CLASS 1: MATH OLYMPIAD SAMPLE PAPER

1. How many butterflies are there?
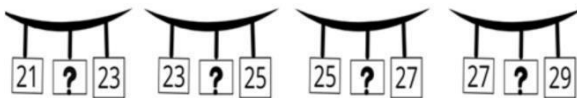

   A) 2   B)4   C) 6   D) 9

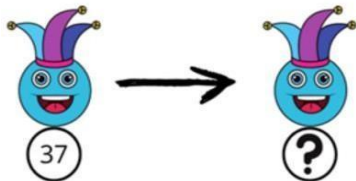2. Which box shows 5 apples in it?

   A) 1   B)2   C) 3   D) 4

3. Find the numbers that come in between the numbers shown in the given figure.
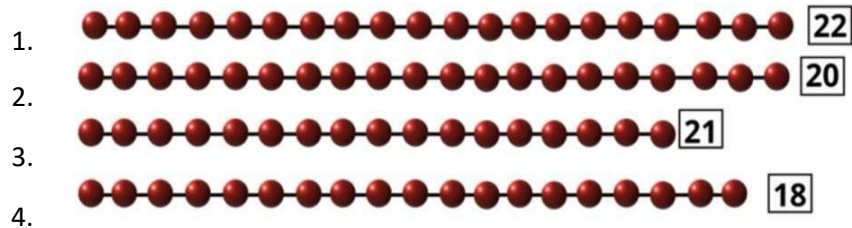

   A) 20,23,22,21   B) 21, 24,22,21   C) 22,24,26,28   D) 23,21,22,24

4. Find the number that comes after the number shown in the given figure.

   A) 35   B) 38   C) 33   D) 31

5. Count the beads and choose the correct option.

1. [22]
2. [20]
3. [21]
4. [18]

A) 1   B) 2   C) 3 D) 4

6. Match the pair and choose the correct option.

A.   i. 5

B.   ii. 6

C.   iii. 4

A) A = ii   B)B = i   C) C = iii   D) B =ii

7. Find the number that comes before the number shown in the given figure.

A) 54   B) 53   C) 52   D)58

8. Fill in the blank.

A) > {Greater than)
B) <{Less than}
C) = {Equal to}
D) 0 {Zero}

9. Peter has 210 apples; he distributed some apples to his friends so 8 apples left with him. How many apples did he distribute?

A) 204   B) 202   C) 207   D) 210

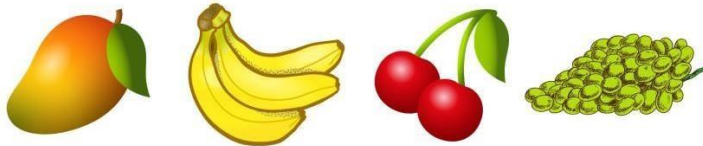10. What is the ordinal number for the position of the Ball in the picture?

A) 1   B) First   C) One   D) None of this

11. What is the ordinal number for the position of the tree in the picture?

A) Forth   B) Four   C) 4   D) All of the above

Use the picture below and answer the question. (Q.12 to Q.14)

12.   Which fruit is second in line?

A) Banana   B) Apple   C) Mango D) Cherries

13. How many fruits are there after mango?

A) Two   B) Thre   C) Four   D) One

14. In which position is the Banana?

A) First   B) Second   C) Third D) Fourth

15. How many pearls are there in a basket?

A) Eleven B) Twelve   C) Thirteen   D) Thirty

16. Choose the incorrect Option.

 = 12

(i)

 = 9

(ii)

 = 8

(iii)

 = 11

(iv)

A)   i   B)ii   C)iii   D)iv

17. Eighty-nine can be written as?

A)   89   B) 88   C) 98   D) All of the above

Answer the question. (Q.18 to Q.19)

18. Write the place value of five in

A)   Ones   B) Tens   C) Hundreds   D) Thousands

19. Write the place value of nine.

A) Ones   B) Tens   C) Hundreds   D) Thousand

20. What day comes after Wednesday, and what day comes before Sunday ?

   A) Tuesday, Saturday
   B) Thursday, Monday
   C) Thursday, Saturday
   D) Friday, Monday

21. Which of the following is correct option.

3 Tens	3 Ones		A = 03
3 Hundred	4 tens	6 Ones	B= 33
3 Ones	3 Tens		C = 346
0 Tens	3 Ones		D= 33

A)   1=B   B)2= C   C)4=A   D)All of the above

22. Count the total number of fruits.

A) 30   B) 28   C)20 D) 35

23. Count the total number of mangoes.
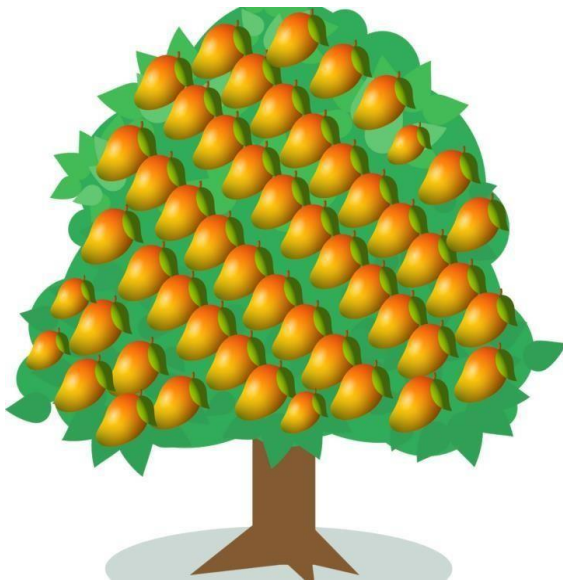
A) Five tens
B) Five Ones
C) Five Hundred
D) None of the above

24. Jack has 54 red pens, 20 black pens, and 25 blue pens. How many pens does Jack have?
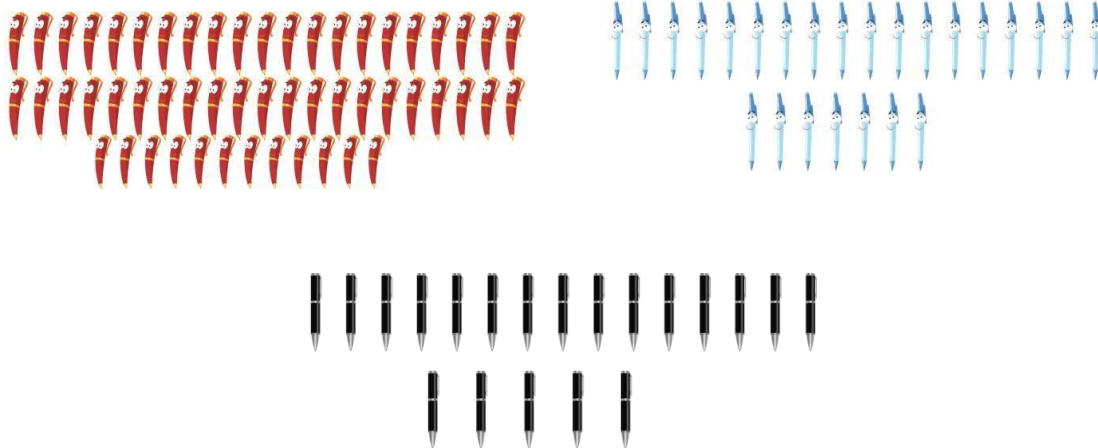
A) 71   B) 99   C)83   D) 79

25. Martin already has 24 ice creams then he bought 20 more ice creams. How many ice creams are with Martin now?
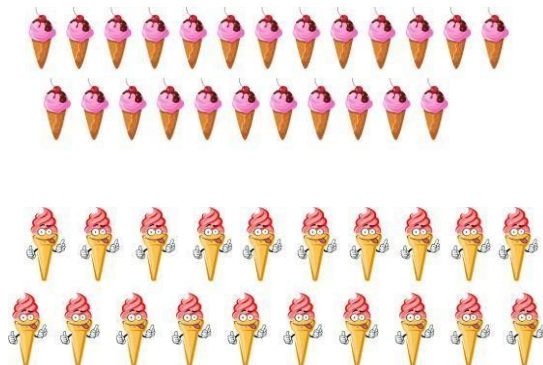
A) 56   B) 65   C) 60   D) 44

26. What will be the total number of trees after performing following operations.
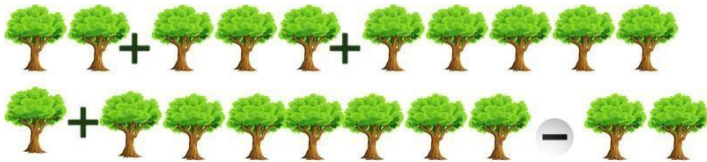
A) 15   B) 20   C) 16   D) 18

27. A ribbon was 150 cm long. Jack used a scissor to cut it into half. What will be its half-length?

A) 75cm   B)113 C) 100 cm   D) 104 cm

28. What is heavier, choose the correct option.

1.   2.   3.   4.

A)1   B) 2   C) 3   D) 4

29. Jason bought 7 kg Apples, 5 kg Pears, and 7 kg watermelon from a greengrocer. How many Kilograms of fruit did Jason buy?

A)   20 kg   B) 19 Kg   C)15 kg   D) 30kg

DIRECTION (30 - 31):

Observe the figure and answer the questions

1.   2.   3.   4.
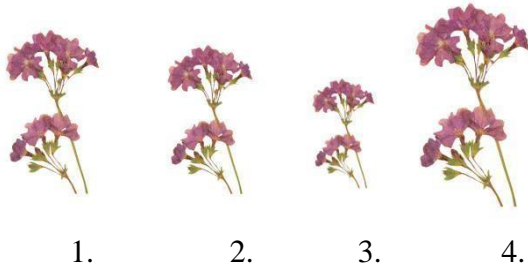
30. Which plant in the question is tallest?
 A) First   B) Second C) Third   D) Forth

31. Which plant in the question is shortest?
 A) First   B) Second   C) Third D) Forth

DIRECTION (32-35):

Read the paragraph and answer the question

Joe is available at home from 12 noon to 4 p.m. on Thursday and Sunday, his younger Nelson brother is available at home on Thursday from 2 p.m. to 4 p.m.

32. On which day of the week Joe is available at home.
A) Thursday and Sunday
B) Sunday only
C) Thursday only
D) None of the above

33. On which day of the week Nelson is available at home.

 A)   Friday   B) Sunday   C) Thursday   D) None of the above

34. On which time both are available at home on Thursday?
A) 12 noon to 2 p.m.
B) 2 p.m. to 4 p.m.
C) 12 noon
D) None of the above

35. Who is available at home only on Thursday?
A)Joe   B)Nelson   C) Both   D)None

36.   What is the correct order of season?

A)   Winter, spring, summer, fall
B)   Fall, summer, spring, winter
C)   Spring, summer, fall, winter
D)   Summer, fall, winter, spring

37. Sara went to her village in the month of July, and she returned to her village after 3 months. In which month will she return to her home?

A)   November B) October   C) December   D) September

38. Olivia started walking at 7.00 O'clock in the morning, it takes 2 hours and 10 minutes to reach her school, when will she reach her school?

A) 11.00 AM   B) Can't say   C)09:10 AM   D)11.10 PM

39. Tory wanted to go on a trip on 21 st July, she needed to pay for it 20 days before her class teacher, when should she make payment?

A)1st July   B) 2nd July   C) 30th June   D) 3rd July

40. Alex had $ 15 in his pocket. He spent $ 3 in Fair and purchased mangoes for $ 12, how much money did he spend?

A) $12   B) $15   C) $3   D) $0

DIRECETION (41- 43)

Use the picture below and answer the question

41. At which place is cuboids?

A) First   B) Second   C) Third   D) Fourth

42. At which place is the Oval?

 A)   First   B) Second   C) Third D) Fourth

43. Find out position of the cone shape ?

 A)   First   B) Second   C) Third D) Fourth

44. Find an odd one out?
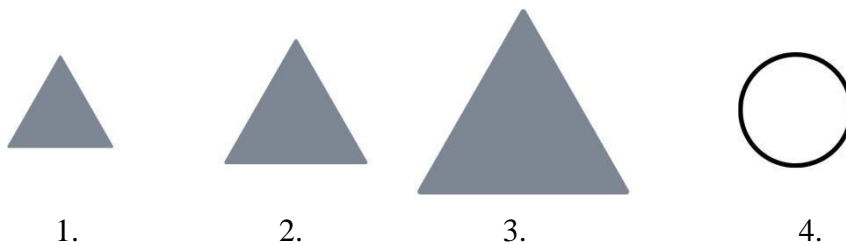
  1.   2.   3.   4.
   A) First   B) Second   C) Third D) Fourth

45. How many triangles are there in a given figure?
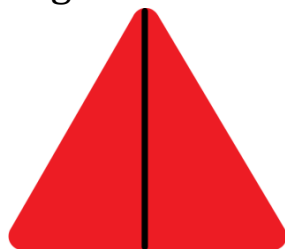
      A) 3   2)4   C) 5   D) 2

46.   If today is Monday, September 12, what day of the week will it be 10 days from today?

A) Wednesday
B) Thursday
C) Tuesday
D) Sunday

47. Choose the correct option.

A) 1+2=3   B) 2+2=3   C)2-2=3   D) 1-2=3

48. Choose an odd one out.
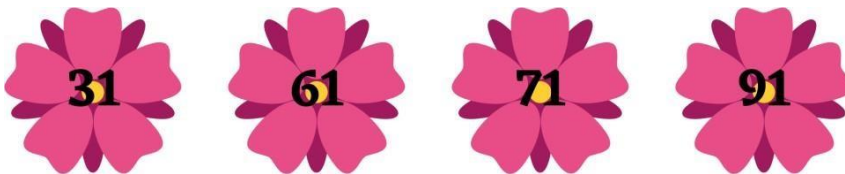
A) 31   B)61   C) 71   D) 91

49. Which number must be added to 53, so that sum will be 55?

A) 4   B) 3   C) 6   D) 2

50. A bag of apples weighs 4 pounds, and a bag of oranges weighs 2 pounds. How much heavier are the apples than the oranges?

A) 4 pounds
B) 6 pounds
C) 2 pounds
D) 8 pounds

51. Emily has a teddy bear that weighs 2 ounces, and Daniel's toy car weighs 8 ounces. Which toy is heavier, and by how much?

A) Teddy bear, 2 ounces
B) Toy car, 6 ounces
C) Teddy bear, 8 ounces
D) Toy car, 2 ounces

52. If you buy a toy for $7 and give the cashier a $10 bill, how much change will you receive?

A) $3
B) $5
C) $7
D) $10

53. A bunch of wires have 7 Aluminum wires and 11 Copper wires then how many sets of 1 aluminum and 1copper wire can be possible?

    A)7   B)11   C)18   D)4

54. What is the expanded form of 74
    A)70+4
    B) 4-70
    C) 7+4
    D) 3+72

55. There are 5 ones and 3 tens in-

    A)   11
    B)   10
    C)   20
    D)   35

56. There are 10 ones and 3 tens in-

    A) 32
    B) 40
    C) 31
    D) 29

57. The expanded form of 93

    A) 89- 4
    B)90+3
    C) 89+2
    D) 0+93

58. There are five sevens and two tens

    A) 35
    B) 45
    C) 55
    D) 65

59. Which of the following is arranged in descending order?

    A) 3, 4, 2, 5
    B) 100, 90, 80, 70
    C) 22,24,26,28
    D) 21, 34, 45, 47

60. Which of the following is arranged in ascending order?

    A) 5, 6, 7, 8
    B) 43,40,57,83
    C) 45, 42, 54, 31
    D) 20, 19, 26, 11

61. What comes before 90 but after 88?

    A) 91
    B) 89
    C) 87
    D) 90

62. What comes before 22 but after 19?
    A) 18
    B) 23
    C) 21
    D) 24

63. What comes after 89 but before 94
    A) 92
    B) 87
    C) 95
    D) 96

64. There are three children playing on the ground. If one boy goes home, how many are still on the ground?
    A) 2
    B) 4
    C) 50
    D) 0

65. There were 34students in the classroom. If the teacher takes 20 students with her to show a planetarium. How many are left in the classroom?

    A) 12
    B) 14
    C) 20
    D) 21

66. There were five apples in the fridge. Tina's dad brought six more apples. How many apples are there in the fridge?

    A) 10

    B) 14

    C) 11

    D) 13

67. Which of the following are cardinal numbers?
A) 2
B) 1
C) 100
D) All of the above

68. Which of the following are not cardinal numbers?
A)   9
B)   0
C)   4
D)   3

69. What are cardinal numbers?
A)   Counting Numbers
B)   Numbers starting from zero
C)   Numbers that are in fraction
D)   None of the above

70. Is zero a cardinal number?

A)   Yes
B)   No
C)   Yes, only sometimes
D)   None of the above

71. How many numbers are there between 10 and 20?

A)   12
B)   9
C)   30
D)   10

72. How many numbers are there between 67 and 83?

    A) 15
    B) 25
    C) 16
    D) 22

73. What is the value of 57-8?

    A) 48
    B) 51
    C) 50
    D) 49

74. What is the value of 78+12?

    A) 82
    B) 80
    C) 90
    D) 91

75. If we subtract 6 from 41 what do we get?

    A) 5
    B) 35
    C) 33
    D) 32

76. How many tens are needed in 7 ones to make it 87?

    A) 5
    B) 8
    C) 9
    D) 7

77. There were 6 lemons in the fridge. Maya's dad brought 6 more lemons and kept in fridge. How many lemons are there in the fridge?

   A)   10
   B)   12

   C)   11

   D)   13

78. Which of the following are cardinal numbers?
   A)   21
   B)   1
   C)   10
   D)   All of the above

79. Which of the following are cardinal numbers?

   A)   9
   B)   0
   C)   4
   D)   Option A& C

80. Is zero a cardinal number?

   A)   Yes
   B)   No
   C)   Yes, only sometimes
   D)   None of the above

81. How many numbers are there between 10 and 20?
   A) 12
   B) 9
   C) 30
   D) 10

82. How many numbers are there between 57 and 73?

A)   24
B)   15
C)   26
D)   22

83. What is the value of 57-8?
A)   48
B)   51
C)   50
D)   49

84. What is the value of 78-12?
A)   82
B)   80
C)   90
D)   66

85. If we subtract 9 from 41 what do we get?
A)   35
B)   33
C)   32
D)   30

86. How many tens are needed in 3 ones to make it 53?
   A) 5
   B) 8
   C) 9
   D) 7

87. How many ones are needed in two tens to make it 28?
A) 2
B) 8
C) 10
D) 9

88. What do we get after adding 5, 10, and 15?
A) 25
B)30
C) 15
D) 35

89. What do we get after subtracting 30 from 60?
A) 30
B) 40
C) 80
D) 90

90. What is the value of 50-34 =

A)17
B)16
C) 14
D) 20

91. What is the value of 70-23=
A) 46
B) 47
C) 40
D) 45

92. Leila had 34 candies. If she shares 10 candies with John, 7 candies with Steve, and 3 candies with Robert, how many candies does she have with herself?
   A)   14
   B)   10
   C)   30
   D)   31

93. Joy went to buy notebooks in a stationary shop. He gave the shopkeeper $ 20. If he gets $ 17 back, how much did the notebooks cost?
   A) $20
   B) $17
   C) $3
   D) $7

94. What is the value of 300+ 421?

   A) 721
   B) 700
   C) 720
   D) 719

95. What is the expanded form of 415?
   A)   400-15
   B)   400+15
   C)   430-15
   D)   400+30

96. What is the expanded form of 450?
   A) 400- 50
   B) 415+ 35
   C) 400+35
   D) None of these

97. What is the value of 612+435?
   A) 1047
   B) 1000
   C) 1100
   D) 1234

98. There were fifty tennis rackets and fifty-nine hockey sticks. How many more hockey sticks were there than tennis rackets?
 A) 10
 B) 50
 C) 9
 D) 5

99. If we subtract five hundred from one thousand, we get?
   A) 400
   B) 300
   C) 1000
   D) 500

100. If we add twenty-eight in thirty-two, we get the value-

 A)   50
 B)   56
 C)   60
 D)   62

101. How many days are there in a week?

   A) 5
   B) 8
   C) 7
   D) 6

102. If Stephen had a holiday for 3 days in a week, how many days did he actually go to school?
A)   5
B)   4
C)   2
D)   6

103. How many days are there in a year?
A) 364
B) 365
C) 362
D) 360

104 Katherine and her cousins were making clay pots. They together made 17 pots. If Kathrine made 4 pots. How many pots did her cousins make?
A) 14
B) 13
C) 24
D) None of the above

105. Stanley found 50 tennis balls in the storeroom. Harry said that there should be 65 tennis balls. How many balls were missing?
A) 6
B) 7
C) 15
D) No ball was missing.

106. How many days are there in the month of January?

A) 28
B) 30
C) 31
D) 32

107. Lisa looked at the clock and it showed 4. The outside was clear and sunny. What was the time?

    A).4 a.m.

    B) 4 p.m.

    C) Both the options are incorrect

    D) Both the options are correct

108. What is the date 2 days before 2nd November 2022?

A) 30th October 2022

B) 4th November 2022

C) 31st October 2022

D) 29th October 2022

108. What is the date one day after 31st December 2022?

A) 1st January 2021

B) 1st January 2022

C) 1st January 2023

D) 31st January 2023

109. What is the date after 9th June 2019?

A) 10th June 2019

B) 10th June 2020

C) 10th June 2021

D) 10th June 2000

110. If it was Friday 2nd June 2021, what would be the day on 4th June 2021?

A) Monday

B) Sunday

C) Saturday

D) January

111. What season comes after summer?

A) Fall
B) Spring
C) Both A and B
D) None of the above

112. A 50 m tall building has an 18 m tall tower then what is the height of the top of the tower from the ground?
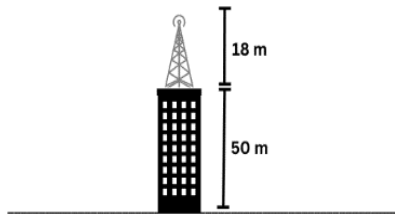
A) 18 m   B)68m   C)50m   D)32m

113. 5 vehicles are parked in a parking lot. If 3 vehicles are having 2 wheels and the remaining vehicles are having 4 wheels then how many wheels are present in the parking lot?
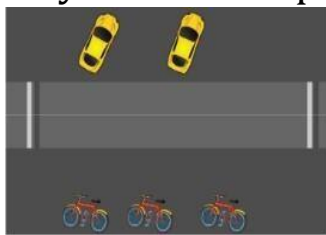
A) 14   B) 15   C) 16   D)17

114. What is the number of days in a particular year if February has 28 days?

A) 365   B) 364   C) 366   D) can't say

115. What season comes right before spring?
 A) Summer   B) winter C) Fall   D) None of the above

116. Christen enjoyed the spring season very much but he is not
sure what season will be the next. Help him out.
A) Spring
B) Winter
C) Fall
D)Summer

117. If from the given number Anna had to skip 4 numbers after
12 to get the right answer. What is the right answer?
A) 16
B) 12
C) 10
D) 15

118. Neville was asked to cross five houses from the 3rd house in
a row to reach the last house. How many houses are there in the
row?
A) 8
B) 9
C) 10
D) 11

119. If Shawn was asked to give 5 eggs to Leila, 3 to Ashton, and
12 to Tina. How many eggs did he give away in total?
A) 20
B) 22
C) 18
D) 8

120. If Nina had 45 candies of which she lost 34 while returning home from school, how many candies remained with her?
A)11
B)12
C)10
D)9

121. If Jerry ate 5 cheese slices and Tom ate 7 Cheese slices then how many cheese slices were finished?

 A) 2   B)7   C)5   D)12

122. Bill and Joe are making airplanes. Bill made 45 and Joe made 56. Who has made more airplanes?

A) Bill
B) Joe
C) Both of the above
D) None of the above

123. Ashton and Kia went fishing. Kia caught 27 fish and Ashton caught 45. Who caught fewer fish?

A) Kia
B) Ashton
C) Both Kia and Ashton
D) None of the above

124. Steve and Harvey were playing card games. They each had 50 cards with them. Who has the most cards?

A) Steve
B) Harvey
C) Both have equal cards
D) None of the options is correct

ANSWER KEY

QUESTION NO.	ANSWER	QUESTION NO.	ANSWER
1	B	41	A
2	B	42	B
3	C	43	C
4	B	44	D
5	B	45	A
6	B	46	B
7	D	47	A
8	B	48	C
9	B	49	D
10	A	50	C
11	C	51	B
12	A	52	A
13	B	53	A
14	B	54	A
15	C	55	D
16	B	56	B
17	A	57	B
18	D	58	C
19	A	59	B
20	A	60	A
21	D	61	C
22	A	62	A
23	B	63	A
24	B	64	A
25	D	65	B
26	C	66	C
27	A	67	B
28	A	68	B
29	B	69	A
30	D	70	B
31	C	71	B
32	A	72	A
33	C	73	D
34	B	74	C
35	C	75	B
36	C	76	B
37	B	77	B
38	C	78	B
39	A	79	D
40	B	80	B

ANSWER KEY

QUESTION NO.	ANSWER		QUESTION NO.	ANSWER
81	B		121	D
82	A		122	B
83	D		123	A
84	D		124	C
85	C			
86	A			
87	B			
88	B			
89	A			
90	B			
91	B			
92	A			
93	C			
94	A			
95	B			
96	B			
97	A			
98	C			
99	D			
100	C			
101	C			
102	D			
103	B			
104	B			
105	C			
106	C			
107	C			
108	C			
109	A			
110	B			
111	A			
112	B			
113	C			
114	A			
115	C			
116	D			
117	A			
118	A			
119	A			
120	A			