General Instructions:

• There are total **180 Questions** in the Test.

• The total duration of the test is **180 Minutes**.

• There is **0.25 Negative Marking** for each wrong answer and **1 mark** will be awarded for each correct answer.

• There are **6 Sections** and the break up is mentioned below:

Section Name	No. of Questions	Question Nos.
Analytical Reasoning Skills Part A	30	01 to 30
Analytical Reasoning Skills Part B	30	31 to 60
Quantitative Skills Part A	30	61 to 90
Quantitative Skills Part B	30	91 to 120
Verbal Skills Part A	30	121 to 150
Verbal Skills Part B	30	151 to 180

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Section 1 - Analytical Reasoning Skills Part A

No. of Questions: 30

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1) Select one of the following four options that will make the 2nd pair analogous to the 1st pair given.

CHOCOLATE : COHCOETAL :: ACTOR :?

A) CROAT
B) CATOR
C) CATRO
D) CAROT

---

2) Select one of the following four options that will make the 2nd pair analogous to the 1st pair given.

Hexagon : 9 :: Decagon : ?

A) 50
B) 45
C) 40
D) 35

---

3) Read the information given below and answer the question that follows.

Anant is taller than 2 of his friends. Eshwar is not the tallest. Bala is shorter than only 1 person. David is not the shortest. Charles is the 2nd shortest. If all of them have different heights, then who is the tallest person among the 5 friends?

A) Anant
B) Eshwar
C) Bala
D) David

---

4) Read the information given below and answer the question that follows.

Anant is taller than 2 of his friends. Eshwar is not the tallest. Bala is shorter than only 1 person. David is not the shortest. Charles is the 2nd shortest. If all of them have different heights, then who is the shortest person among the 5 friends?

A) Anant
B) Eshwar
C) Bala
D) David

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5) Read the information given below and answer the question that follows.

6 exams are to be conducted on 6 consecutive days starting from Monday. The exams to be conducted are English, Mathematics, Hindi, Physics, Chemistry and Biology but not in the same order. Neither Physics nor Mathematics can be conducted on Wednesday. There are 2 exams after Biology. There are 2 exams in between Biology and English. Neither Chemistry nor Mathematics is conducted on Friday.There are 3 exams in between Physics and Mathematics and Mathematics exam is conducted after Biology.

Hindi exam is conducted on

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

---

6) Daniel's father's only daughter's husband is Terrince. How is Terrince related to Daniel?

A) Father
B) Uncle
C) Brother in law
D) Brother

---

7) Pointing to a photograph of a person James said, the person in the photogrpah is my maternal grandfather's only son's son. How is the person in the photograph related to James?

A) Father
B) Cousin
C) Brother
D) Son

---

8) In a certain code language, MOBILE is coded as GNKDQO. How is the word RADIO coded in that language?

A) PJFCT
B) QKFCT
C) QJECT
D) PKFBT

---

9) In a certain code language, BAG is coded as 4149 and CAT is coded as 91400. How is MAN coded in that language?

A) 1961225
B) 1691196
C) 1441169
D) 1211100

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10) Read the information given below and answer the question that follows.

In a certain code language some of the sentences are coded as below

"all are good" is coded as "mic nic jic"

"we are fine" is coded as "jic sic luk"

"we look good" is coded as "nic sic ruk"

What is the code for the word "look"?

A) ruk
B) nic
C) jic
D) sic

---

11) Given below are 2 statements followed by 2 conclusions. Choose the conclusion/conclusions that follows the given statements by selecting the right option.

Statements:

I. All chocolates are biscuits

II. Some chocolates are cakes

Conclusions:

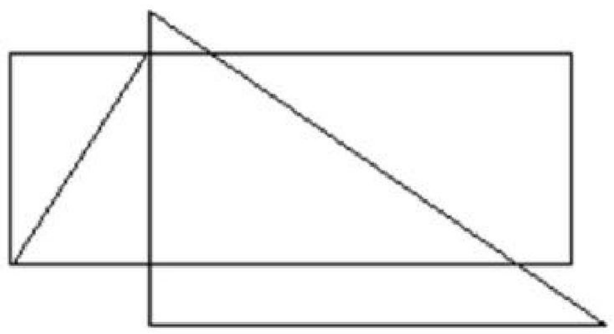
I. Some cakes are biscuits

II. No cake is a biscuit

A) Only conclusion I follows
B) Only conclusion II follows
C) Both the conclusions I and II follow
D) Neither conclusion I nor conclusion II follows

---

12) How many triangles are there in the figure given below?



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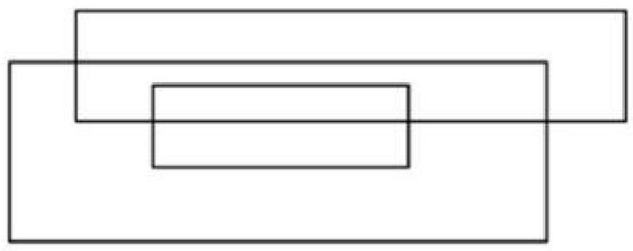
A) Five
B) Four
C) Three
D) Two

---

13) How many rectangles are there in the figure given below?



A) Three
B) Four
C) Five
D) Six

---

14) How many more triangles are there in the 1st figure as compared to the 2nd figure?

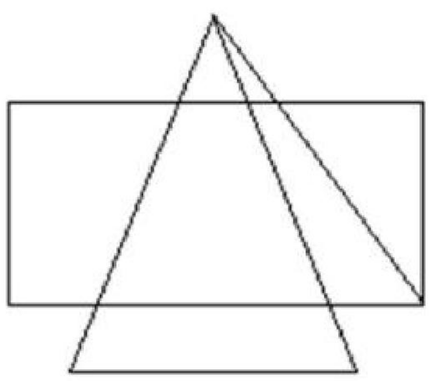


Fig 1

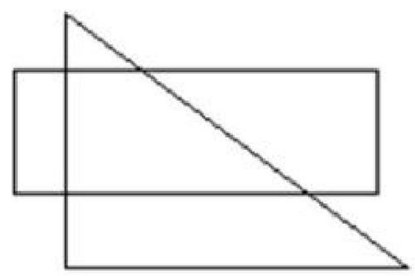


Fig 2

A) Three
B) Four
C) Five
D) Six

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15) Given below a question followed by 2 statements. Which of the following statement(s) is/are sufficient to answer the question?

Question: How many days are there in the month X?

Statements:

I. The month just before X has 31 days.

II. The month just after X has 31 days

A) Statement I alone is sufficient
B) Sttement II alone is sufficient
C) Both statements I and II together are sufficient
D) Neither statement I nor statement II are sufficient

---

16) Assuming the statement given in the question to be true, point out the inference as one of the following

(a)- True

(b) – False

(c) – Uncertain

(d) – Irrelevant

Statement: All those commodities which are costly are not of good quality

Inference: Quality can not be judged by cost

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

---

17) Assuming the statement given in the question to be true, point out the inference as one of the following

(a)- True

(b) – False

(c) – Uncertain

(d) – Irrelevant

Statement: Party X has not won a single seat in the recently concluded Assembly elections.

Inference: The members who contested from party X have not given fight in any of the constituencies.

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

---

18) Assuming the statement given in the question to be true, point out the inference as one of the following

(a)- True

(b) – False

(c) – Uncertain

(d) – Irrelevant

Statement : 3/4th of the population of a country are literates and 20% of them work abroad.

Inference: 85% of the population of the country work within the country.

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

---

19) Given below is a statement followed by 2 inferences. Choose the inference that can be inferred from the given statement by selecting the right option.

Statement : Ninety five percent of all new drugs that test safe and effective in animal tests fail or cause harm in human clinical trials.

Inferences:
I. There is no point in testing the vaccines on animals before testing them on human beings.
II. The genes of human are different as compared to the genes of animals.

A) Only inference I follows
B) Only inference II follows
C) Both inferences I and II follow
D) Neither inference I nor inference II follows

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20) Given below is a statement followed by 2 inferences. Choose the inference that can be inferred from the given statement by selecting the right option.

Statement: In a rain affected cricket match Team A won against Team B by duckworth lewis rule by 50 runs.

Inferences:

I. Duckworth lewis is a rule to finalize the winner of a cricket match in case if the match is affected by rain.
II. Team B batted first

A) Only inference I follows
B) Only inference II follows
C) Both inferences I and II follow
D) Neither inference I nor inference II follows

---

21) In three of the options, the 2nd number is related to the 1st number in a similar logical way.Which is the odd one out?

A) 764 - 17
B) 153 - 9
C) 679 - 21
D) 962 - 17

---

22) For every 5 wrappers given back to a shop, the shopkeeper gives 1 chocolate free. The cost of each chocolate is ₹1. If Alex has ₹ 100, with him, then what is the maximum number of chocolates he can taste?

A) 100
B) 110
C) 120
D) 124

---

23) While counting the numbers from 1 to 10, Garry left one number. The number that he left was greater than 3 but less than 9. It was an even number and the number when reversed looks like another number. Which number is it?

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

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24) What is the next number in the series given below?

3, 5, 8, 13, 20, 31, ?

A) 37
B) 40
C) 44
D) 48

---

25) Which is the next number in the series given below?

11, 12, 26, 81, 328, ?

A) 1375
B) 1485
C) 1540
D) 1645

---

26) What is the next number in the series given below?

10, 11, 13, 17, 25, 32, 37, 47, ?

A) 62
B) 58
C) 55
D) 50

---

27) There are 4 words given below. 3 of them are similar and can be classified in to a group. Which of these words forms a group?

1) Rectangle

2) Cuboid

3) Hexagon

4) Triangle

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

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28) There are 4 words given below. 3 of them are similar and can be classified in to a group. Which of these words forms a group?

1) Accenture

2) Infosys

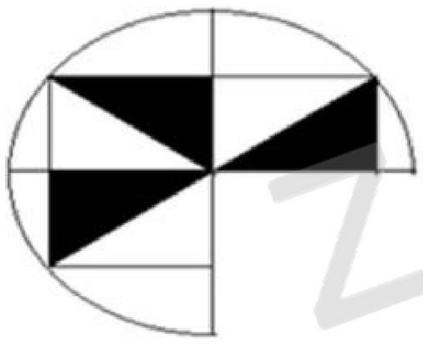
3) Cognizant

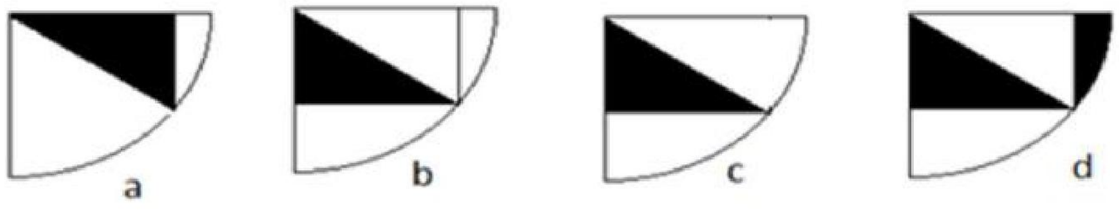
4) BSNL

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

---

29) Given below is an image followed by 4 options. Which of these options fit in the blank part of the image?





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

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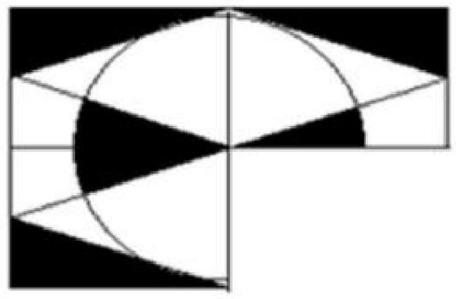
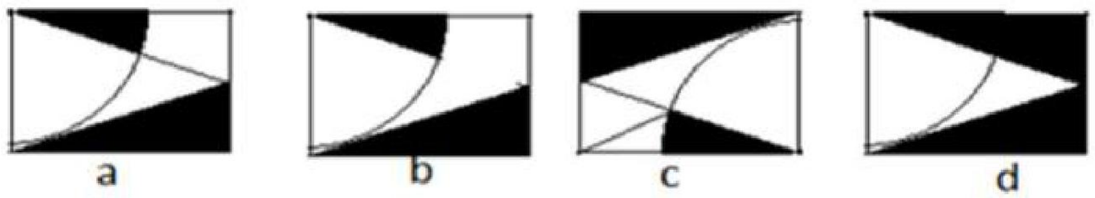
30) Given below is an image followed by 4 options. Which of these options fit in the blank part of the image?





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

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Section 2 - Analytical Reasoning Skills Part B

No. of Questions: 30

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31) Select one of the following four options that will make the 2nd pair analogous to the 1st pair given.

(1 @ 3 @ 6) : 100 :: (2 @ 3 @ 5) : ?

A) 100
B) 121
C) 144
D) 169

---

32) Select one of the following four options that will make the 2nd pair analogous to the 1st pair given.

Australia : Kangaroo :: Bangladesh : ?

A) Elephant
B) Leopard
C) Lion
D) Tiger

---

33) In a row of kids, Alex is 13^{th} from the leftmost end and Jeevan is 12^{th} from the rightmost end. If there are 4 kids in between them and Alex is to the left of Jeevan, then how many kids are there in total?

A) 27
B) 28
C) 29
D) 30

---

34) Read the information given below and answer the question that follows.

6 exams are to be conducted on 6 consecutive days starting from Monday. The exams to be conducted are English, Mathematics, Hindi, Physics, Chemistry and Biology but not in the same order. Neither Physics nor Mathematics can be conducted on Wednesday. There are 2 exams after Biology. There are 2 exams in between Biology and English. Neither Chemistry nor Mathematics is conducted on Friday.There are 3 exams in between Physics and Mathematics and Mathematics exam is conducted after Biology.

Which exam is conducted on wednesday?

A) Chemistry
B) Biology
C) Hindi
D) Physics

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35) According to Annu, her father-in-law, Harshpal's only son is father of Adi. Then how is Adi's sister related to Harshpal?

A) Daughter-in-law
B) Niece
C) Sister
D) Grand-daughter

36) Anitha's mother's sister's father's only son is David. How is Anitha related to David?

A) Aunt
B) Mother
C) Sister
D) Niece

37) If DELHI is coded as CCIDD, then we can encode BOMBAY as

A) AJMTVT
B) AMJXVS
C) MJXVSU
D) WXYZAX

38) Read the information given below and answer the question that follows.

In a certain code language some of the sentences are coded as below

"all are good" is coded as "mic nic jic"

"we are fine" is coded as "jic sic luk"

"we look good" is coded as "nic sic ruk"

What is the code for the word "fine"?

A) sic
B) ruk
C) luk
D) mic

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39) Given below are 2 statements followed by 2 conclusions. Choose the conclusion/conclusions that follows the given statements by selecting the right option.

Statements:

I. All boxes are cubes

II. All cuboids are boxes

Conclusions:

I. All cuboids are cubes

II. Some cubes are boxes

A) Only conclusion I follows
B) Only conclusion II follows
C) Both the conclusions I and II follow
D) Neither conclusion I nor conclusion II follows

---

40) Given below are 3 statements followed by 3 conclusions. Choose the conclusion/conclusions that follows the given statements by selecting a right option.

Statements:

I. Some flowers are fruits

II. No fruit is a vegetable

III. All plants are vegetables

Conclusions:

I. No plants are fruits

II. Some flowers are not vegetables

III. All plants are flowers

A) Only conclusion I follows
B) Both the conclusions I and II follow
C) Both the conclusions II and III follow
D) None of the conclusions follow

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41) In three of the given options the first and second number follow the same property. Which is the odd one out?

A) (55, 67)
B) (24, 62)
C) (52, 95)
D) (44, 82)

---

42) How many more rectangles are there in the 1st figure as compared to the 2nd figure?[Note: Square is also a rectangle]

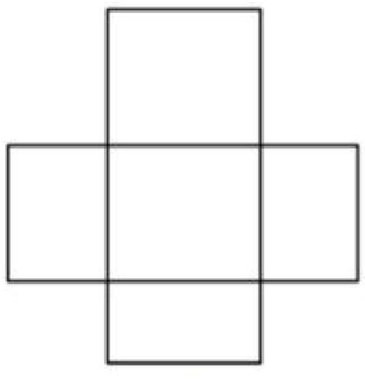

Fig 1

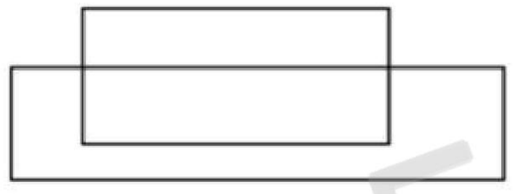

Fig 2

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A) Four
B) Five
C) Six
D) Seven

---

43) Given below is a question followed by 2 statements. Which of the following statement(s) is/are sufficient to answer the question?

Question: Does John went to market yesterday?

Statements:

I. John goes to market every alternate days

II. Today is Wednesday

A) Statement I alone is sufficient
B) Statement II alone is sufficient
C) Both statements I and II together are sufficient
D) Neither statement I nor statement II are sufficient

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44) Given below a question followed by 2 statements. Which of the following statement(s) is/are sufficient to answer the question?

Question: What is the speed of car "x"?

Statements:

I. Car "x" takes 3 times the time taken by car "y" to cover a certain distance

II. The speed of car "y" is 120 kmph.

A) Statement I alone is sufficient
B) Statement II alone is sufficient
C) Both statements I and II together are sufficient
D) Neither statement I nor statement II are sufficient

---

45) Given below is a question followed by 2 statements. Which of the following statement(s) is/are sufficient to answer the question?

Question: What is the measure of angle A in triangle ABC?

Statements:

I. Triangle ABC is isosceles

II. The measure of the angle B in triangle ABC is 45 degrees

A) Statement I alone is sufficient
B) Statement II alone is sufficient
C) Both statements I and II together are sufficient
D) Neither statement I nor statement II are sufficient

---

46) Assuming the statement given in the question to be true, point out the inference as one of the following

(a)- True

(b) – False

(c) – Uncertain

(d) – Irrelevant

Statement: Jeevan goes to fish market every alternate day and he went there day before yesterday.

Inference: Jeevan will not go to the fish market tomorrow.

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

---

47) Given below is a statement followed by 2 inferences. Choose the inference that can be inferred from the given statement by selecting the right option.

Statement: Out of 400 students who have appeared for an exam, a total of 40% students have passed out of which 100 are girls.

Inference:
I. Number of boys who passed the exam is less than the number of girls who passed the exam.
II. The number of girls who appeared in the exam is more than the number of boys who appeared in the exam.

A) Only inference I follows
B) Only inference II follows
C) Both inferences I and II follow
D) Neither inference I nor inference II follows

---

48) Given below is a statement followed by 2 inferences. Choose the inference that can be inferred from the given statement by selecting the right option.

Statement : The bus fair has been hiked due to the change in the price of petroleum products.

Inferences:

I. The price of petroleum products has increased.
II. Usually the government hikes the bus fair every year.

A) Only inference I follows
B) Only inference II follows
C) Both inferences I and II follow
D) Neither inference I nor inference II follows

---

49) Which one of the following statements can be inferred from these two given statements?

Statements:
I. First day of the month falls on Tuesday.
II. The month has 30 days.

A) The last day of the month falls on Tuesday
B) The last day of the month falls on Saturday
C) The last day of the month falls on Friday
D) The last day of the month falls on Wednesday

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50) In three of the options, the 2nd word is related to the 1st word in a similar logical way.Which is the odd one out?

A) MOUSE - OMUES
B) BREAK- RBEKA
C) TAKEN - ATKNE
D) DRAMA - RDAMA

51) In three of the options, the first number is related to the second number in the same logical way. Which is the odd one out?

A) 123 : 6
B) 345 : 12
C) 160 : 8
D) 634 : 13

52) A cube has to be cut in to 27 smaller cubes. What is the minimum number of cuts required to do so?

A) 12
B) 9
C) 8
D) 6

53) Ramesh has certain number of marbles. If he divides them equally among 5 kids or 4 kids or 3 kids or 2 kids, he will be left with nothing. What could be the minimum number of marbles that he has?

A) 30
B) 40
C) 50
D) 60

54) What is the next number in the series given below?

4, 2, 2, 3, 6, 15, ?

A) 45
B) 30
C) 25
D) 20

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55) What is the next number in the series given below?

5, 6, 8, 14, 38, 158, ?

A) 428
B) 528
C) 628
D) 878

---

56) There are 4 numbers given below. 3 of them are similar and can be classified in to a group. Which of these numbers forms a group?

1) 121

2) 169

3) 289

4) 441

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

---

57) There are 4 words given below. 3 of them are similar and can be classified in to a group. Which of these words forms a group?

1) Father

2) Mother's husband

3) Son's grandfather

4) Paternal grandfather's only son

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

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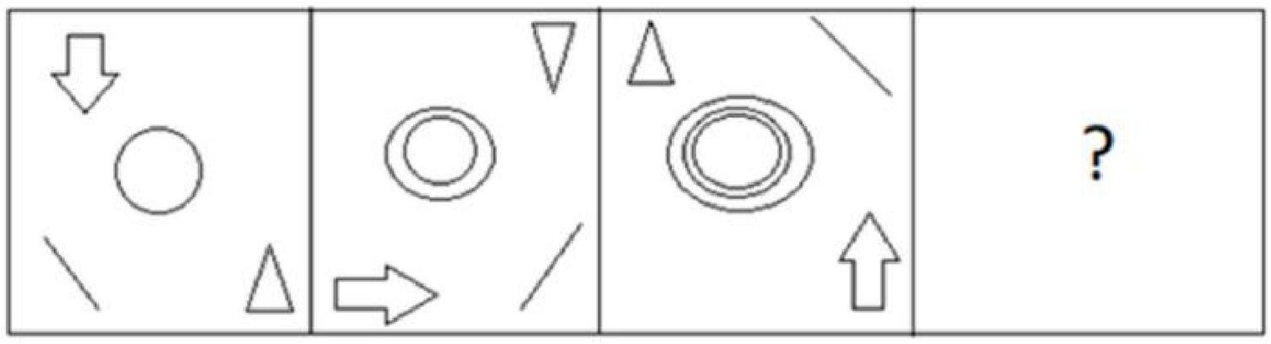
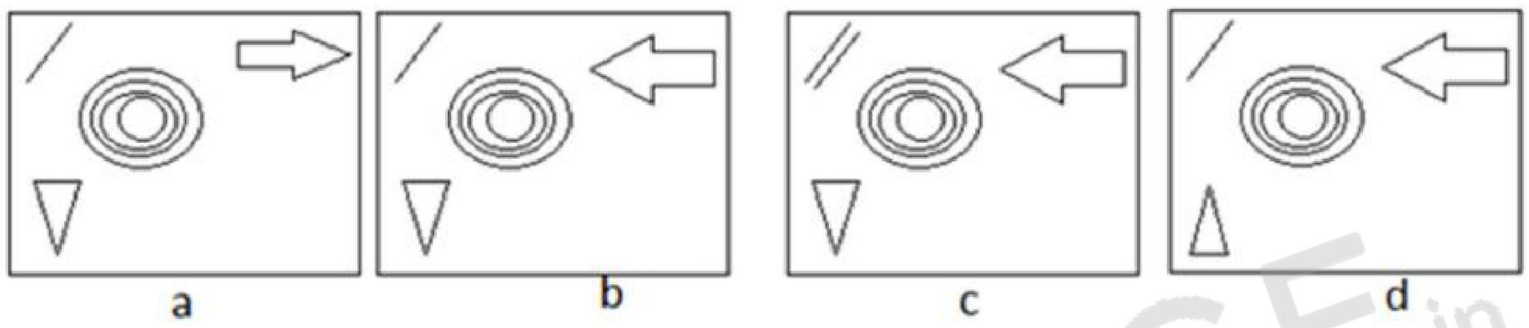
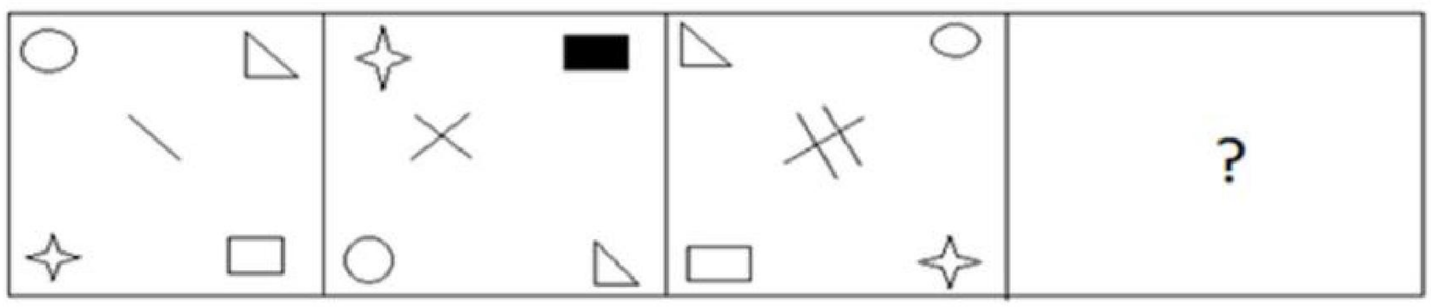
58) Which figure replaces the question mark in the given figure series?

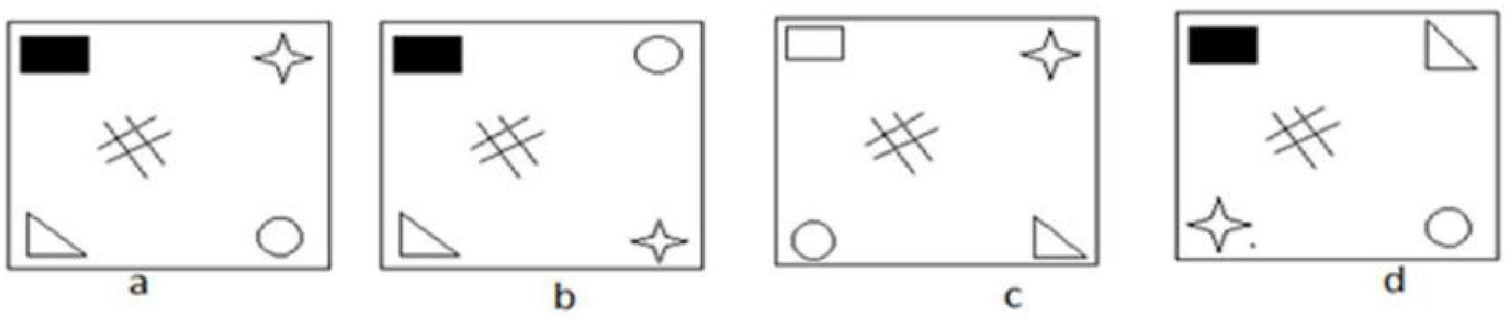




A) a
B) b
C) c
D) d

59) Which figure replaces the question mark in the given figure series?





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

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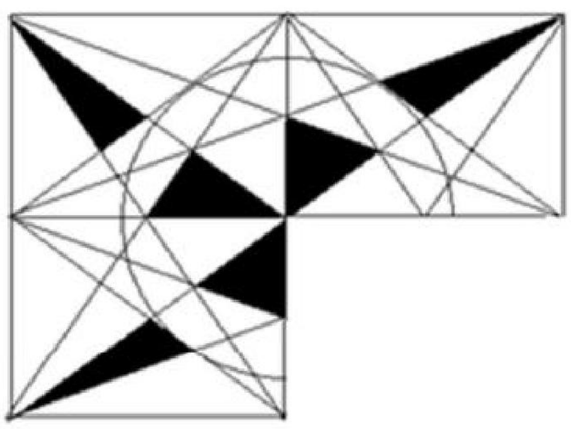
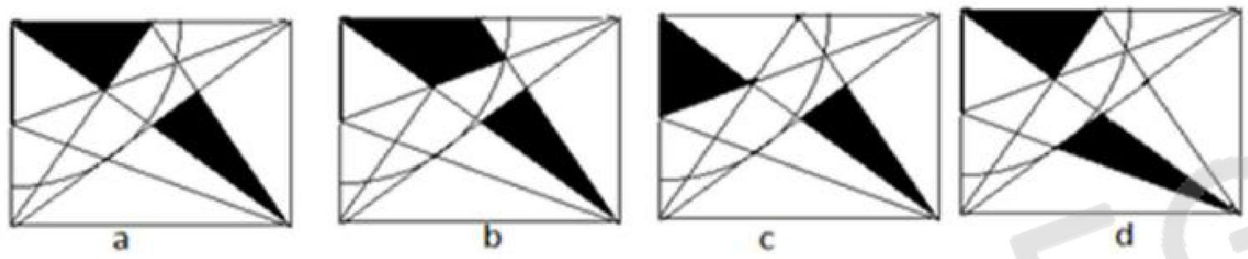
60) Given below is an image followed by 4 options. Which of these options fit in the blank part of the image?





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

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Section 3 - Quantitative Skills Part A

No. of Questions: 30

61) In an office with 30 trainee and a team lead, the average age of the whole team decreases by 1 year when team lead is excluded. If the average age of the whole team is 27 years, then what is the age of the team lead?

A) 54 years
B) 55 years
C) 56 years
D) 57 Years

62) 20 friends went to a movie theatre. The average cost of the movie ticket for 19 friends was ₹ 120. But one of the friends paid ₹ 38 more than the average cost for all the 20 friends. What was the total amount paid by all of them together?

A) ₹ 2,438
B) ₹ 2,440
C) ₹ 2,204
D) ₹ 2,140

63) What is the total amount received after 1 year if a sum of ₹ 36,875 is invested at the annual interest rate of 16% compounded half yearly?

A) ₹ 43,001
B) ₹ 43,011
C) ₹ 43,021
D) ₹ 43,031

64) At what rate of interest per annum compounded annually will a sum of money become 81 times in 4 years?

A) 50%
B) 100%
C) 150%
D) 200%

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65) Simplify 243.016 + 19.98 + 32.86 + 11.589 + 38.9 =

A) 283.285
B) 376.259
C) 246.247
D) 346.345

---

66) Which of the following fractions given in the options is the smallest?

A) 19/23
B) 29/47
C) 4/7
D) 17/39

---

67) The length of sides of a triangular field are 32 m, 27 m and 11 m. What is the approximate area of triangle?

A) 132 m^2
B) 142 m^2
C) 152 m^2
D) 162 m^2

---

68) The perimeter of a rhombus is 40 cm and the length of one of the diagonals of the rhombus is 16 cm. What would be the area of the rhombus?

A) 40 sq. cm
B) 64 sq. cm
C) 96 sq. cm
D) 100 sq. cm

---

69) If A means ‘Multiplication’, B means ‘Division’, C means ‘Addition’ and D means ‘Subtraction' then what is the value of 306 B 34 A 7 D 7 C 5?

A) 32
B) 43
C) 54
D) 61

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70) If '+' means 'Multiplication', '-' means 'Division', ' * ' means 'Addition' and ' / ' means 'Subtraction" then what is the value of 13 + (54 - 9) / (17 * 9 + (18 - 3 / 4)) ?

A) 37
B) 39
C) 41
D) 43

---

71) What is the sum of all the the factors of 55?

A) 16
B) 66
C) 71
D) 72

---

72) What is the product of all the factors of 28?

A) 21,952
B) 10,976
C) 2,744
D) 392

---

73) If the expansion of 126! is completely divisible by 3^k, then what is the maximum value of k? (N! is the product of all the positive integers from N to 1)

A) 56
B) 61
C) 19
D) 72

---

74) How many continious zeros are there at the end of the expansion of 69!? (N! is the product of all the positive integers from N to 1)

A) 15
B) 16
C) 17
D) 18

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75) A person multiplied a number by 7/13 instead of 17/13. What is the percentage of error in the calculation?

A) 58.62
B) 58.82
C) 58.02
D) 58.42

---

76) If the price of petrol increases first by 10% and then by 15% in a particular month, then what is the total percentage increase in the price of petrol in that month?

A) 26
B) 26.5
C) 27
D) 27.5

---

77) In an election between 2 contestants, 20% of the total votes were declared invalid and one of the contestants got 35% of the total valid votes. If the total number of votes in that election is 4,850 then what is the total number of valid votes that the other contestant got?

A) 2,522
B) 2,512
C) 2,502
D) 2,436

---

78) Thahir spends 32% of his total income to maintain his family, 23% on his personal expenses and 70% of the remaining on children's education and saves the remaining. What percent of his income is his savings?

A) 13.8
B) 13.7
C) 13.6
D) 13.5

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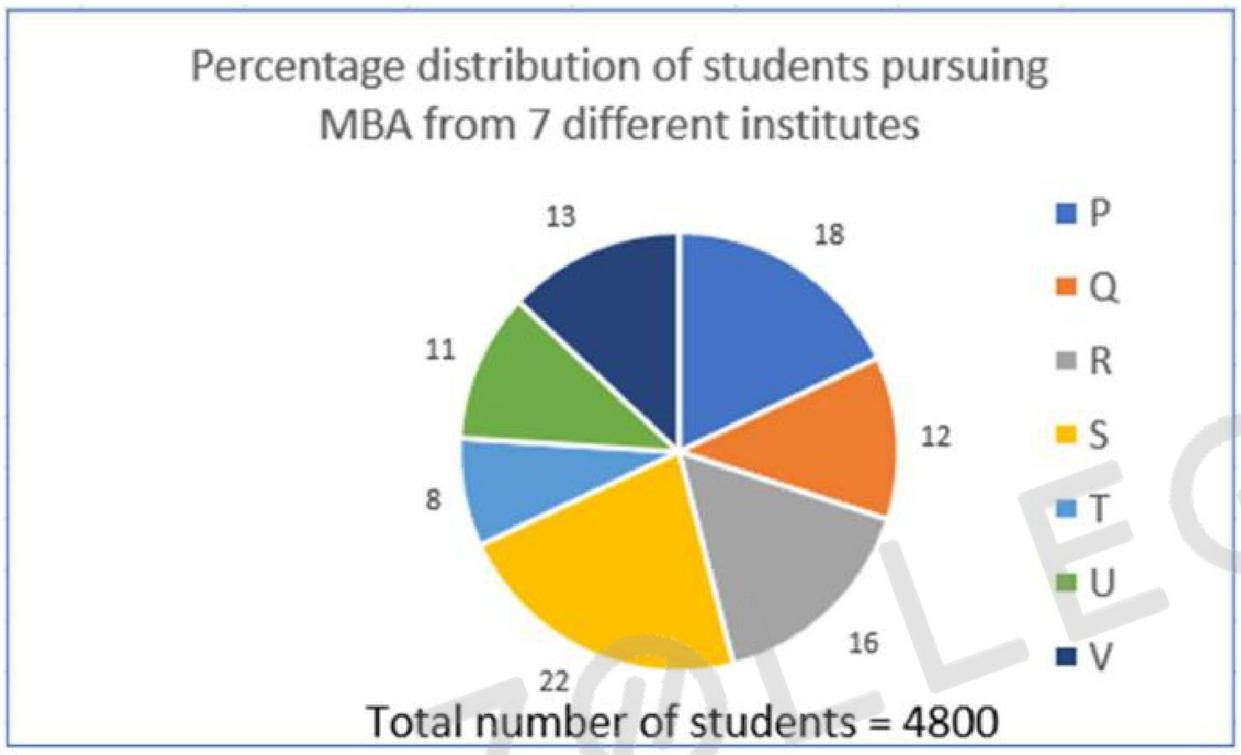
Directions for Questions 79 - 80:

Study the data given below and answer the questions that follow.

79)



The following table shows the ratio of male students to female students in the 7 institutes.

Institute	M : F
P	7 : 9
Q	5 : 4
R	5 : 7
S	6 : 5
T	3 : 5
U	7 : 4
V	7 : 5

What is the ratio of the number of female students in institute S and that of male students in institute R?

A) 3 : 7
B) 2 : 3
C) 1 : 1
D) 3 : 2

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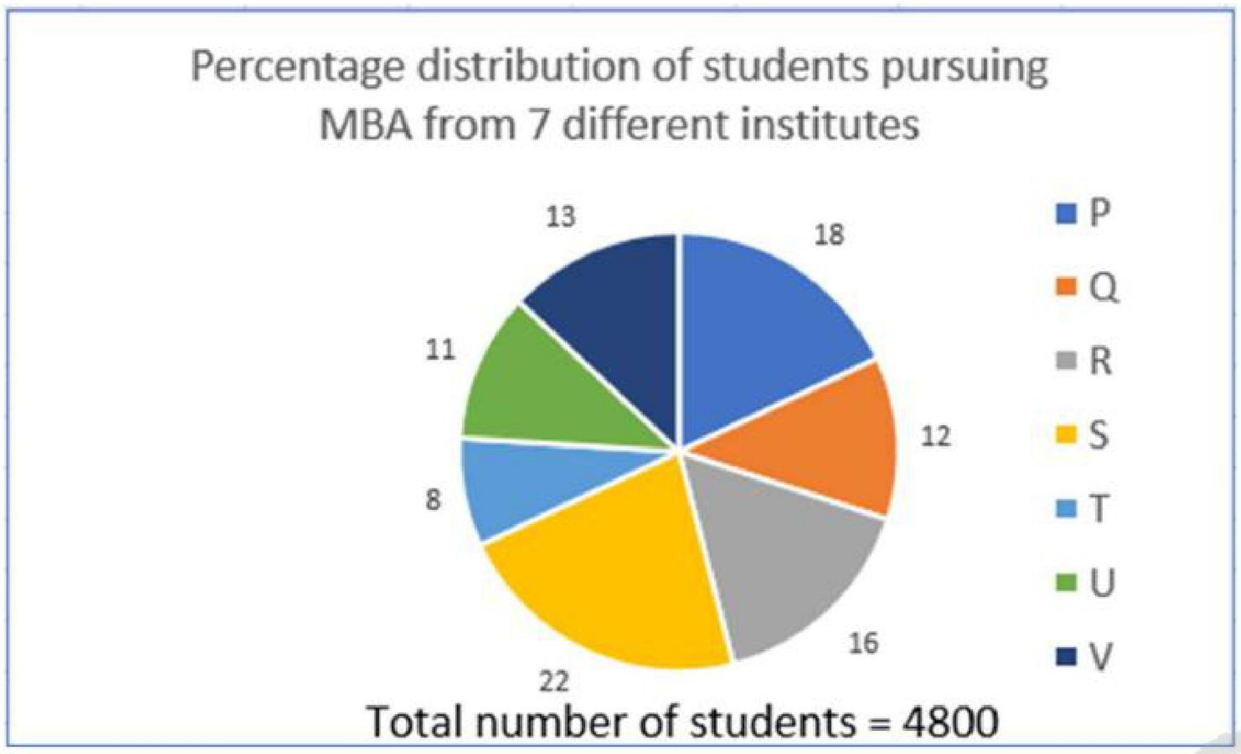
80)



The following table shows the ratio of male students to female students in the 7 institutes.

Institute	M : F
P	7 : 9
Q	5 : 4
R	5 : 7
S	6 : 5
T	3 : 5
U	7 : 4
V	7 : 5

Total number of male students in all institutes together is

A) 2438
B) 1056
C) 2117
D) 2108

---

81) Stephen bought a clock for ₹ 3,924 and sold it. If Stephen earned a profit of 25%, then what was selling price of the clock?

A) ₹ 981
B) ₹ 4,905
C) ₹ 2,943
D) ₹ 4,234

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82) If A : B = 6 : 13 and B : C = 2 : 7, then what is the value of A : B : C ?

A) 12 : 91 : 26
B) 12 : 26 : 91
C) 78 : 26 : 91
D) 12 : 26 : 42

---

83) The total share of A,B and C is 669 in such a way that the ratio of the shares of A and B is 17:27 and that of B and C is 2:5. What is the share of C?

A) 405
B) 135
C) 270
D) 223

---

84) The ratio of sugar to water in a mixture is 4:1. When 7 litres of water is added to the mixture, the ratio of sugar to water becomes 5:3. What is the quantity of sugar in the mixture?

A) 20 kgs
B) 16 kgs
C) 12 kgs
D) 8 kgs

---

85) A sum of ₹ 6,765 is divided among Ram, Lakshman and Kishan in such a way that when ₹ 29, ₹ 46 and ₹ 30 is deducted from their respective shares, the ratio of money with them becomes 49 : 34 : 65. What is the share of B?

A) ₹ 1,576
B) ₹ 1,476
C) ₹ 1,376
D) ₹ 1,676

---

86) A man takes 12 minutes to complete one round of a circular track around a park. If the speed of the man is 1 m/sec, then what is the distance of the circular track?

A) 600 metre
B) 720 metre
C) 780 metre
D) 900 metre

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87) Mallya and Malaraj start jogging together in the same direction to cover a certain distance. Mallya runs at the speed of 4 km/hr and Malaraj at 2 km/hr. If Mallya arrives 15 minutes before Malaraj, then what is the distance covered by each of them?

A) 7.5 kms
B) 3 kms
C) 2 kms
D) 1 km

---

88) Team members can complete a job in 20 days but with the help of their team leader, they can complete it in 15 days. In how many days can the team leader alone complete the job?

A) 20 Days
B) 40 Days
C) 60 Days
D) 80 Days

---

89) 12 men and 13 boys can earn ₹ 326.25 in 3 days. 5 men and 6 boys can earn ₹ 237.50 in 5 days. In how many days will 3 men and 4 boys earn ₹ 210?

A) 7 Days
B) 17 Days
C) 27 Days
D) 70 Days

---

90) Suman bought a personal computer from a shopkeeper. If he sold it for ₹ 22,116 to Manish and made a profit of 14%, then what was the price at which Suman bought the personal computer?

A) ₹ 19,400
B) ₹ 19,450
C) ₹ 19,500
D) ₹ 19,550

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Section 4 - Quantitative Skills Part B

No. of Questions: 30

91) A shopkeeper has a total daily collection of ₹ 11,200, ₹ 10,650, ₹ 11,870 and ₹ 12,180 in 4 consecutive months. What should be the daily collection in the fifth month such that the average daily collection for 5 months become ₹ 11,050?

A) ₹ 9350
B) ₹ 9300
C) ₹ 9250
D) ₹ 9200

92) In a class of 24 students, if one new student weighing 72 kg is added, then average weight of the class is increased by 1 kg. If one more student weighing 61 kg is added, then the average weight of the class increases by 1.5 kg over the initial average. What is the initial average weight (in kg) of the class?

A) 50 kgs
B) 47 kgs
C) 57 kgs
D) 40 kgs

93) The average income of a real estate agent was 1.5 lakhs per month. To increase the sales of plots next year, he decided to tie up with another real estate company for getting more income by sale of more plots to customers. After this his average income increased to 2.1 lakhs per month. What was the percentage increase in his annual income?

A) 40%
B) 45%
C) 42%
D) 48%

94) A certain sum of money becomes ₹ 13,824 after 3 years and ₹ 32,768 after 6 years if the interest is compounded annually. What is the rate of interest per annum?

A) 6.66%
B) 3.33%
C) 16.66%
D) 33.33%

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95) If a certain sum invested under compounded interest becomes 4 times of itself in 15 years then in how many years will the same sum become 16 times of itself?

A) 30 years
B) 45 years
C) 60 years
D) 64 years

---

96) Roselin borrowed a sum of ₹ 6,000 at the annual interest rate of 15% compounded annually. At the end of each year she pays back ₹ 1,200. What is the total amount she has to pay at the end of the third year in order to clear all her dues?

A) ₹ 6,158.25
B) ₹ 6,000
C) ₹ 5,132.25
D) ₹ 5,950

---

97) Arrange the given fractions in ascending order 15/19 , 7/8, 17/23 and 16/21?

A) 16/21, 7/8, 17/23, 15/19
B) 17/23, 15/19, 16/21, 7/8
C) 17/23, 16/21, 15/19, 7/8
D) 16/21, 17/23, 7/8, 15/19

---

98) What is the sum of the biggest and the smallest fraction among the given fractions 2/3, 3/4, 4/5 and 5/6?

A) 1/6
B) 2/5
C) 1 1/2
D) 2/3

---

99) If 65.7402 = 6*A + 5/B + 7*C + 4/D + 2*E, then the value of 2*A + B/5 + 10*C + D/20 + 4*E is

A) 21.3006
B) 26.2004
C) 28.5007
D) 23.7005

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100) If the perimeter of an isosceles right angled triangle is $(12 + 6\sqrt{2})$ m, then what is the area of the triangle?

A) 9 m^2
B) 18 m^2
C) 36 m^2
D) 81 m^2

---

101) If a square shaped iron sheet is folded to form a cylinder, then what will be the ratio between the diameter of the cylinder thus formed and the side of the square iron sheet?

A) $1/\pi$
B) $1/2\pi$
C) $\sqrt{2} / \pi$
D) $1/\sqrt{(2\pi)}$

---

102) If front and rear wheels of a vehicle make 10 and 20 revolutions respectively to cover the same distance, then what is ratio of the circumferences of the two wheels?

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

---

103) If ' + ' means Division, ' * ' means Addition, ' - ' means Multiplication and ' / ' means Subtraction, then what is the value of 15 + 5 - 2 / 6 * 3?

A) 1
B) 3
C) 5
D) 7

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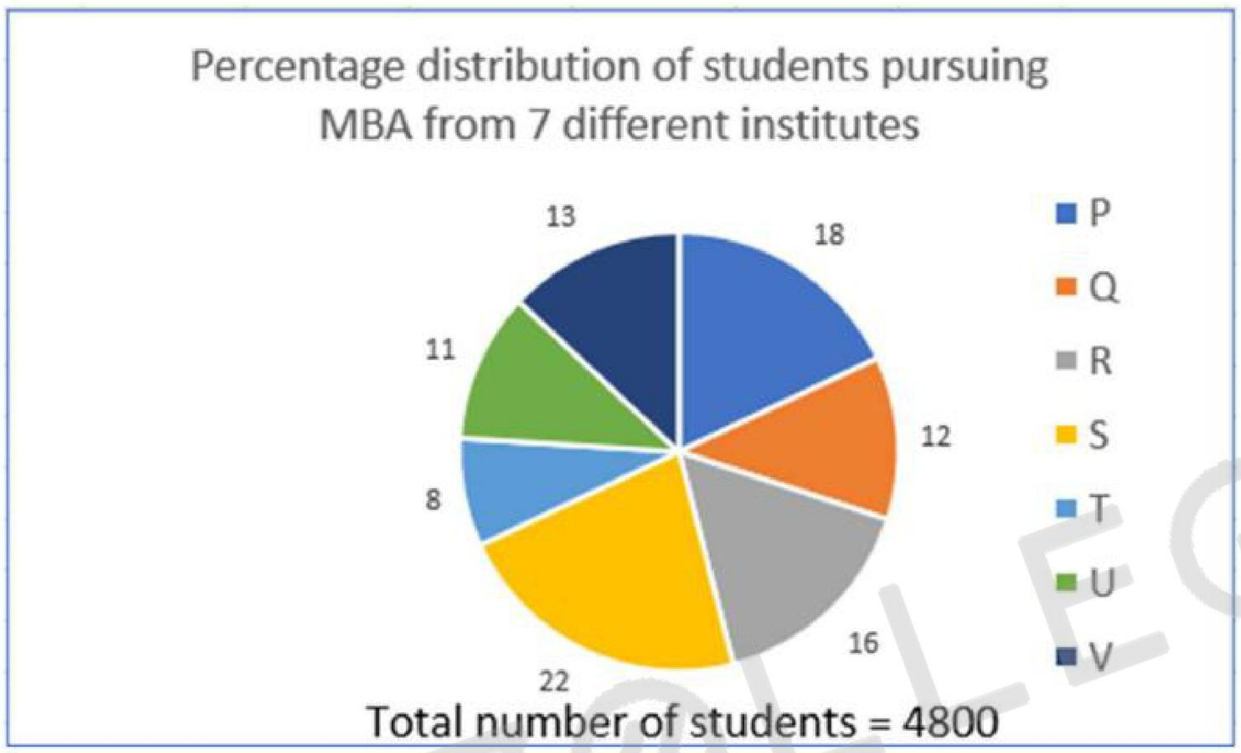
Directions for Questions 104 - 106:

Study the data given below and answer the questions that follow.

104)



The following table shows the ratio of male students to female students in the 7 institutes.

Institute	M : F
P	7 : 9
Q	5 : 4
R	5 : 7
S	6 : 5
T	3 : 5
U	7 : 4
V	7 : 5

Total number of students studying in institute Q is what percent of the total number of students studying in institute T?

A) 150%
B) 115%
C) 125%
D) 100%

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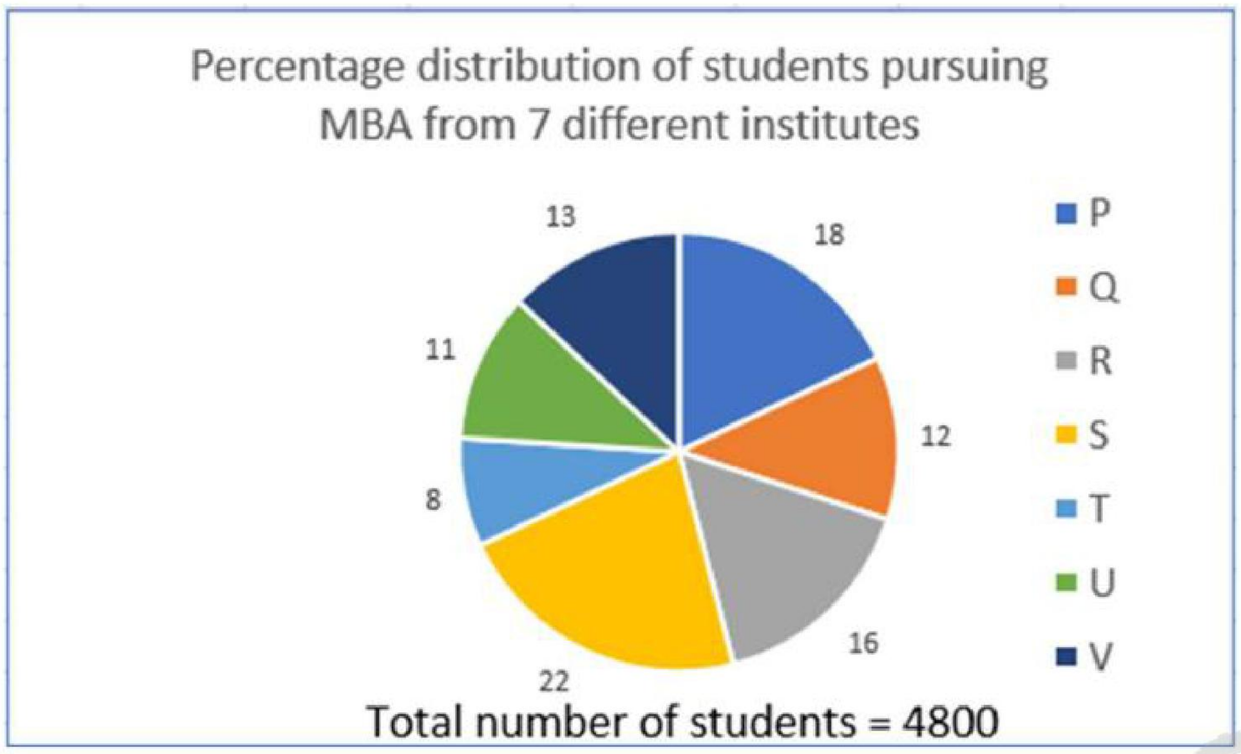
105)



The following table shows the ratio of male students to female students in the 7 institutes.

Institute	M : F
P	7 : 9
Q	5 : 4
R	5 : 7
S	6 : 5
T	3 : 5
U	7 : 4
V	7 : 5

The total number of students in institutes Q and V together is what percentage of the total number of students in institutes S and T together?

A) 66.66
B) 73.33
C) 83.33
D) 78.33

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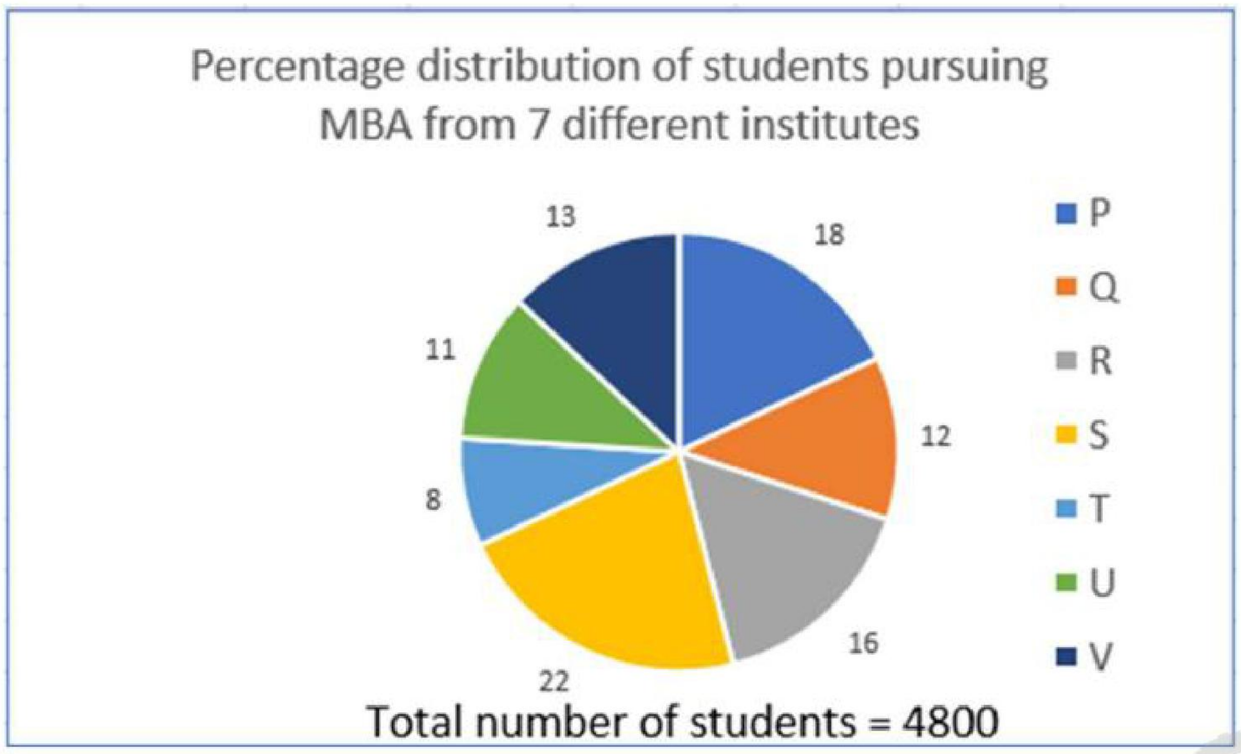
106)



The following table shows the ratio of male students to female students in the 7 institutes.

Institute	M : F
P	7 : 9
Q	5 : 4
R	5 : 7
S	6 : 5
T	3 : 5
U	7 : 4
V	7 : 5

Total number students in institute R is approximately what percent more than the total students in institute U?

A) 5%
B) 15%
C) 30%
D) 45%

---

107) If A means 'Multiplication', B means 'Division', C means 'Addition' and D means 'Subtraction' then what is the value of 23 C 17 A 14 D 133 B 19?

A) 245
B) 254
C) 269
D) 273

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108) What is the remainder when $(225)^{225}$ is divided by 14?

A) 1
B) 3
C) 5
D) 7

109) If B is 5/2 times of A then A is what percentage of B?

A) 40%
B) 20%
C) 60%
D) 50%

110) A merchant purchased 3 different varieties of rice namely P, Q and R at ₹ 15/kg, ₹ 25/kg and ₹ 30/kg. He then mixed these 3 different varieties of rice in the ratio of 3 : 5 : 2. At what price he must sell 1 kg of the mixed rice so as to make a net profit of 25%?

A) ₹ 23.50
B) ₹ 26.75
C) ₹ 21.50
D) ₹ 28.75

111) A retailer purchases shirts from a distributor at the rate of ₹ 300 per shirt and puts the label of ₹ 450 on each shirt. If the retailer allows some discount and still make a profit of 23%, then what is the discount percentage offered by the shopkeeper?

A) 16%
B) 17%
C) 18%
D) 19%

112) A dishonest trader claims to sell at a loss of 16%. However, he uses a false scale and in realty makes a profit of 20%. To what difference does he defraud his customers when he claims to sell 1 kg of an item?

A) 30 gms
B) 100 gms
C) 200 gms
D) 300 gms

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113) The ratio of ₹ 2000, ₹ 500 and ₹ 50 notes in a purse is 5 : 19 : 8. If the total money in the bag is ₹ 39,800 then what is the amout of money in the form of ₹ 500 notes?

A) ₹ 9,500
B) ₹ 27,500
C) ₹ 19,000
D) ₹ 15,400

---

114) The velocities of car, a bike and a train are in the ratio 5 : 3 : 8. If a person travels equal distances by a car, a bike and a train, then what would be the ratio of the respective times taken to cover that distance?

A) 24:40:25
B) 24:40:05
C) 24:20:15
D) 24:40:15

---

115) Sanchit and Archit cover a same distance at the rates of 10 km/hr and 12 km/hr respectively. What is the distance travelled when one takes 20 minutes longer than the other?

A) 30 kms
B) 10 kms
C) 60 kms
D) 20 kms

---

116) The speeds of two trains are in the ratio 6:7. If the second train runs 364 km in 4 hours, then the speed of the first train is

A) 60 km/hr
B) 72 km/hr
C) 78 km/hr
D) 84 km/hr

---

117) 8 men can finish a piece of work in 8 days, whereas it takes 10 women to finish it in 8 days. If 12 men and 5 women undertook to complete the work, then how many days will they take to complete it?

A) 2 Days
B) 3 Days
C) 4 Days
D) 5 Days

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118) Ajay can complete a work in 9 days working for 8 hours a day. Vijay can complete the same work in 16 days working for 4 hours a day. If they work together to complete the work, then what is the approximate percentage of work done by Vijay?

A) 51%
B) 53%
C) 55%
D) 58%

---

119) Bali can complete a certain work in 18 minutes and Lucky can complete the same work in 15 minutes. Lucky worked on it for 10 minutes and then Bali took over after that. How many minutes would Bali take to complete the remaining job?

A) 4 minutes
B) 5 minutes
C) 6 minutes
D) 7 minutes

---

120) If '/' means 'multiplication', '*' means 'addition', '+' means 'subtraction' and '-' means 'division', then the value of (54*36-9) / 13 + (6 * 17) is

A) 711
B) 721
C) 731
D) 741

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Section 5 - Verbal Skills Part A

No. of Questions: 30

---

121) Fill in the blanks with the correct option.

The Sun rises in _____ east.

A) a
B) an
C) the
D) No article required

---

122) Fill in the blanks with the correct option.

Kobe Bryant is _____ basketball player.

A) a
B) an
C) the
D) No article required

---

123) Fill in the blanks with the correct option.

He will join _____ university.

A) a
B) an
C) the
D) No article required

---

124) Fill in the blanks with the correct option.

I live on _____ 500 dollars a month.

A) the
B) a
C) an
D) No article required

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125) Fill in the blanks with the correct option.

It is _____ incomplete answer.

A) a
B) an
C) the
D) No article required

---

126) Fill in the blanks with the correct option.

Is that _____ "8" or _____ "B"? I can't read it.

A) a,an
B) an,an
C) an,a
D) a,the

---

127) Fill in the blanks with the correct option.

He is _____ M.P and his wife is _____ M.L.A

A) a,a
B) a,an
C) an,the
D) an,an

---

128) Fill in the blanks with the correct option:

He beat him _____ a stick.

A) for
B) with
C) by
D) to

---

129) Fill in the blanks with the correct option:

We huddled together for warmth_____ the blankets.

A) along
B) besides
C) into
D) beneath

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130) Fill in the blanks with the correct option.

There were very _____ people on the beach, so nobody saw the child drowning.

A) much
B) a fewer
C) few
D) very little

131) Fill in the blanks with the correct option.

Rajat has very _____ regard for what others think.

A) the little
B) a few
C) little
D) few

132) Fill in the blanks with the correct option.

The instructor told the young climbers to hold on to the rope with ____ their hands.

A) both
B) every
C) a
D) each

133) Fill in the blanks with the correct option.

I don't want my friends to have _____ to complain over this cake, so I will give it my best shot.

A) much
B) some
C) many
D) little

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134) Fill in the blanks with the correct option.

Would you like ____ bread?

A) a collection of
B) a bunch of
C) a loaf of
D) a can of

---

135) Fill in the blanks with the correct option.

There is ____ butter left . We need to buy _____ more.

A) few, any
B) little, some
C) much, many
D) few, some

Read the following passage and answer the questions (136-141):

What have I learnt after eighty years on planet earth? Quite frankly, very little. I don't believe the elders and philosophers. Wisdom does not come with age. Maybe it is born in the cradle – but this too is conjecture, I only know that for the most part I have followed instinct rather than intelligence, and this has resulted in a modicum of happiness. You will find your own way to this reward which is in the end the only reward worth having.

To have got to this point in life without the solace of religion says something for all the things that have brought me joy and a degree of contentment. Books, of course; I couldn't have survived without books and stories. And companionship – which is sometimes friendship, sometimes love and sometimes, if we are lucky, both. And a little light laughter, a sense of humour. And, above all, my relationship with the natural world – up here in the hills; in the dusty plains; in a treeless mohalla choked with concrete flats, where I once found a marigold growing out of a crack in a balcony. I removed the plaster from the base of the plant, and filled in a little earth which I watered every morning. The plant grew, and sometimes it produced a little orange flower which I plucked and gave away before it died. This much I can tell you: for all its hardships and complications, life is simple. And a nature that doesn't sue for happiness often receives it in large measure.

Was it accidental, or was it ordained or was it in my nature to arrive unharmed at this final stage of life's journey? I live this life passionately, and I wish it could go on and on. But all good things must come to an end, and when the time comes to make my exit, I hope I can do so with good grace and humour. But there is time yet, and many small moments to savour.A small ginger cat arrives on my terrace every afternoon, to curl up in the sun and slumber peacefully for a couple of hours. When he awakes, he gets on his feet with minimum effort, arches his back and walks away as he had come. The same spot every day, the same posture, the same pace. There may be better spots – sunnier, quieter, frequented by birds that can be hunted when the cat is rested and restored. But there is no guarantee, and the search will be never-ending, and there may rarely be time to sleep after all that searching and finding.

It occurs to me that perhaps the cat is a monk. By this I do not mean anything austere. I doubt anyone in single minded pursuit of enlightenment ever finds it. A good monk would be a mild sort of fellow, a bit of a sensualist, capable of compassion for the world, but also for himself. He would know that it is all right not to

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climb every mountain. A good monk would know that contentment is easier to attain than happiness, and that is enough. And what of happiness, then? Happiness is a mysterious thing, to be found somewhere between too little and too much. But it is as elusive as a butterfly, and we must never pursue it. If we stay very still, it may come and settle on our hand. But only briefly. We must savour those moments, for they will not come our way very often.

---

136) The author's perspective on life is, it is

A) complex.
B) beautiful.
C) simple.
D) worthy.

---

137) Which of the following statements is FALSE?

A) The author strongly believes that age brings wisdom.
B) The author couldn't imagine his life without books and stories.
C) The author mostly followed his instinct rather than intelligence.
D) The author maintains a harmonious relationship with the natural world.

---

138) Choose from the following the Synonym of 'conjecture' as used in the passage.

A) Conclusion
B) Assumption
C) Perception
D) Creation

---

139) Which of the following statements is TRUE?

A) A small ginger cat would arrive on the author's terrace every afternoon.
B) The author once grew a marigold plant in his backyard and used to water it every morning.
C) The author used to admire the little orange flower and would not let anyone pluck it.
D) The author asserts that he believes in elders and the philosophers.

---

140) In the author's opinion, a good monk would be a

1. mild sort of person
2. bit of sensualist
3. compassionate person
4. gloomy person

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

---

141) According to the passage, we infer that Nature is bounteous and it gives us

A) happiness and protection.
B) food and water.
C) afterlife and rewards.
D) friendship and love

---

142) Identify the synonym of the given word:

ABSOLUTE

A) division
B) complete
C) small
D) half

---

143) Identify the synonym of the given word:

ABANDON

A) try
B) join
C) keep with
D) disregard

---

144) Identify the synonym of the given word:

IMPULSIVE

A) hasty
B) calm
C) cautious
D) sensible

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145) Which of the following sentences is CORRECT?---

A) One should keep himself or herself ready for emergency.
B) No one keeps himself or herself ready for emergency.
C) One should keep oneself ready for emergency.
D) One should kept oneself ready for emergency.

---

146) Which of the following sentences is CORRECT?-

A) He eats eggs as well as fish.
B) He eat eggs as well as fish.
C) He eaten eggs as well as fishes.
D) He eats egg as well as fishes.

---

147) Which of the following sentences is CORRECT?.

A) All that glitters is not gold.
B) All these glitters is not gold
C) All that glitters are not gold
D) All glittering is not gold

---

148) Fill in the blanks with the correct option:

When was the last time you ___ a new shirt?

A) buys
B) bought
C) buy
D) buying

---

149) Fill in the blanks with the correct option:

She has been ___ to music all day.

A) listening
B) listened
C) listens
D) listen

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150) Fill in the blanks with the correct option:

When I came to this city, I _____ anyone.

A) haven't known
B) didn't know
C) wasn't knowing
D) wouldn't knowing

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Section 6 - Verbal Skills Part B

No. of Questions: 30

Read the following passage and answer the questions (151-152):

HISTORY OF LIBRARY

A library's collection can include books, periodicals, newspapers, manuscripts, films, maps, prints, documents, microform, CDs, cassettes, videotapes, DVDs, Blu-ray Discs, e-books, audiobooks, databases, and other formats. In Latin and Greek, the idea of a bookcase is represented by Bibliotheca and Bibliothēkē respectively. Derivatives of these mean library in many modern languages, e.g. French bibliothèque.

The first libraries consisted of archives of the earliest form of writing the clay tablets in cuneiform script discovered in temple rooms in Sumer, some dating back to 2600 BC. These archives, which mainly consisted of the records of commercial transactions or inventories, mark the end of prehistory and the start of history. Things were much the same in the government and temple records on papyrus of Ancient Egypt. The earliest discovered private archives were kept at Ugarit; besides correspondence and inventories, texts of myths may have been standardized practice-texts for teaching new scribes. There is also evidence of libraries at Nippur about 1900 BC and those at Nineveh about 700 BC showing a library classification system. Over 30,000 clay tablets from the Library of Ashurbanipal have been discovered at Nineveh, providing modern scholars with an amazing wealth of Mesopotamian literary, religious and administrative work. Among the findings were the Enuma Elish, also known as the Epic of Creation, which depicts a traditional Babylonian view of creation, the Epic of Gilgamesh, a large selection of "omen texts" including Enuma Anu Enlil which "contained omens dealing with the moon, its visibility, eclipses, and conjunction with planets and fixed stars, the sun, its corona, spots, and eclipses, the weather, namely lightning, thunder, and clouds, and the planets and their visibility, appearance, and stations", and astronomic/astrological texts, as well as standard lists used by scribes and scholars such as word lists, bilingual vocabularies, lists of signs and synonyms, and lists of medical diagnoses. According to legend, mythical philosopher Laozi was keeper of books in the earliest library in China, which belonged to the Imperial Zhou dynasty. Also, evidence of catalogues found in some destroyed ancient libraries illustrates the presence of librarians.

151) Bibliotheca is _____ for bookcase.

A) Latin
B) Spanish
C) French
D) English

152) Temples of Ancient Egypt held records of _____.

A) creation
B) epics
C) literary texts
D) commercial transactions

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153) Fill in the blanks with the correct option.

This school has _____ great teachers.

A) a
B) an
C) the
D) No article required

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154) Fill in the blanks with the words that best fill in the blanks.

On Wednesday, I bought __ pair of shoes and ___ umbrella from the department store located on Sixth Avenue.

A) a - a
B) a - an
C) a - the
D) an - an

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155) Fill in the blanks with the correct option.

There are _____ books on the table.

A) any
B) much
C) many
D) little

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156) Fill in the blanks with the correct option.

There are only _____ notes in his wallet.

A) a few
B) many
C) any
D) much

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157) Which of the following sentences is CORRECT?

A) He himself said so.
B) He herself say so
C) He herself says so.
D) He himself saying so.

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158) Which of the following sentences is CORRECT?..

A) One should keep oneself ready for emergency.
B) One should kept himself or herself ready for emergency
C) One should be keeping himself ready for emergency
D) One should keep himself to herself ready for emergency

159) Which of the following sentences is CORRECT?--

A) Mices are living in hole.
B) Mice has been living in hole.
C) Mices have lived in hole.
D) Mice live in holes.

160) Which of the following sentences is CORRECT?....

A) My pair of scissor are blunt.
B) My scissor has blunt.
C) My scissor is blunt.
D) My pair of scissors is blunt

161) Which of the following sentences is CORRECT?...

A) She has long and black hair.
B) She had longest and black hairs.
C) She has long blackening hair.
D) She has long and heavier hair.

162) Which of the following sentences is CORRECT?.....

A) Neither he and his wife is willing to leave this house.
B) Neither he and his wife are willing to leave this house.
C) Neither he nor his wife is willing to leave this house.
D) Neither he or his wife is willing to leave this house.

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163) Fill in the blanks with the correct option:

Did you just _____ me a liar?

A) call
B) called
C) have called
D) calling

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164) Fill in the blanks with the correct option:

I _____ in bed when I heard the accident outside.

A) was lying
B) lay
C) have lain
D) had lain

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165) Fill in the blanks with the correct option:

I _____ in the same place for the past three years.

A) have been living
B) has lived
C) will be living
D) be lived

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166) Fill in the blanks with the correct option:

Simon has ___ living here for 6 months.

A) been
B) is
C) am
D) are

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167) Fill in the blanks with the correct option:

According to the news, the school _____ reopen tomorrow

A) will
B) were
C) has
D) was

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168) Fill in the blanks with the correct option:

Those newspapers ___ in a big truck.

A) are delivering
B) is deliver
C) are delivered
D) had delivered

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169) Fill in the blanks with the correct option:

The hunters went _____ the forest.

A) through
B) by
C) from
D) on

---

170) Fill in the blanks with the correct option:

He wrote a letter ____ his father.

A) with
B) from
C) at
D) to

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171) Fill in the blanks with the correct option:

He walked ____ the bank of the river.

A) for
B) along
C) through
D) from

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172) Fill in the blanks with the correct option:

The ball rolled ____ the pavement.

A) over
B) for
C) onto
D) upto

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173) Fill in the blanks with the correct option:

I am going _____ the station.

A) to
B) in
C) for
D) by

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174) Fill in the blanks with the correct option:

The motorcycle leaned _____ the wall.

A) against
B) by
C) for
D) to

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175) Choose one of the words from the options below that has a similar meaning to the word 'Belligerent'

A) friendly
B) benign
C) combative
D) placative

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176) Choose one of the words from the options below that has a similar meaning to the word 'Taciturn'

A) reserved
B) talkative
C) diplomatic
D) obstinate

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177) Choose one of the options below that has a similar meaning to the word 'Customary'

A) accepted
B) unusual
C) slavery
D) drudgery

178) Identify the synonym of the given word:

ZENITH

A) Middle
B) Under
C) Pinnacle
D) Nadir

179) Identify the synonym of the given word:

PERTNESS

A) impudence
B) petulance
C) pitulance
D) willing

180) Choose one of the words from the options below that has a similar meaning to the word 'Sabbatical'

A) wrecker
B) disruption
C) business
D) holiday

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Question Paper No:	66278_3
Answer Key:	

1	C	31	A	61	D	91	A	121	C	151	A
2	D	32	D	62	B	92	B	122	A	152	D
3	D	33	C	63	B	93	A	123	A	153	D
4	B	34	A	64	D	94	D	124	D	154	B
5	D	35	D	65	D	95	A	125	B	155	C
6	C	36	D	66	D	96	A	126	C	156	A
7	B	37	B	67	B	97	C	127	D	157	A
8	B	38	C	68	C	98	C	128	B	158	A
9	B	39	C	69	D	99	B	129	D	159	D
10	A	40	B	70	D	100	B	130	C	160	D
11	A	41	C	71	D	101	B	131	C	161	A
12	A	42	D	72	A	102	A	132	A	162	C
13	D	43	D	73	B	103	B	133	A	163	A
14	C	44	C	74	A	104	A	134	C	164	A
15	D	45	D	75	B	105	C	135	B	165	A
16	A	46	A	76	B	106	D	136	C	166	A
17	C	47	A	77	A	107	B	137	A	167	A
18	C	48	A	78	D	108	A	138	B	168	C
19	A	49	D	79	D	109	A	139	A	169	A
20	A	50	D	80	A	110	D	140	D	170	D
21	C	51	C	81	B	111	C	141	B	171	B
22	D	52	D	82	B	112	D	142	B	172	C
23	C	53	D	83	A	113	C	143	D	173	A
24	C	54	A	84	A	114	D	144	A	174	A
25	D	55	D	85	Nullified	115	D	145	C	175	C
26	B	56	A	86	B	116	C	146	A	176	A
27	B	57	C	87	D	117	C	147	A	177	A
28	B	58	B	88	C	118	B	148	B	178	C
29	B	59	A	89	A	119	C	149	A	179	A
30	A	60	A	90	A	120	C	150	B	180	D

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