

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

Question Booklet Code:

D

Question Booklet Series No:

220688

Time Allowed: **150 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 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.

SEAL

ARITHMETIC

1. What is the value of the following expression:
 $[26 + \{42 \times (23 - 20) + 2 - (2 \times (5 \times 80 - 100)) + 16 - 4\}]$?
- a) -434
b) 434
c) -443
d) -453
2. What is the number when multiplied by 16 increases by 540 ?
- a) 30
b) 36
c) 42
d) 46
3. What is the difference in the place value of 5 in the numeral 754853 ?
- a) 45000
b) 49500
c) 49940
d) 49950
4. If two-third of three-fourth of a number is 34, then what is the value of 20% of that number ?
- a) 13
b) 13.6
c) 14
d) 14.6
5. If $x = 0.84181$ is expressed as a fraction in the lowest terms, then the denominator exceeds the numerator by:
- a) 15803
b) 18503
c) 13580
d) 10583
6. The approximate value of $0.4 \times 0.4 + 0.04 \times 0.04 + 0.04$ is:
- a) 0.16
b) 0.20
c) 0.38
d) 0.46
7. The population of a town is decreasing at a rate of 10% per annum. If the population 2 years ago was 20,000, then what is the present population ?
- a) 15,000
b) 15,200
- c) 16,000
d) 16,200
8. Anil's salary was Rs.18,000. An increase of 20% each in two consecutive years is equal to a single increment of what percentage ?
- a) 22%
b) 32%
c) 40%
d) 44%
9. A certain amount of money was invested on simple interest at a certain rate for 2 years. If it had been invested at 4% higher rate, then it would have fetched Rs.480 more, then what is the amount of money invested?
- a) Rs.6,500
b) Rs.6,000
c) Rs.5,600
d) Rs.5,300
10. On lending a certain sum of money on compound interest, one gets Rs.9050 in 2 years and Rs.9500 in 3 years. What is the rate of interest (approximately)?
- a) 6%
b) 5.5%
c) 5%
d) 4.5%
11. X's and Y's shares in a business are in the ratio of 5 : 3. If X has invested Rs.70,000 for 12 months, then for what period of time Y has invested Rs.60,000 ?
- a) 6.4 months
b) 7.4 months
c) 8.4 months
d) 9.4 months
12. The sum of the present age of mother and her son is 60 years. Six years ago, the age of the mother was five times the age of her son. What will be the age of her son after 6 years?
- a) 23 years
b) 22 years
c) 21 years
d) 20 years
13. The day on 5th April of a year will be the same day on 5th of which month of the same year ?
- a) 5th June
b) 5th July
- c) 5th August
d) 5th October
14. A man swims 12 km downstream. If he takes 2 hours what is the speed of the stream?
- a) 1.5 km/hr.
b) 1.7 km/hr.
c) 0.7 km/hr.
d) 0.5 km/hr.
15. How many times does the hour hand of a clock in a day (or 24 hours) pass over the minute hand?
- a) 24
b) 23
c) 22
d) 21
16. Sachin scored 40 runs in 40 balls and 8 sixes in his total score. What is the difference between the number of fours and sixes he hit?
- a) 40
b) 45
c) 50
d) 55
17. A pipe can fill a tank in 10 hours and another pipe can empty it in 15 hours. If both pipes are opened together, how long will it take to fill the tank?
- a) 10 hours
b) 15 hours
c) 20 hours
d) 30 hours
18. A train starts from station A at 10:00 AM and reaches station B at 12:00 PM. What is the average speed of the train?
- a) 100 km/hr.
b) 120 km/hr.
c) 150 km/hr.
d) 180 km/hr.

Rs.18,000. An increase of 20% in five years is equal to a single percentage?

Amount of money was invested on a certain rate for 2 years. If it had been at a higher rate, then it would have earned more, then what is the amount of money?

A certain sum of money on simple interest gets Rs.9050 in 2 years at a rate of 5% (per annum). What is the rate of interest?

Two partners in a business are in the ratio of 3:2. The first partner has invested Rs.70,000 for 12 months. What period of time Y has the second partner invested?

The present age of mother and her son are in the ratio of 3:1. 5 years ago, the age of the mother was 3 times the age of her son. What is the age of her son after 6 years?

April of a year will be the same as the month of the same year?

BHKL/Eng/D-2

- c) 5th August
- d) 5th October

14. A man swims 12 km downstream and 10 km upstream. If he takes 2 hours each time, then what is the speed of the stream?

- a) 1.5 km/hr.
- b) 1.7 km/hr.
- c) 0.7 km/hr.
- d) 0.5 km/hr.

15. How many times the hands of a clock coincide in a day (or 24 hours)?

- a) 24
- b) 23
- c) 22
- d) 21

16. Sachin scored a century which included 3 fours and 8 sixes. As a result, what percentage of his total score did Sachin score by running between the wickets?

- a) 40
- b) 45
- c) 50
- d) 55

17. 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 the tank can be filled in how many hours?

- a) 10 hours
- b) 12 hours
- c) 14 hours
- d) 16 hours

18. A man purchases a TV for Rs.8,000 and sells it at 10% loss. What is the selling price of the T.V.?

- a) Rs.7,200
- b) Rs.7,000
- c) Rs.6,900
- d) Rs.6,500

19. A car takes 2 hours to reach a destination by travelling at the speed of 60 km/hr. How long (in hours) will it take when the car travels at the speed of 80 km/hr?

- a) $1\frac{1}{4}$
- b) $1\frac{1}{2}$

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

20. A train is moving at 120 km/hr. The length of the train is 150 meters. How long it will take to cross a platform of length 100 meters?

- a) 7.5 seconds.
- b) 10 seconds.
- c) 20 seconds.
- d) 25 seconds.

21. P can do a job in 12 days and Q can do the same job in 10 days. With the help of R, they can do the same job in 4 days. In how many days R alone can do this job?

- a) 12 days.
- b) 13 days.
- c) 14 days.
- d) 15 days.

22. A shopkeeper mixes 60 kg of sugar priced Rs.30 per kg with 90 kg of sugar priced Rs.40 per kg. At what rate he must sell the mixture to gain 20%?

- a) Rs.30 per kg.
- b) Rs.34 per kg.
- c) Rs.38 per kg.
- d) Rs.43.2 per kg.

23. If $(\sqrt{3})^5 \times 9^2 = 3^x \times 3\sqrt{3}$, then x equals to:

- a) 3
- b) 4
- c) 5
- d) 6

24. The LCM of two prime numbers x and y is

161. If $x > y$, then the value of $15y - 7x$ is:

- a) -32
- b) -56
- c) 38
- d) 74

25. A blanket, when bleached, decreases in length by 20% and in breadth by 15%. What is the percentage decrease in its area?

- a) 32%
- b) 35%
- c) 42%
- d) 45%

BHKL/Eng/D-3

26. A bag contains Rs.410 in the form of Rs.5, Rs.2 and Re.1 coins. If the number of coins is in the ratio 4 : 6 : 9 respectively, then what is the number of 2 rupees coins ?

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

27. In a 100 meters race, P covers the distance in 36 seconds and Q covers in 45 seconds. In this race, P beats Q by:

- a) 9 meters.
- b) 20 meters.
- c) 22.5 meters.
- d) 25 meters.

28. How many numbers from 1 to 20 are either a multiple of 3 or 5 ?

- a) 9
- b) 8
- c) 6
- d) 5

29. What is the length of the longest rod that can be placed in a room 30 meters long, 24 meters broad and 18 meters high ?

- a) 30 meters.
- b) $15\sqrt{2}$ meters.
- c) $30\sqrt{2}$ meters.
- d) 60 meters.

30. The numerator of a fraction is 3 less than the denominator. If the numerator be made 3 times and 20 is added to the denominator, the fraction becomes $\frac{1}{8}$. What is the fraction?

- a) $\frac{1}{4}$
- b) $\frac{2}{5}$
- c) $\frac{5}{8}$
- d) $\frac{4}{7}$

COMPUTER AND INTERNET AWARENESS

31. IPv4 address is:

- a) 8 bit
- b) 16 bit
- c) 32 bit
- d) 64 bit

32. Which of the following is used to create or design a web page?

- a) HTML
- b) HTTP
- c) PPP
- d) WWW

33. An identifier that sends and receives information across the Internet is called:

- a) IP address
- b) www
- c) Network
- d) URL

34. What is the full form of NIC?

- a) Network Interconnection Card
- b) Network Internet Card
- c) Network Interface Card
- d) Network Intra Card

35. Which view allows to modify table's structure in Access?

- a) Design view
- b) Datasheet view
- c) Pivot table view
- d) Pivot Chart view

36. Which key stroke moves the active cell towards left in Access table?

- a) F2
- b) F5
- c) Tab
- d) Shift + Tab

37. Which combination of key zooms the content of active cell in Access table?

- a) Ctrl + F2
- b) Ctrl + F5
- c) Shift + F2
- d) Shift + F5

38. In MS Access, form dialog may be created using _____ menu.

- a) Create>More Forms>Form Wizard
- b) Create>More Forms>Data Sheet
- c) Create>More Forms>Modal Dialog
- d) Create>Blank Form

39. To open the existing presentation, press:

- a) Ctrl + L
- b) Ctrl + N

- c) Ctrl + A
- d) Ctrl + O

40. The File that consists of readymade styles that we can easily use for our presentation is known as:

- a) Pre formatting
- b) Template
- c) Wizard
- d) AutoStyle

41. In Microsoft PowerPoint in order to see all the slides on one screen use:

- a) view slide sorter
- b) view slide
- c) view master
- d) view slide show

42. Which is the menu command to recolor a picture on a slide?

- a) Insert -> Picture -> Recolor
- b) Tools -> Picture -> Recolor
- c) Format -> Picture -> Recolor
- d) Edit -> Picture -> Recolor

43. How can you update the values of formula cells if Auto Calculate mode of Excel is disabled?

- a) F8
- b) F9
- c) F10
- d) F11

44. You can convert existing excel worksheet data and charts to an HTML document by using:

- a) FTP wizard
- b) Internet assistant wizard
- c) Intranet wizard
- d) Import wizard

45. What is the short cut key to highlight the entire column in Excel?

- a) Ctrl + C
- b) Ctrl + Enter
- c) Ctrl + Page Up
- d) Ctrl + Space Bar

46. Which of the following is an example of Page Orientation?

- a) Landscape
- b) Subscript
- c) Superscript
- d) A4

47. You can Select all the text in MS Word document by:

- a) Ctrl +S
- b) Ctrl + A
- c) Ctrl + V
- d) Ctrl + 1

48. How can you apply exactly the same formatting you did to another text in MS-word?

- a) Copy the text and paste in new location. Then type the new text again
- b) Copy the text and click on Paste Special tool in new place
- c) Select the text then click on Format Painter and select the new text
- d) All of above

49. To use your keyboard instead of the mouse to select tools on the ribbon, you display the KeyTips by pressing the _____ key.

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

50. If you need to change the typeface of a document, which menu will you choose?

- a) Edit
- b) View
- c) Format
- d) Tools

CURRENT AFFAIRS

51. Where is India's largest facility for weightlifting coming up?

- a) Ganjam
- b) Imphal
- c) New Delhi
- d) Bhubaneswar

52. Who won the Best Actress award at Cannes Film Festival 2024 for acting in film 'The shameless' (royal section)?

- a) Kani Kusruthi
- b) Anasuya Sengupta
- c) Divya Prabha
- d) Chhaya Kadam

53. Naomi Osaka, famous tennis player returned to WTA Tour after a break in January 2024. Why did she take the break?

- a) Injury
- b) Mental health issues

- c) Financial issues
- d) Legal issues (court case)

54. Ameen Sayani died in February 2024. In which field did he earn his fame?

- a) Radio announcement
- b) Singing
- c) TV Anchor
- d) Film Director

55. Manohar Joshi died in February 2024. For which period was he speaker of the Lok Sabha.

- a) 2002 to 2004
- b) 2004 to 2006
- c) 2000 to 2002
- d) 1995 to 2000

56. Who is the Solicitor General of India?

- a) Tushar Mehta
- b) Ranjit Kumar
- c) Mohan Parasaran
- d) Gopal Subramanyam

57. Who is the current Chairman of Security and Exchange Board of India?

- a) Madhabi Puri Buch
- b) V.K Sinha
- c) Ajay Tyagi
- d) C.B Bhawe

58. Who is the chief of Army Staff in June, 2024?

- a) General Manoj Pande
- b) General Manoj M. Naravane
- c) General Dalbir Singh Suhag
- d) General Rakesh Kapoor

59. Who is the president of Pakistan?

- a) Asif Ali Zardari
- b) Imran Khan
- c) Nawaz Sharif
- d) Shahbaz Sharif

60. Palestinian Prime Minister declared his resignation in end February and laid down office on 31st march 2024. What is his name?

- a) Mohammad Shtayyeh
- b) Rami Hamdallan
- c) Salam Fayyad
- d) Yehia Sinwar

61. Who is the new Prime Minister of Singapore?

- a) Lawrence Wong
- b) Lee Kuan Yew
- c) Gok Chok Tong
- d) Lee Hsien Loong

62. ...
did she earn her fame?

- a) Literature
- b) Acting
- c) Painting
- d) Politics

63. Director of "All We Imagine as Light" won the Grand Prix at Cannes Film Festival 2024. Who is the Director of the film?

- a) Sanjay Leela Bhansali
- b) Payal Kapadia
- c) Mani Ratnam
- d) Anurag Basu

64. New laws replacing IPC, Cr.PC and IEA will come into effect on:

- a) July 1 2024
- b) June 1 2024
- c) 31 December 2024
- d) 1 January 2025

65. Result of votes counting in which election was set aside by Supreme Court in February 2024?

- a) Election for Mayor of Chandigarh.
- b) Election of Rajya Sabha in Uttar Pradesh
- c) Election of MLA in a recent election.
- d) Election of Rajya Sabha in Himachal Pradesh.

66. Cyclone 'REMAL' made landfall in end May. Which country was most affected by 'REMAL'?

- a) Bangladesh
- b) Myanmar
- c) Thailand
- d) Sri Lanka

67. How many MLAs are elected for Odisha Legislative Assembly?

- a) 137
- b) 147
- c) 157
- d) 142

68. Who is the present Chief Minister of Goa?

- a) Pramod Sawant
- b) Digambar Mamat
- c) Laxmikant Parsekar
- d) Francisco Sardinaa

69. What is the name of Slovakia Prime Minister who was attacked in May 2024?

- a) Peter Pellegrini
- b) Robert Fico

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literature
acting
painting
politics

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Assembly?

37
47
57
42

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Pramod Sawant
Digambar Mamat
Ajaymikanth Parsekar
Francisco Sardina

the name of Slovakia Prime Minister
acked in May 2024?

Peter Pellegrini
Robert Fico

c) Eduard Heger
d) Ludovit Odor

70. Who is the Chairman of DRDO and Secretary of
Department of Defence Research & Development?

a) Dr. Samir V. Kamat
b) Shri S. Christophar
c) Dr V.S Arunachalam
d) Dr. G. Satheesh Reddy

71. Who is the Director General of CSIR and
Secretary of DSIR?

a) Dr. (Mrs) N Kalaiselvi
b) Dr. R.A Mashelkar
c) Dr. Sekhar C Mande
d) Dr. Girish Sahani

72. Which Covid vaccine manufacturer admitted in
UK Court that said vaccine can in rare cases cause
"Thrombosis with Thrombocytopenia syndrome"?

a) Astra Zeneca/Covishield
b) Covaxin
c) Sputnik - V
d) Janssen

73. Which is India's largest Lok Sabha constituency
in terms of voter population?

a) Malkajgiri.
b) Outer Delhi
c) Agra
d) Khurda

74. Papua New Guinea was affected by a natural
disaster in May 2024 resulting in death of over a
thousand. What was the natural disaster?

a) Cyclone
b) Flood
c) Landslide
d) Earthquake

75. In Archery World Cup, held recently at
Shanghai, Indian Women's team won Gold Medal.
Whom did they defeat in final?

a) Turkey
b) France
c) Italy
d) South Korea

76. Alejandra Rodriguez, a lawyer and journalist
recently won title of Miss Universe Buenos Aires.
What was her age at the time of winning the title?

a) 27
b) 45

c) 25
d) 60

77. A biopic 'Chamkila' was made on life of Amar
Singh Chamkila. In what field did late Mr. Amar
Singh Chamkila earn his fame?

a) Singing
b) Sports
c) Dance
d) Literature

78. In India Super League, whom did Odisha FC
face in semifinal in April 2024?

a) Mohan Bagan
b) Mumbai city
c) Kerala Blasters
d) Goa

79. Who is the Captain of Kolkata Knight Riders,
who won IPL Championship in 2024?

a) Shreyas Iyer
b) Andre Russel
c) Phil Salt
d) Varun Chakravarthy

80. Who has been awarded Gyanpith Puraskar for
2023?

a) Gulzar
b) Rambhadracharya
c) Both a & b
d) None of the above

81. India's top Cargo handling port for 2023-24
was:

a) Paradeep Port
b) Kandhra Port
c) Vizag Port
d) JNPA Port

82. As per recent amendment made in Section 14
(b) of Representation of People Act, how many
qualifying dates have come into effect, in place of
one qualifying date, for voter registration?

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

83. On which date is National Voters Day
celebrated in India?

a) 24 January
b) 25 January
c) 26 January
d) 26 February

84. As per new initiative by ECI, senior citizens above certain age can vote from home. What is that age?

- a) Above 80 years
- b) Above 85 years
- c) Above 75 years
- d) Above 82 years

85. ECI has approved 12 alternative identity documents in place of Voter Identity Card for identity verification at Polling Booth. Which of the following is not one of them?

- a) PAN Card
- b) AADHAR Card
- c) Credit Card
- d) Driving license

86. What percentage of booths are covered for webcasting by ECI?

- a) 30%
- b) 40%
- c) 50%
- d) 60%

87. What is the number of total electors of Odisha as on 28.4. 2024?

- a) 33236360
- b) 733646762
- c) 16850949
- d) 32210723

88. In how many phases has General Election 2024 been conducted in Odisha?

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

89. Prime Minister of Greece paid state visit to India in March 2024. What is his name?

- a) Kyriakos Mitsotakis
- b) Alexis Tsipras
- c) Ioannis Sarmas
- d) Kostis Hatzidakis

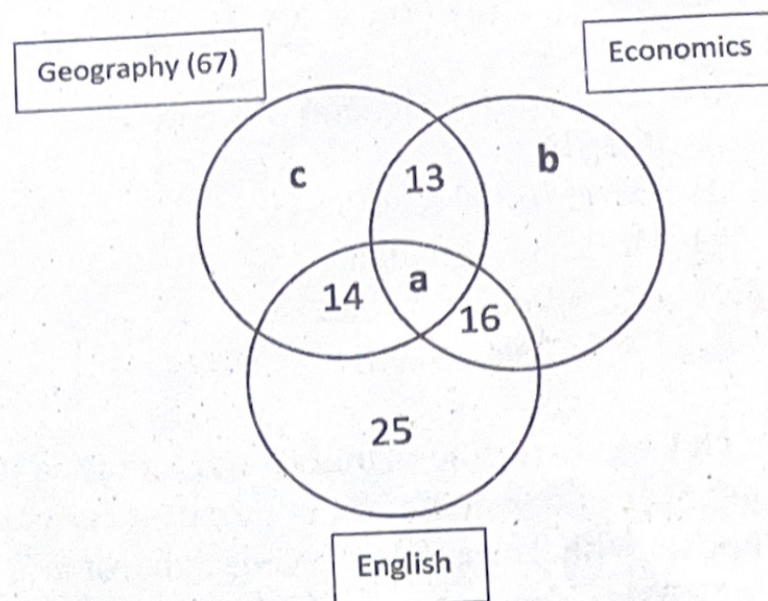
90. Kolkata Knight Riders won IPL title in 2024. Who did they defeat in the finals?

- a) Mumbai Indians
- b) Sunrisers Hyderabad
- c) Royal Challengers Bengaluru
- d) Rajasthan Royals

DATA INTERPRETATION

Directions (Q 91-95) Study the following information carefully and answer accordingly.

Note: Use additional information given in any question or its answer for answering subsequent questions.



91. How many students study Geography or English?

- a) 108
- b) 91
- c) 62
- d) 130

92. If 32 students study only Geography, how many students study English?

- a) 63
- b) 67
- c) 52
- d) 59

93. How many students study Economics or Geography or both but not all three?

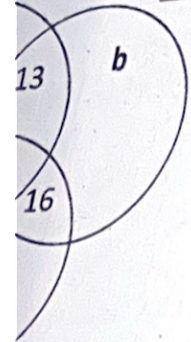
- a) 28
- b) 90
- c) 68
- d) 54

94. How many students study only Economics?

- a) 15
- b) 16
- c) 17
- d) 18

INTERPRETATION
 15) Study the following information given in any way and answer accordingly for answering subsequent

Economics



95. What is the total number of students enrolled for studying these three subjects, either one of them, two of them or all of them?

- a) 120
- b) 130
- c) 123
- d) 132

- c) 3:80
- d) 5:81

Directions (Q.96-100) Study the table given below and answer the following questions. The table gives the details about bowling performances of six bowlers.

Bowlers	Overs	Maidens	Runs Conceded	Wickets Taken
Lee	20	5	120	15
Bond	18	4	72	9
Steyn	--	6	--	20
Asif	12	--	--	--
Amir	24	--	--	32
Roch	16	3	96	20

Note: Maiden over is one in which a bowler doesn't concede any run.

96. If the number of wickets taken by Asif is $16\frac{2}{3}\%$ of total number of wickets taken by all the remaining bowlers and he conceded 7 runs per over, then find his strike-rate. (Strike rate is defined as the no. of runs conceded per wicket)

- a) 5.25
- b) 4.25
- c) 6.25
- d) 7.25

97. How many more maiden overs should Roch have bowled in order to equal the economy rate of Bond? (Economy rate is defined as the no. of runs conceded per over)

- a) 4
- b) 6
- c) 2
- d) 8

98. If Amir bowls a maiden for every 3 overs he bowls and concedes $33\frac{1}{3}\%$ more runs than Lee did then find the ratio of his maidens per wicket to the runs conceded by him per overs?

- a) 5:71
- b) 3:71

99. If Lee and Steyn collectively bowled 36 overs and conceded 280 runs, then find the ratio of their strike rates. (Use information from previous questions if needed)

- a) 2:1
- b) 1:1
- c) 3:1
- d) 1:4

100. Strike-rate of Amir is what percentage of the economy rate of Roch? (Use information from previous questions if needed)

- a) 90%
- b) 83.33%
- c) 85.25%
- d) 88.75%

Directions (Q 101-105): Read the given data carefully and answer the given questions.

Given below is the table which shows the different types of work A, B, C, D and E; ratio of efficiency to do these works, of a man, a woman and a child respectively and total time taken by a child to complete these different works.

Work	Ratio of efficiency (M:W:C)	Time Taken by a child to complete work.
A	5:3:4	20 days
B	4:3:2	10 days
C	8:7:6	21 days
D	3:2:1	15 days
E	6:4:3	16 days

101. What is the time taken to complete work A by 3 men, 2 woman and 1 child together?

- a) More than 4 days
- b) More than 5 days
- c) More than 3 days
- d) More than 6 days

102. What is the time taken by a Man to complete Work B?

- a) 4 days
- b) 10 days
- c) 5 days
- d) 6 days

103. In how many days can 2 men, 3 women and 3 children complete work D?

- a) 6 days
- b) 4 days
- c) 3 days
- d) 1 day

104. Out of works A,B,C,D, which work a man takes most days to complete?

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

105. One Man, One Woman and One Child working together get 1200 Rs in total for completing work A and 600 Rs for completing work D. What is the amount received by a child for completing both works (in Rupees)?

- a) 200
- b) 300
- c) 400
- d) 500

Directions (Q.106-110): Study the given information and answer the following questions.

There are three types of vehicles i.e., 3 Auto, 4 Car and one Truck which take rides every day. Distance covered by each type of vehicle per ride is same.

Profit per ride of an Auto and a Car is given as Rs 20 and Rs 60 respectively and total profit of Truck in April month is given as Rs 4200. Ratio of total ride per day of an Auto to total ride per day of a car is 3:2. Ratio of per ride profit of a Truck to per ride profit of a car is 70:30 and total profit is given as Rs 15980 per day.

106. What is the difference in profit earned by all Cars and Truck in one day?

- a) Rs 13,660
- b) Rs 12,120
- c) Rs 14,120
- d) Rs 11,380

107. What is the ratio of profit earned by a car in a day to that earned by an Auto in a day?

- a) 11: 9
- b) 2: 1
- c) 8: 9
- d) 13: 9

108. What is the total profit of a single Car, Truck and Auto in a day?

- a) Rs 4860
- b) Rs 4460
- c) Rs 4240
- d) Rs 5620

109. What is the contribution of cars (approximately) to the total income per day in percentage?

- a) 68 %
- b) 72%
- c) 75%
- d) 82%

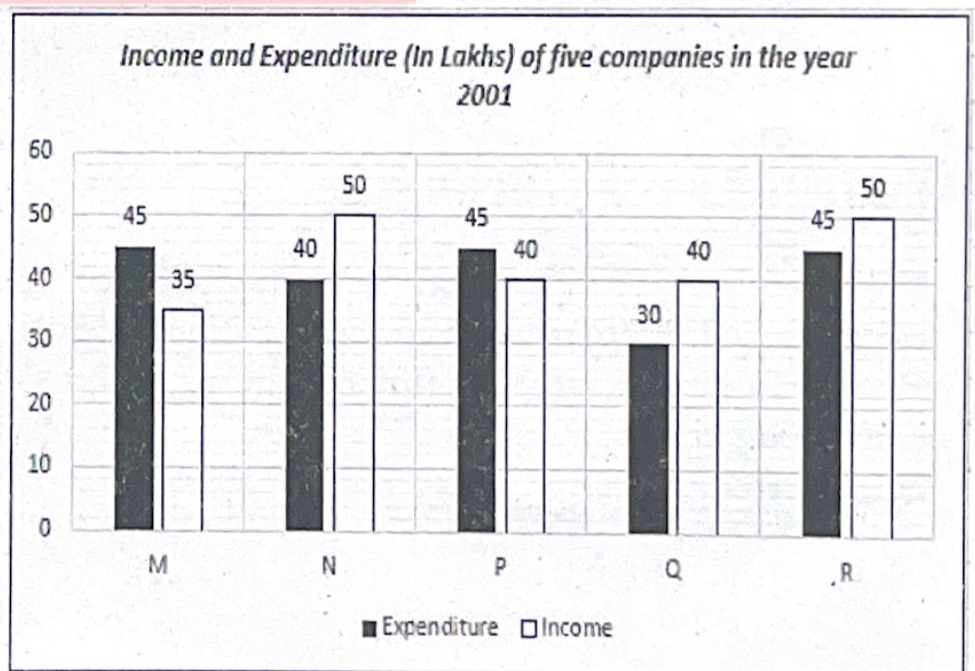
110. What is the total profit earned by all the Autos in the month of April?

- a) 192,600
- b) 162,900
- c) 129,600
- d) 169,200

Directions (Q 111 -115): The following bar graph shows the Income and Expenditures (in lakhs) of five companies in the year 2001.

The percent profit or loss of a company is given by $\frac{\text{Income} - \text{Expenditure}}{\text{Income}} \times 100$.

On the basis of the given data, answer the following questions.



111. What was the percentage profit/loss of the companies M and N taken together ?

- a) 12% loss.
- b) 10% loss.
- c) 10% profit.
- d) There was no loss or profit.

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112. In 2001, what was the approximate percentage of profit/loss of all the five Companies taken together ?
- a) 4.65% profit.
 - b) 6.5% profit.
 - c) 4% loss.
 - d) 7% loss.

113. Which company earned the maximum percentage profit in the year 2001?
- a) M
 - b) N
 - c) Q
 - d) P

114. For the Company R, if the expenditure had increased by 50% in year 2001 from year 2000 and the income increased by 25% in year 2001 from year 2000. Then what was the profit percentage in the year 2000 ?
- a) 10%
 - b) 20%
 - c) 25%
 - d) 30%

115. If the income of the Company Q in 2000 was 10% less than its income in 2001 and the Company had earned a profit of 10 Lakhs in 2000, then what was its expenditure in 2000(in Lakhs) ?
- a) 28
 - b) 30
 - c) 32
 - d) 26

Directions (Q 116-120): The following table gives the percentage distribution of population of five states: P, Q, R, S and T on the basis of poverty line and also on the basis of gender. On the basis of the data given in the table chart, answer the questions that follow.

State	Percentage of population Below Poverty Line	Proportion of Males and Females	
		Below Poverty Line	Above Poverty Line
		M: F	M: F
P	48	5: 6	6: 7
Q	20	3: 5	4: 5
R	25	2: 3	1: 2
S	19	3: 2	4: 5
T	10	5: 3	3: 2

116. If the male population below poverty line for the state R is 4 million, then what is the total population of the state R ?
- a) 40 million.
 - b) 48 million.
 - c) 50 million.
 - d) 60 million.

117. What will be the number of females above the poverty line in the state S, if it is known that the population of the state S is 100 million ?
- a) 57 million.
 - b) 45 million.
 - c) 36 million.
 - d) 48 million.

118. If the population of males below poverty line for the state Q is 2.4 million and that for the state T is 6 million, then what is the ratio of the total populations of the states Q and T ?
- a) 1 : 3
 - b) 2 : 5
 - c) 3 : 7
 - d) 4 : 9

119. If the male population above poverty line for the state P is 12 million, then what is the total population of the state P?

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

120. Using the answers obtained from above four questions, calculate the ratio of total population of P to the total population of R?

- a) 3:5
- b) 5:4
- c) 5:6
- d) 6:7

LOGICAL REASONING

121. If in a certain code, TREE is written as UQFD, then how is LEAF written in that code?

- a) MFBG
- b) MDBE
- c) KDZE
- d) MBZE

122. A man walks 1 km to East, then he turns to South and walks 5 kms. Again, he turns to East and walks 2 kms. After this, he turns to north and walks 9 kms. Now, how far is the man from the starting point ?

- a) 3 kms.
- b) 4 kms.
- c) 5 kms.
- d) 7 kms.

123. Using only 2, 5, 10, 25 and 50 paise coins, what will be the minimum number of coins required to pay exactly 78 paise, 69 paise and Rs 1.01 to three different persons?

- a) 19
- b) 20
- c) 17
- d) 18

124. A test has 50 questions. A student scores 1 mark for a correct answer, $-\frac{1}{3}$ for a wrong answer and $-\frac{1}{6}$ for not attempting a question. If the net score of a student is 31, and he has not attempted 6 questions, then number of questions answered wrongly by that student is:

- a) 6
- b) 12
- c) 3
- d) 9

125. Here are some words translated from an artificial language.

- 'dionot' means Oak tree
- 'blyonot' means Oak leaf
- 'blycrin' means Maple leaf

Which word could mean "Maple Syrup"?

- a) blymuth
- b) hupponot
- c) patricrin
- d) wellbly

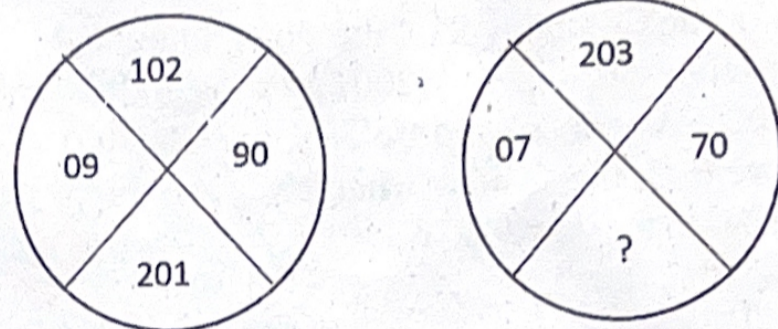
126. If the word 'EXAMINATION' is coded as 56149512965, then the word 'GOVERNMENT' is coded as:

- a) 7645954552
- b) 7654694562
- c) 7645965426
- d) 7654964526

127. A clock strikes once at 1 o' clock, twice at 2 o' clock and so on. If it takes 6 seconds to strike at 3 o' clock, then in an entire day of 24 hours. How much time is spent on striking of the Clock?

- a) 5 minutes 12 seconds
- b) 4 minutes 6 seconds
- c) 3 minutes 20 seconds
- d) 5 minutes 32 seconds

128. There are two similar figures below with some numbers.



The left one is complete whereas one number is missing in the right one. Find a suitable number to fill in the place of the question mark.

- a) 280
- b) 303
- c) 362
- d) 382

129. Which number should come next in the series: 46, 44, 40, 38, 34, ... ?

- a) 28
- b) 30
- c) 32
- d) 36

130. The pair PETAL : FLOWER has certain relationship to each other. Select the pair from the options given below with the same relationship.

- a) Pen : Paper
- b) Engine : Car
- c) Cat : Dog
- d) Ball : Game

Directions(Q.131-135): Refer to the following data and answer the questions that follow.

A numerical machine accepts two values X and Y. Then it updates these values as $X = XY$ and $Y = Y + 1$ in every step. The machine stops at $X > N$.

131. For $X = 3$, $Y = 2$ and $N = 100$, what is the value of Y when the machine stops?
- 2
 - 3
 - 4
 - 6
132. In the above question, what is the final value of X when the machine stops?
- 6
 - 20
 - 72
 - 360
133. In the above question, what is the value of X after Step 1?
- 4
 - 5
 - 6
 - 20
134. If the value of N is changed to 500, what would be the final value of X ?
- 3160
 - 2500
 - 1560
 - 2160
135. If $X = 2$, $Y = 3$ and $N = 500$, what would be the value of X when the value of Y is 7?
- 300
 - 360
 - 720
 - 860
136. Complete the series:
CKDL, EKFL, GKHL, _____, KKLL
from the options given below.
- IJKL
 - MNOP
 - MNPQ
 - IKJL
137. The pair PAIN:SEDATIVE has certain relationship to each other. Select the pair which has the same relationship.
- comfort : stimulant
 - grief : consolation
 - trance : narcotic
 - ache : extraction
138. Pointing to a woman, a man said, "Her father is the only son of my father." How is the man related to the woman?
- Brother
 - Grand father
 - Father
 - Son
139. Arrange the following words in a meaningful sequence.
1. Cow 2. Grass 3. Milk 4. Curd
- 1, 3, 2, 4
 - 4, 3, 2, 1
 - 3, 4, 1, 2
 - 2, 1, 3, 4
140. A man walks 5 km toward south and then turns to the right. After walking 3 km, he turns to the left and walks 5 km. Now, in which direction is he from the starting place?
- South
 - South-West
 - North-East
 - West
141. Pick the odd one out from the given pair of words.
- Docile : Submissive
 - Stringent : Flexible
 - Steadfast : Irresolute
 - Monotonous : Exciting
142. If "HARYANA" is written as "8197151" in a certain code, then how is "DELHI" written in that code?
- 53289
 - 45389
 - 34589
 - 56789
143. Choose the letter pair which is different from others in the group.
- BD
 - IK
 - PN
 - SU

144. Find the missing letters in the series:
DFH, HJL, LNP, _____, TVX
from the options given below.

- a) DTV
- b) NRT
- c) PRT
- d) RQS

145. Rita told Mani "The girl I met yesterday at the beach was the youngest daughter of the brother of my friend's mother." How is the girl related to Rita's friend ?

- a) Cousin
- b) Daughter
- c) Mother
- d) Aunt

146. Ram is facing north. He then turns 45° in the clockwise direction and then again turns 180° in the same direction. He then turns 45° in the anti-clockwise direction. Find the direction he is facing now ?

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

147. A dice is numbered from 1 to 6 in different ways. If 1 is adjacent to 2, 3 and 5, then which one of the following options is necessarily true ?

- a) 1 is adjacent to 4.
- b) 2 is adjacent to 5.
- c) 1 is adjacent to 6.
- d) 4 is adjacent to 6

Directions (Q 148-150) Read the passage given below. and pick out the correct option for the given questions.

Five roommates Ranveer, Salman, Tiger, Upen and Varun each do one housekeeping task: mopping, sweeping, laundry, vacuuming, or dusting one day a week, Monday through Friday.

- Varun does not vacuum and does not do his task on Tuesday.
- Salman does the dusting, and does not do it on Monday or Friday.
- The mopping is done on Thursday.
- Tiger does his task, which is not vacuuming, on Wednesday.
- The laundry is done on Friday, and not by Upen.
- Ranveer does his task on Monday.

148. Which day does Upen do his task ?

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

149. What task does Upen do?

- a) Mopping
- b) Laundry
- c) Sweeping
- d) Dusting

150. Which day does Salman does his task?

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