchatantra

b) Ramayana & Mahabharata

c) Arthashastra & Ramcharitmanas

d) Bhagvad Gita & Natyashastra

36. Tropical cyclone 'Alfred' hit which country recently?

a) Japan

b) Myanmar

c) Australia

d) USA

37. Who won Women's Premier League(Cricket) 2025?

a) Mumbai Indians

b) Delhi Capitals

c) Gujrat Giants

d) Royal Challengers, Bangalore

38. Which exercise was conducted by Indian Air Force recently that drills with Rafales and Su-30s?

a) Indradhanush

b) Gaganshakti

c) Pralay Shayam

d) Aakraman

39. Which state launched India's First AI Pilot to monitor child growth being a landmark in public health innovation?
    a) Madhya Pradesh
    b) Odisha
    c) Himachal Pradesh
    d) Maharashtra

40. Shri K. Kasturirangan passed away in late April. In which field did he distinguish himself?
    a) Space
    b) Nuclear Energy
    c) Oceanography
    d) Music

41. Vice President of USA visited India in April 2025. Name him.
    a) Kamala Harris
    b) JD Vance
    c) Susie Wiles
    d) Mike Pence

42. Which Gram Panchayat of Odisha was felicitated by Prime Minister on National Panchayati Raj Diwas?
    a) Keluapalli GP
    b) Hatbadra GP
    c) Kusumi GP
    d) Kendrikela GP

43. Tahawwur Rana was extradited to India from USA on request of India. Which terrorist case is he alleged to be associated in?
    a) 26/11 Mumbai Attack
    b) Pulwama Attack , 2019
    c) Amarnath Yatra Attack , 2017
    d) Pathankot Attack , 2016

44. Who has recently been appointed as Chief Justice of India?
    a) Justice Shri B.R. Gavai
    b) Justice Shri Sanjiv Khanna
    c) Justice Shri D.Y. Chandrachud
    d) Justice Shri U.U. Lalit

45. 22 persons were killed in a Restaurant Fire in last week of April 2025. Where did this take place?
    a) Liaoyang City, China
    b) Istanbul, Turkey
    c) Sindh, Pakistan
    d) Laos, Nigeria

46. Recently, which two festivals of Odisha have been included in the National Heritage list by the Sangeet Natak Akademi, India's apex cultural body under the Union Ministry of Culture?
    a) Puri Rath Jatra & Chandan Jatra
    b) Cuttack Bali Jatra & Bargarh Dhanu Jatra
    c) Raja Parba & Nuakhai
    d) Cuttack Bali Jatra & Puri Rath Jatra

47. Who was recently appointed as Chief Information Commissioner of Odisha?
    a) Manoj Kumar Parida
    b) Pranabindu Acharya
    c) Kalpana Pattnaik
    d) Jagannath Rath

48. Who won Fide World Junior Chess Championship in March 2025 in Montenegro?
    a) Pranav Venkatesh
    b) D Gukesh
    c) Elham Amar
    d) Adar Tarhan

49. Who was recently honoured with Emily Dickinson Award for his/her book "Swirl & Still"?
    a) Paramita Satpathy
    b) Charudutta Panigrahi
    c) Gourahari Das
    d) Sitakant Mahapatra

50. 23-year-old record (India) in Women's long jump was broken recently when the woman athlete jumped 6.64 meters. Name the athlete .
    a) Shaili Singh
    b) Reeth Abraham

c) Nayana James
d) Neena Varakil

51. Who has recently been sworn in as the Prime Minister of Canada ?

a) Justin Trudeau
b) Pierre Poilievre
c) Elizabeth May
d) Mark Carney

52. Recently (April 2025) Odisha government revised the minimum wage for unskilled, semi-skilled and skilled workers. What is the revised minimum wage of unskilled workers now?

a) 452
b) 462
c) 502
d) 512

53. Who is the Minister of State in charge of Ministry of Labour & Employment , Govt. of India ?

a) Shri Shantanu Thakur
b) Sushri Shobha Karandlaje
c) Shri Kirtivardhan Singh
d) Smt. Anupriya Singh Patel

54. Defence Minister of India had talks with US Director of National Intelligence recently. Name the US Director of Intelligence .

a) Tulsi Gabbard
b) Kash Patel
c) Lora Shiao
d) Stacey Dixon

55. Odisha sprinter Animesh Kujur set a new Men's 200m National Record in April 2025. What is the new record?

a) 20.52 second
b) 20.40 second
c) 20.01 second
d) 20.20 second

56. Two European countries were badly affected by power outrage in last week of April 2025. Name them from the following:

a) Denmark, Norway

b) Spain, Portugal
c) Austria, Germany
d) Italy, Switzerland

57. In Odisha Budget Estimate for 2025-26 , among the following departments which had the highest provision of funds ?

a) Health & Family Welfare Department
b) School & Mass Education Department
c) Panchayati Raj & Drinking Water Department
d) Department of Women & Child Development

58. Actor Manoj Kumar died recently. With what screen name was he frequently associated?

a) Raju
b) Bharat
c) Ravi
d) Vijay

59. The total expenditure in the Union budget of India 2025-26 is estimated to be :

a) 65.50 lakh crore
b) 50.56 lakh crore
c) 50.65 lakh crore
d) 65.56 lakh crore

60. Who is the present Governor of Haryana ?

a) Mr. Arif Mohammed Khan
b) Shri Acharya Devvrat
c) Shri Bandaru Dattatreya
d) Shri Gulab Chand Kataria

COMPUTER/INTERNET AWARENESS

61. Personal computers use a number of chips mounted on a main circuit board. What is the common name for such boards?

a) Kanban board
b) Motherboard
c) Firmware
d) Dashboard

62. Programs designed to perform specific tasks are known as:

a) System software
b) Application software

XOXO-ENG-C-7

c) Disk fragments
d) Operating system

63. The time during which a job is processed by the computer is:
a) Delay time
b) Real time
c) Execution time
d) Down time

64. An approach that permits the computer to work on several programs instead of one is:
a) Online thesaurus
b) Multiprogramming
c) Overlapped processing
d) Outline processor

65. The term Petabyte refers to:
a) 1024 terabytes
b) 1024 kilobytes
c) 1024 megabytes
d) 1024 gigabytes

66. The device that provides information, which is sent to the CPU is termed as:
a) Input
b) Output
c) Printer
d) Monitor

67. The computer code for interchange of information between terminals is:
a) ASCII
b) BCD
c) EBCDIC
d) All of the above

68. CAD stands for:
a) Computer Aided Design
b) Computer Algorithm for Design
c) Computer Application in Design
d) All of the above

69. Which of the following is required when more than one person use a central computer at the same time?
a) Terminal
b) Light pen
c) Digitizer
d) Mouse

70. Magnetic tapes can serve as:
a) Secondary storage media
b) Output media
c) Input media
d) All of the above

71. Which of the printers used in conjunction with computers use dry ink powder?
a) Daisy wheel printer
b) Line printer
c) Laser printer
d) Thermal printer

72. A 32-bit microprocessor has a word length equal to:
a) 2 byte
b) 32 byte
c) 4 byte
d) 8 byte

73. An error in computer data is called:
a) Chip
b) Bug
c) GPU
d) Bus

74. What is the "Internet"?
a) A hardware networking technique.
b) World Wide Web
c) Networks of networks
d) None of the above

75. The protocol used specifically for exchange of e-mails is:
a) SMTP
b) TCP
c) IP
d) None of the above

76. Firewalls are used to protect a communication network against:
a) Unauthorized attacks
b) Virus attacks
c) Hardware-driven attacks
d) Fire attacks

77. What type of telecommunication hardware allows you to access the web?
a) Browser
b) Modem

c) FTP protocol
d) IRC

78. Which of the following is an internet connection option?
   a) Dial-up connection
   b) Digital subscriber line
   c) Satellite
   d) All of the above

79. Which of the following is not related to information security on the internet?
   a) Data encryption
   b) Watermarking
   c) Data hiding
   d) Information retrieval

80. Which of the following is not a network device?
   a) Router
   b) Switch
   c) Hub
   d) BIOS

81. The protocol dealing with transfer of hypertext between two or more computers is:
   a) HTML
   b) FTP
   c) HTTP
   d) TCP

82. IRC stands for:
   a) Internet Related Chat
   b) Internet Relay Chat
   c) Internet Related Content
   d) None of the above

83. Which of these is not an internet browser?
   a) Netscape Navigator
   b) Chrome
   c) Megatron
   d) Opera

84. Which one of the following is a search engine?
   a) Macromedia
   b) Bing
   c) Netscape
   d) Macintosh

85. Telnet is :
   a) A telephone network
   b) A teller network
   c) Standard internet protocol for remote login
   d) Dialup program

86. Which programming language is used for web development?
   a) Algol
   b) Java
   c) HTML
   d) COBOL

87. What is phishing?
   a) A way to catch fish online
   b) A type of virus
   c) A method to extract user information through fake websites
   d) A software to scan email

88. Which of these is not a valid email domain?
   a) .com
   b) .edu
   c) .gov
   d) .www

89. Which unit is used to measure the speed of a processor?
   a) Hertz
   b) Byte
   c) Pixel
   d) Bit

90. Which file extension is typically associated with a webpage?
   a) .docx
   b) .html
   c) .exe
   d) .xls

ARITHMETIC

91. If 15% of S is same as 21% of T, then 12.5% of S is equal to what per cent of T?
   a) 20%
   b) 17.5%
   c) 12.5%
   d) 9.5%

92. What is the angle between the minute hand and the hour hand of a clock when the time is 8.30 A.M. ?
   a) 45°
   b) 60°
   c) 75°
   d) 80°

93. From a point on a circular track 5 km long, three people U, V and W started running in the same direction at the same time with speeds of $2\frac{1}{2}$ km/hour, 3 km/hour and 2 km/hour respectively. Then after how many hours, will they meet again at the starting point ?
   a) 4 hours
   b) 6 hours
   c) 10 hours
   d) 15 hours

94. $\frac{5}{9}$ th of a number is equal to 25% of the second number. The second number is $\frac{1}{4}$ th of the third number. If the value of the third number is 2960, then what is 30% of the first number ?
   a) 77.7
   b) 88.8
   c) 99.9
   d) 100

95. 4 bells ring at intervals of 30 minutes, 1 hour, 1 hour 30 minutes and 1 hour 45 minutes, respectively. If all the bells ring simultaneously at 12 noon, then they will again ring simultaneously at:
   a) 12 mid night
   b) 9 A.M. the next day
   c) 6 A.M. the next day
   d) 3 A.M. the next day

96. Akanksha purchased several numbers of three articles E, F and G in the proportion 3 : 2 : 3. If the unit costs of the articles E, F and G are Rs.200, Rs.90 and Rs.60 respectively, then how many articles of F must have been purchased in the total purchases of Rs.4, 800 ?
   a) 10
   b) 11
   c) 12
   d) 14

97. Tarang has two urns A and B. Both these urns have some pebbles. If 20 pebbles from urn B are shifted to urn A, then the number of pebbles in each urn become interchanged. But, if 10 pebbles from urn A are put into urn B, then number of pebbles in B is twice the number in A. How many pebbles do A and B have respectively?
   a) 50 and 70
   b) 60 and 40
   c) 70 and 90
   d) 80 and 100

98. It was intended to divide Rs.585 among C, D and E in the ratio of 4 : 3 : 2, but by mistake the distribution was made in the proportion of $\frac{1}{4} : \frac{1}{3} : \frac{1}{2}$. How much does E gain by this error?
   a) Rs.99
   b) Rs.126
   c) Rs.140
   d) Rs.152

99. The number 243 is divided into three parts in such a way that one third of the first part, one fourth of the second part and half of the third part are equal. Then what is the largest part ?
   a) 110
   b) 108
   c) 86
   d) 74

100. Abhinandan's initial expenditure and savings were in the ratio of 5 : 3. If his income increases by 25% and the initial savings were Rs.4,500, what is his income after the increment ?
   a) Rs.9, 000
   b) Rs.11, 000
   c) Rs.12, 000
   d) Rs.15, 000

101. In a race, Rupesh beats Paresh by 15 metres and Rajesh by 29 metres. If Paresh and Rajesh run over the course together and Paresh wins by 15 metres, then what is the length of the course?
   a) 235 metres
   b) 225 metres
   c) 190 metres
   d) 170 metres

102. There are 576 boys and 448 girls in a school. If they are to be divided into equal sections of either boys or girls alone, what would be the total number of sections?

    a) 16
    b) 20
    c) 24
    d) 30

103. A bird lover was asked how many birds he had in the basket. He replied that there were all robins but six, all sparrows but six, and all parrots but six. How many birds did he have in the basket in all ?

    a) 18
    b) 14
    c) 10
    d) 9

104. To write the number of pages in a book, the digit 1 is used exactly 136 times. Find the number of pages in the book.

    a) 220
    b) 208
    c) 195
    d) 192

105. After dividing a number successively by 3, 4 and 7, the remainders obtained are 2, 1 and 4 respectively. What will be the remainder, if the same number is divided by 84 ?

    a) 83
    b) 73
    c) 63
    d) 53

106. Average age of 8 persons of a team is 22.5 years, out which A is 4 years older to B. 2 years ago, the average age of team excluding the age of A and B was 20 years. What will be the ratio of the ages of A and B, respectively after 6 years from present?

    a) 7 : 6
    b) 9 : 8
    c) 7 : 8
    d) 8 : 7

107. A's income is $16\frac{2}{3}$ % less than that of C's, while B's income is Rs.400 more than that of A. If the average of A's and C's income is Rs.175 less than that of B's income, then the income of A is:

    a) Rs.2, 250
    b) Rs.2, 215
    c) Rs.2, 125
    d) Rs.2, 075

108. Nazim started his journey in the morning. At 11 A.M., he covered $\frac{3}{8}$ of his journey and on the same day at 4.30 P.M., he covered $\frac{5}{6}$ of the journey. At what time in the morning did he start his journey (assuming his speed as constant throughout)?

    a) 5.30 A.M.
    b) 6.00 A.M.
    c) 6.30 A.M.
    d) 7.00 A.M.

109. If 3 construction workers can do a work in 2 days and 4 factory workers can do the same work in 6 days, then in how many days will the same work be completed by 8 construction workers and 8 factory workers ?

    a) 2 days
    b) $1\frac{1}{2}$ days
    c) $\frac{3}{4}$ days
    d) $\frac{3}{5}$ days

110. Bidusmita sees a thief at a distance of 80 meters. She starts chasing the thief who ran at a speed of 5 meters/second. If she chased him with a speed of 7 meters/second, then how much distance does the thief covers before Bidusmita catches him?

    a) 200 meters
    b) 130 meters
    c) 100 meters
    d) 95 meters

111. The monthly incomes of Madhu, Hari and Sita are in the ratio 2 : 9 : 3 and their expenses are in the ratio 3 : 9 : 5. If Madhu's saving is half of his total income, then savings of Madhu, Hari and Sita are respectively, in the ratio of :

a) 3 : 9 : 2
b) 2 : 5 : 2
c) 3 : 18 : 4
d) 1 : 2 : 1

112. A bottle contains $\frac{3}{4}$th of milk and the rest water. How much of the mixture must be taken out and replaced by an equal quantity of water, so that the mixture has half milk and half water?

    a) 25%
    b) 33.33%
    c) 45%
    d) 66.67%

113. Ritika sold an article to Ruhaan at a profit of 10%. Ruhaan sold that article to Mohan at a profit of 12%. Mohan sold that article to Sanjay at a loss of 20%. Sanjay again sold that article to Ritika at a profit of 5%. Overall, what was the approximate percentage of profit/loss for Ritika?

    a) 13% loss
    b) 6.29% profit
    c) 7% loss
    d) 4.12% profit

114. Two trains A and B cross the same platform in 18 and 24 seconds, respectively. The respective length of trains A and B is 240 metres and 210 metres. If the ratio of their speeds is 3 : 2, then what is the length of platform ?

    a) 20 metres
    b) 25 metres
    c) 30 metres
    d) 35 metres

115. The marked price of a watch was Rs.820. A man bought the same watch for Rs.570.72 after getting two successive discounts, of which the first was 20%. What was the second discount?

    a) 18%
    b) 17%
    c) 15%
    d) 13%

116. A man can swim 3 km/hour in still water. If the speed of the stream is 2 km/hour, then the time taken by him to swim to a place 10 km upstream and back is:

a) $9\frac{1}{3}$ hours
b) 10 hours
c) 11 hours
d) 12 hours

117. Pipe A can fill a tank in 38 hours. Pipe B alone can fill it in 19 hours. Pipe C can empty the full tank in 133 hours. If all the pipes are opened together, then how much time will be needed to make the tank full ?

    a) 28 hours

    b) 18 hours

    c) 14 hours

    d) $10\frac{1}{3}$ hours

118. Ranjit got married 8 years ago. His present age is $\frac{6}{5}$ times his age at the time of marriage. If Ranjit's sister was 10 years younger to him at the time of his marriage, then what is present age of his sister ?
    a) 38 years
    b) 36 years
    c) 35 years
    d) 32 years

119. If 8th February, 2005 was Tuesday, then what was the day of the week on 8th February, 2004?

    a) Monday
    b) Wednesday
    c) Friday
    d) Sunday

120. A woman says, "If you reverse my own age, the figures represent my husband's age. He is senior to me and the difference between our ages is $\frac{1}{11}$th of their sum." The age of the woman is:

    a) 48 years
    b) 45 years
    c) 42 years
    d) 34 years

DATA INTERPRETATION

Directions (Ques. No. 121 - 125): Study the following table carefully to answer the questions that follow.

The table shows the income and expenditure (in lakh rupees) of the companies A and B in five different years.

Note: Profit = Income - Expenditure,

$$\text{Profit \%} = \frac{\text{Profit}}{\text{Expenditure}} \times 100$$

Year	Income		Expenditure	
	A	B	A	B
2011	510	-	-	375
2012	550	500	465	-
2013	-	-	370	380
2014	580	590	490	-
2015	515	-	-	495

121. If the percentage profit of the company A in year 2011 is 20%, then its expenditure is by how much percent (approximately) more or less than that of the same company in the year 2014 ?
    a) 8% less
    b) 11% more
    c) 13% less
    d) 18% more

122. If in year 2014, the company A expended 10 lakhs more than the company B, then what is the approximate percentage of profit of the company B in the same year ?
    a) 20%
    b) 23%
    c) 25%
    d) 35%

123. What was the average income amount (in lakh rupees) of the companies A and B together in year 2013, if the percentage profit earned by the company A was 16% and that of the company B was 17% ?

a) 440.9

b) 456.9

c) 440.9

d) 436.9

124. If in year 2015, the company A earns a profit of 30 lakh rupees, then its expenditure was approximately what percent of income of the same company in year 2012 ?
    a) 86%
    b) 82%
    c) 88%
    d) None of the above

125. Income of the company A in year 2012 was approximately by how much percent more than profit of the same company in 2014 ?
    a) 520%
    b) 511%
    c) 490%
    d) 481%

Directions (Ques. No. 126 - 128): Study the table carefully and answer the questions that follow.

Number of pages printed by 5 printers during 5 days.

Printers → Day ↓	A	B	C	D	E
Monday	139	147	211	141	184
Tuesday	141	189	164	189	151
Wednesday	115	141	159	156	136
Thursday	89	223	120	147	113
Friday	187	93	257	160	124

126. What is the respective ratio between the total number of pages printed by printer B on Wednesday and Thursday together and the total number of pages printed by C on Monday and Friday together?
    a) 7 : 9
    b) 7 : 11
    c) 9 : 11
    d) 11 : 13

127. The number of pages printed by the printer A on Wednesday is what percent of the number of pages printed by printer D on Friday ?

    a) $65\frac{1}{8}\%$

    b) $69\frac{1}{4}\%$

    c) $71\frac{7}{8}\%$

    d) $75\frac{3}{8}\%$

128. The number of pages printed by the printer E on Monday is by what percent more than the number of pages printed by the printer C on Thursday ?

    a) $53\frac{1}{3}\%$

    b) $54\frac{1}{3}\%$

    c) $55\frac{2}{3}\%$

    d) $56\frac{3}{4}\%$

Directions (Ques. No. 129 - 133):

Study the given information carefully to answer the questions.

Priyanshu goes to a hill station by car. While going upwards (uphill) the consumption of petrol was increased by 25% of the normal consumption of petrol but while going downwards (downhill) the consumption of petrol was decreased by 50% of the normal consumption of petrol. He goes from the point A to the point B. The total distance between point A and point B is 525 km in which the total distance travelled by him uphill is 2.5 times of the total distance travelled by him downhill and the total distance travelled by him on the plane surface is 140 km. While coming back from the point B to point A, he saves 15 litres of petrol and the consumption of petrol is normal on plane surface.

129. What was the mileage of the car on downhill?
    a) 1 litre per 15 kilometers
    b) 1 litre per 15.5 kilometers
    c) 1 litre per 16.5 kilometers
    d) 1 litre per 17.5 kilometers

130. If point A to point B were a plane surface, then approximately how many litres of petrol he would have consumed more while going and coming back ?
    a) 18.33 litres
    b) 15.33 litres
    c) 12.67 litres
    d) 11.67 litres

131. The approximate quantity of petrol consumed for the entire journey (from point A to point B and from point B to point A) was :
    a) 112.5 litres
    b) 115.6 litres
    c) 120.4 litres
    d) 145.2 litres

132. If the speed of car is 55 km per hour on the plane surface and while going uphill, the car's speed was decreased by 25% of the normal speed and while going downhill the car's speed was increased by 50% of the normal speed, then approximately how much time he would have taken during the entire journey (if he returns immediately from point B to point A) ?
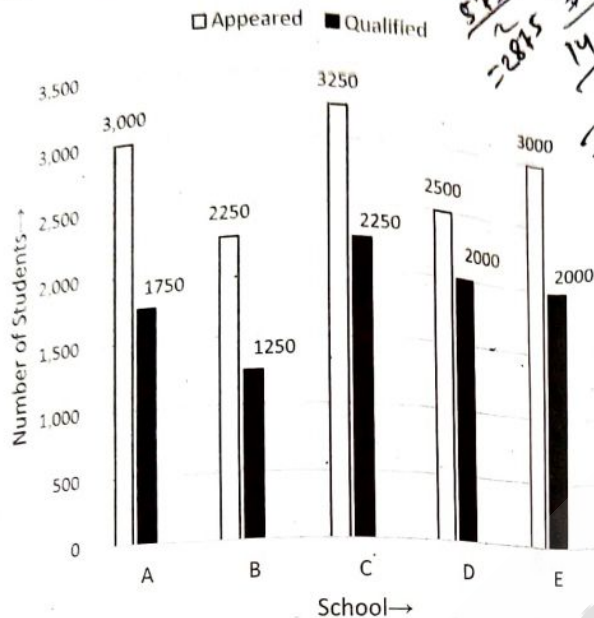   a) 19.09 hours
    b) 19.90 hours
    c) 21.10 hours
    d) 21.90 hours

133. What was the difference between the mileage of the car on downhill and that on uphill ?
    a) 1 litre per 33 kilometres
    b) 1 litre per 22 kilometres
    c) 1 litre per 11 kilometres
    d) 1 litre per 9 kilometres

Directions (Ques. No. 134 - 138): Study the following bar chart carefully and answer the questions given below.

Total number of students appeared and qualified from various schools at a scholarship examination.

☐ Appeared ■ Qualified

134. What is the ratio of the number of students appeared to the number of students qualified in the scholarship examination from the school C ?
   a) 6 : 5
   b) 7 : 12
   c) 9 : 10
   d) 13 : 9

135. What is the ratio of the number of students qualified in the scholarship examination from school A and the number of students qualified in the scholarship examination from school B ?
   a) 7 : 5
   b) 7 : 3
   c) 5 : 7
   d) 3 : 7

136. What is the difference between the average number of students appeared in the scholarship examination from all the given schools and the

average number of students qualified in the said examination from all the schools together ?
   a) 900
   b) 950
   c) 990
   d) 1020

137. The average number of students qualified in the scholarship examination from the schools C and D is approximately by what percent of the average number of students appeared in the said examination from the same schools ?
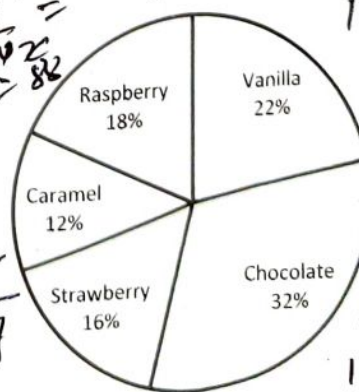   a) 58.62%
   b) 58.96%
   c) 62.58%
   d) 73.91%

138. The number of students appeared in the scholarship examination from school D is approximately what percent of the total number of students appeared for the said examination from all the schools together ?
   a) 24%
   b) 18%
   c) 11%
   d) 8%

Directions (Ques. No. 139 - 143): Study the following pie-chart carefully and answer the questions given below:

Total number of Ice-creams - 550

XOXO-ENG-C-15

The pie-chart shows the percentage distribution of five types of ice-creams available in an ice-cream parlour.

139. If the number of females who purchased Vanilla ice-cream is 21 more than the number of males who purchased the same flavoured ice-cream, then what is the number of females who purchased Vanilla ice-cream ?
    a) 58
    b) 66
    c) 71
    d) 75

140. The central angle for chocolate flavoured ice-cream is _____ .

    a) 112.8°
    b) 115.2°
    c) 117.5°
    d) 118.8°

141. If the total number of ice-creams of another ice-cream parlour is 20% more than the ice-creams of the given ice-cream parlour, then what will be the total ice-creams of Raspberry and Caramel flavoured sold from the new ice-cream parlour, if the percentage-distribution for different flavoured ice-creams remain the same?
    a) 198
    b) 186
    c) 181
    d) 178

142. What is the ratio of total Raspberry and Strawberry ice-creams sold to the total of Chocolate and Vanilla ice-creams sold ?

    a) 13 : 17
    b) 14 : 17
    c) 17 : 27
    d) 27 : 15

143. What is the difference between the average number of Raspberry and Vanilla ice-creams sold together and the average number of Strawberry and Chocolate ice-creams sold together ?

    a) 42
    b) 33
    c) 28
    d) 22

Directions (Ques. No. 144 - 148): Study the given information carefully to answer the questions that follow.

Three friends Seeta, Reeta, Geeta spend 12%, 14% and 16% of their monthly salary on travelling in the given order. Each of them saves half of the remaining amount. The monthly salary of Seeta and Geeta is same and the monthly saving of Seeta is Rs.360 more than that of Geeta. The total expenditures of Seeta and Reeta together on travelling is Rs.1,240 more than that of Geeta.

144. What is the monthly expenditure of Seeta and Reeta together on travelling ?
    a) Rs.4, 480
    b) Rs.4, 240
    c) Rs.4, 120
    d) Rs.3, 890

145. The monthly salary of Reeta is how much more than/less than that of Seeta ?
    a) Rs.3, 000 more
    b) Rs.3, 000 less
    c) Rs.4, 000 more
    d) Rs.4, 000 less

146. What is the total savings of all the three friends together ?
    a) Rs.20, 800
    b) Rs.21, 500
    c) Rs.22, 480
    d) Rs.24, 000

147. The total monthly savings of three friends together is what percentage of their total monthly salary ?
    a) 41%
    b) 42%
    c) 43%
    d) 44%

148. By how much should Seeta's monthly salary be increased so that the monthly expenditures of Seeta on travelling will become equal to that of Geeta ?

a) Rs.3, 600
b) Rs.4, 000
c) Rs.5, 050
d) Rs.6, 000

Directions (Ques. No. 149 and 150): Study the given information carefully to answer the questions given below.

There are 120 employees working for a company in Bhubaneswar ,out of which 50 are women. Also,

(i) 56 employees are married.

(ii) 52 employees are graduate.

(iii) 40 married employees are graduate of which 18 are men.

(iv) 30 men are graduate.

(v) 30 men are married.

149. How many unmarried women are graduate ?
   a) 0
   b) 5
   c) 16
   d) 22

150. How many graduate men are married ?
   a) 11
   b) 13
   c) 15
   d) 18