

QUESTION BANK AEC (Q&R)

1. One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?

East

West

North

South

2. Pointing to a photograph of a boy Suresh said, "He is the only son of my mother." How is Suresh related to that boy?

Brother

Uncle

Cousin

Father

3. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

Brother

Nephew

Uncle

Son-in-law

4. Pointing to a photograph Lata says, "He is the son of the only son of my grandfather." How is the man in the photograph related to Lata?

Brother

Uncle

Cousin

Data is inadequate

5. If D is the brother of B, how B is related to C? To answer this question which of the statements is/are necessary?

1. The son of D is the grandson of C.

2. B is the sister of D.

Only 1

Either 1 or 2

1 and 2 both are required

6. Pointing to a photograph. Bajpai said, "He is the son of the only daughter of the father of my brother." How Bajpai is related to the man in the photograph?

Nephew

Brother

Father

Maternal Uncle

7. 120, 99, 80, 63, 48, ?

35

38

39

40

8. 589654237, 89654237, 8965423, 965423, ?

58965

65423

89654

96542

9. In the series 2, 6, 18, 54, what will be the 8th term ?

4370

4374

7443

7434

10. 1, 3, 4, 8, 15, 27, ?

37

44

50

55

7.

11. Which term of the series 5, 10, 20, 40, is 1280?

10th

9th

8th

None of these

12. Arrange the words given below in a meaningful sequence.

1. Key 2. Door 3. Lock

4. Room 5. Switch on

5, 1, 2, 4, 3

4, 2, 1, 5, 3

1, 3, 2, 4, 5

1, 2, 3, 5, 4

12. Arrange the words given below in a meaningful sequence.

1. Family 2. Community 3. Member

4. Locality 5. Country

3, 1, 2, 4, 5

3, 1, 2, 5, 4

3, 1, 4, 2, 5

3, 1, 4, 5, 2

13. Flow : River :: Stagnant : ?

Rain

Stream

Pool

Cana

14. Paw : Cat :: Hoof : ?

Lamb

Elephant

Lion

Horse

15. Peacock : India :: Bear : ?

Australia

America

Russia

England

16. Ornithologist : Bird :: Archaeologist : ?

Islands

Mediators

Archaeology

Aquatic

17. Carbon : Diamond :: Corundum : ?

Garnet

Ruby

Pukhraj

Pearl

18. Architect : Building :: Sculptor : ?

Museum

Stone

Chisel

Statue

19. Eye : Myopia :: Teeth : ?

Pyorrhoea

Cataract

Trachoma

Eczema

20. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

South-East

South

North

West

21. A train always has

Rails

Driver

Guard

Engine

22. Which one of the following is always found in 'Bravery'?

Experience

Power

Courage

Knowledge

23. Yesterday I saw an ice cube which had already melted due to heat of a nearby furnace.

Always

Never

Often

Sometimes

24. What is found necessarily in milk?

Cream

Curd

Water

Whiteness

25. Which one of the following is always with 'Bargain'?

Exchange

Sumptuousness

Triviality

Eloquence

26. A boy is sitting at the back seat of a car. When the driver suddenly starts moving the car (in forward direction), the boy experiences a backward force?

Always

Never

Often

Sometimes

27. The total of the ages of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago ?

71 years

72 years

74 years

77 years

28. Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities B and C from A ?

Rs. 4, Rs. 23

Rs. 13, Rs. 17

Rs. 15, Rs. 14

Rs. 17, Rs. 13

29. A pineapple costs Rs. 7 each. A watermelon costs Rs. 5 each. X spends Rs. 38 on these fruits. The number of pineapples purchased is

2

3

4

Data inadequate

30. A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum." The woman's age is

23 years

34 years

45 years

None of these

31. What is the product of all the numbers in the dial of a telephone ?

1,58,480

1,59,450

1,59,480

None of these

32. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?

A

X

S

Z

33. There are 8 houses in a line and in each house only one boy lives with the conditions as given below:

Jack is not the neighbour Siman.

Harry is just next to the left of Larry.

There is at least one to the left of Larry.

Paul lives in one of the two houses in the middle.

Mike lives in between Paul and Larry.

If at least one lives to the right of Robert and Harry is not between Taud and Larry, then which one of the following statement is not correct ?

Robert is not at the left end.

Robert is in between Simon and Taud.

Taud is in between Paul and Jack.

There are three persons to the right of Paul.

34. A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting ?

Between B and D

Between B and C

Between E and D

Between C and E

Directions to Solve

P, Q, R, S, T, U, V and W are sitting round the circle and are facing the centre:

1. P is second to the right of T who is the neighbour of R and V.
2. S is not the neighbour of P.
3. V is the neighbour of U.

4. Q is not between S and W. W is not between U and S.

35. Which two of the following are not neighbours ?

RV

UV

RP

QW

36. Which one is immediate right to the V ?

P

U

R

T

37. What is the position of S ?

Between U and V

Second to the right of P

To the immediate right of W

Data inadequate.

Directions to Solve

Five girls are sitting on a bench to be photographed. Seema is to the left of Rani and to the right of Bindu. Mary is to the right of Rani. Reeta is between Rani and Mary.

38. Who is sitting immediate right to Reeta ?

Bindu

Rani

Mary

Seema

39. Who is in the middle of the photograph ?

Bindu

Rani

Reeta

Seema

40. Who is second from the right ?

Mary

Rani

Reeta

Bindu

41. Who is second from the left in photograph ?

Reeta

Mary

Bindu

Seema

Directions to Solve

Six friends are sitting in a circle and are facing the centre of the circle. Deepa is between Prakash and Pankaj. Priti is between Mukesh and Lalit. Prakash and Mukesh are opposite to each other.

42. Who is sitting right to Prakash ?

Mukesh

Deepa

Pankaj

Lalit

43. Who is just right to Pankaj ?

Deepa

Lalit

Prakash

Priti

44. Who are the neighbours of Mukesh ?

Prakash and Deepa

Deepa and Priti

Priti and Pankaj

Lalit and Priti

45. Who is sitting opposite to Priti ?

Prakash

Deepa

Pankaj

Lalit

Directions to Solve

A, B, C, D, E, F and G are sitting in a row facing North :

1. F is to the immediate right of E.
 2. E is 4th to the right of G.
 3. C is the neighbour of B and D.
 4. Person who is third to the left of D is at one of ends.
-

46. Who are to the left of C ?

Only B

G, B and D

G and B

D, E, F and A

47. Which of the following statement is not true ?

E is to the immediate left of D

A is at one of the ends

G is to the immediate left of B

F is second to the right of D

49. Who are the neighbours of B ?

C and D

C and G

G and F

C and E

50. What is the position of A ?

Between E and D

Extreme left

Centre

Extreme right

51. Arrange the words given below in a meaningful sequence.

1. Poverty 2. Population 3. Death

4. Unemployment 5. Disease

2, 3, 4, 5, 1

3, 4, 2, 5, 1

2, 4, 1, 5, 3

1, 2, 3, 4, 5

52. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

120 metres

180 metres

324 metres

150 metres

53. The length of the bridge, which a train 130 metres long and travelling at 45 km/hr can cross in 30 seconds, is:

200 m

225 m

245 m

250 m

54. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:

14 years

19 years

33 years

38 years

55. Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anand's present age in years?

24

27

40

Cannot be determined

None of these

56. Veena who is the sister-in-law of Ashok, is the daughter-in-law of Kalyani. Dheeraj is the father of Sudeep who is the only brother of Ashok. How Kalyani is related to Ashok?

Mother-in-law

Aunt

Wife

None of these

57. Introducing Sonia, Aamir says, "She is the wife of only nephew of only brother of my mother." How Sonia is related to Aamir?

Wife

Sister

Sister-in-law

Data is inadequate

Directions to Solve

In a class there are seven students (including boys and girls) A, B, C, D, E, F and G. They sit on three benches I, II and III. Such that at least two students on each bench and at least one girl on each bench. C who is a girl student, does not sit with A, E and D. F the boy student sits with only B. A sits on the bench I with his best friends. G sits on the bench III. E is the brother of C.

58. How many girls are there out of these 7 students ?

3

3 or 4

4

Data inadequate

59. Which of the following is the group of girls ?

BAC

BFC

BCD

CDF

60. Who sits with C ?

B

D

G

E

61. On which bench there are three students ?

Bench I

Bench II

Bench III

Bench I or II

62. A bulb always has

Glass

Current

Filament

Light

63. A mirror always

Retracts

Distorts

Refracts

Reflects

64. A lotus flower always has

Mud

Petals

Root

Water

65. In India a widow can marry her brother-in-law although a man cannot marry the sister of his dead wife:

Always

Never

Often

Sometimes

66. Which one of the following is always found in 'Remedy of fault'?

Punishment

Remedy

Fault

Scolding

Find the odd man out.

67. 3, 5, 11, 14, 17, 21

21

17

14

3

68. 8, 27, 64, 100, 125, 216, 343

27

100

125

343

69. 10, 25, 45, 54, 60, 75, 80

10

45

54

75

70. 396, 462, 572, 427, 671, 264

396

427

671

264

71. 6, 9, 15, 21, 24, 28, 30

28

21

24

30

Directions to Solve

In each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give answer

- (A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- (B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question

- (C) If the data either in statement I alone or in statement II alone are sufficient to answer the question
 - (D) If the data given in both statements I and II together are not sufficient to answer the question and
 - (E) If the data in both statements I and II together are necessary to answer the question.
-

72. Question: In which year was Rahul born ?

Statements:

Rahul at present is 25 years younger to his mother.

Rahul's brother, who was born in 1964, is 35 years younger to his mother.

I alone is sufficient while II alone is not sufficient

II alone is sufficient while I alone is not sufficient

Either I or II is sufficient

Neither I nor II is sufficient

Both I and II are sufficient

73. Question: What will be the total weight of 10 poles, each of the same weight ?

Statements:

One-fourth of the weight of each pole is 5 kg.

The total weight of three poles is 20 kilograms more than the total weight of two poles.

I alone is sufficient while II alone is not sufficient

II alone is sufficient while I alone is not sufficient

Either I or II is sufficient

Neither I nor II is sufficient

Both I and II are sufficient

74. Question: How many children does M have ?

Statements:

H is the only daughter of X who is wife of M.
K and J are brothers of M.

I alone is sufficient while II alone is not sufficient

II alone is sufficient while I alone is not sufficient

Either I or II is sufficient

Neither I nor II is sufficient

Both I and II are sufficient

75. Question: How much was the total sale of the company ?

Statements:

The company sold 8000 units of product A each costing Rs. 25.
This company has no other product line.

I alone is sufficient while II alone is not sufficient

II alone is sufficient while I alone is not sufficient

Either I or II is sufficient

Neither I nor II is sufficient

Both I and II are sufficient

76. Question: The last Sunday of March, 2006 fell on which date ?

Statements:

The first Sunday of that month fell on 5th.
The last day of that month was Friday.

I alone is sufficient while II alone is not sufficient

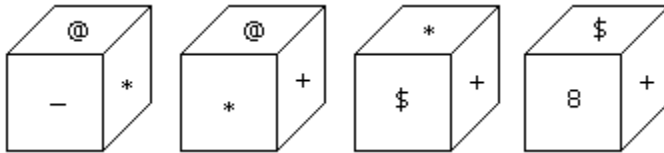
II alone is sufficient while I alone is not sufficient

Either I or II is sufficient

Neither I nor II is sufficient

Both I and II are sufficient

77. Which symbol will be on the face opposite to the face with symbol * ?



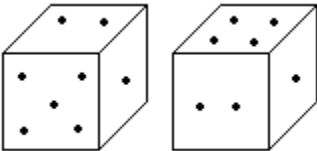
@

\$

8

+

78. Two positions of dice are shown below. How many points will appear on the opposite to the face containing 5 points?



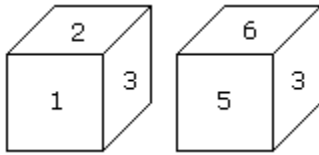
3

1

2

4

79. Which digit will appear on the face opposite to the face with number 4?



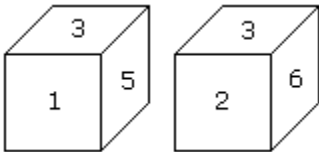
3

5

6

2/3

80. Two positions of a dice are shown below. Which number will appear on the face opposite to the face with the number 5?



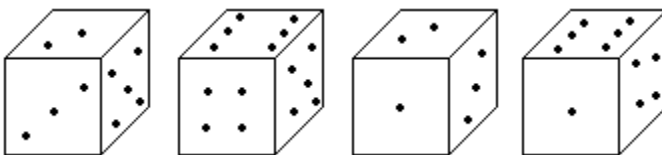
2/6

2

6

4

81. How many points will be on the face opposite to in face which contains 2 points?



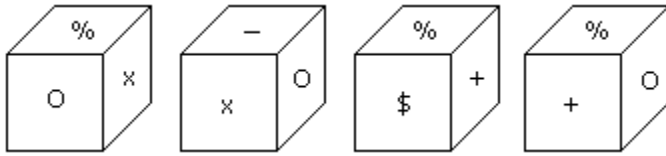
1

5

4

6

82. Here 4 positions of a cube are shown. Which sign will be opposite to '+' ?



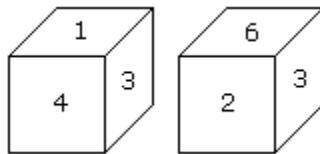
%

-

x

\$

83. Two positions of a cubical block are shown. When 5 is at the top which number will be at bottom?



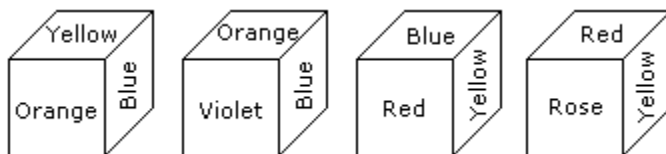
1

2

3

4

84. From the four positions of a dice given below, find the color which is opposite to yellow ?



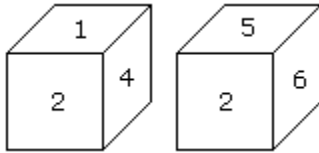
Violet

Red

Rose

Blue

85. When the digit 5 is on the bottom then which number will be on its upper surface?



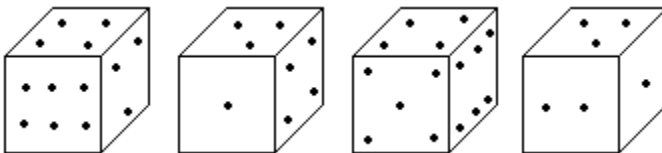
1

3

4

6

86. How many points will be on the face opposite to the face which contains 3 points?



2

4

5

6

Directions to Solve

The following questions are based on the information given below:

1. A cuboid shaped wooden block has 6 cm length, 4 cm breadth and 1 cm height.
2. Two faces measuring 4 cm x 1 cm are coloured in black.
3. Two faces measuring 6 cm x 1 cm are coloured in red.
4. Two faces measuring 6 cm x 4 cm are coloured in green.

5. The block is divided into 6 equal cubes of side 1 cm (from 6 cm side), 4 equal cubes of side 1 cm (from 4 cm side).
-

87. How many cubes having red, green and black colours on at least one side of the cube will be formed ?

16

12

10

4

88. How many small cubes will be formed ?

6

12

16

24

89. How many cubes will have 4 coloured sides and two non-coloured sides ?

8

4

16

10

90. How many cubes will have green colour on two sides and rest of the four sides having no colour ?

12

10

8

4

91. How many cubes will remain if the cubes having black and green coloured are removed ?

4

8

12

16

92. Which one will replace the question mark ?

A ₂	C ₄	E ₆
G ₃	I ₅	?
M ₅	O ₉	Q ₁₄

L₁₀

K₁₅

I₁₅

K₈

93. Which one will replace the question mark ?

5	4	7	8
---	---	---	---

6	9	5	10
---	---	---	----

3	7	2	?
---	---	---	---

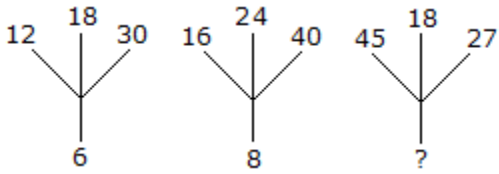
1

4

3

6

94. Which one will replace the question mark ?



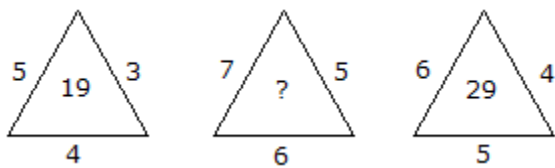
18

12

9

6

95. Which one will replace the question mark ?



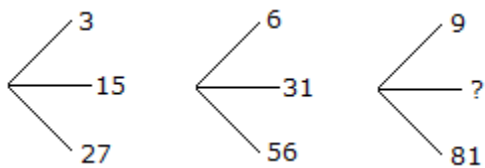
25

37

41

47

96. Which one will replace the question mark ?



45

41

32

40

Directions to Solve

Each of these questions given below contains three elements. These elements may or may not have some inter linkage. Each group of elements may fit into one of these diagrams at (A), (B), (C), (D) and/or (E). You have to indicate the group of elements which correctly fits into the diagrams.

97. Which of the following diagrams indicates the best relation between Travelers, Train and Bus ?



98. Which of the following diagrams indicates the best relation between Profit, Dividend and Bonus ?



99. Which of the following diagrams indicates the best relation between Women, Mothers and Engineers ?



100. Which of the following diagrams indicates the best relation between Factory, Product and Machinery ?



101. Which of the following diagrams indicates the best relation between Author, Lawyer and Singer ?





102. A student got twice as many sums wrong as he got right. If he attempted 48 sums in all, how many did he solve correctly ?

12

16

18

24

103. David gets on the elevator at the 11th floor of a building and rides up at the rate of 57 floors per minute. At the same time, Albert gets on an elevator at the 51st floor of the same building and rides down at the rate of 63 floors per minute. If they continue travelling at these rates, then at which floor will their paths cross ?

19

28

30

37

104. I have a few sweets to be distributed. If I keep 2, 3 or 4 in a pack, I am left with one sweet. If I keep 5 in a pack, I am left with none. What is the minimum number of sweets I have to pack and distribute ?

25

37

54

65

105. If a clock takes seven seconds to strike seven, how long will it take to strike ten ?

7 seconds

9 seconds

10 seconds

None of these

106. In a group of cows and hens, the number of legs are 14 more than twice the number of heads. The number of cows is

5

7

10

12

Find out the wrong number in the given sequence of numbers.

107. 582, 605, 588, 611, 634, 617, 600

634

611

605

600

108. 22, 33, 66, 99, 121, 279, 594

33

121

279

594

109. 8, 13, 21, 32, 47, 63, 83

47

63

32

83

110. 1, 8, 27, 64, 124, 216, 343

8

27

64

124

111. 1, 2, 6, 15, 31, 56, 91

31

91

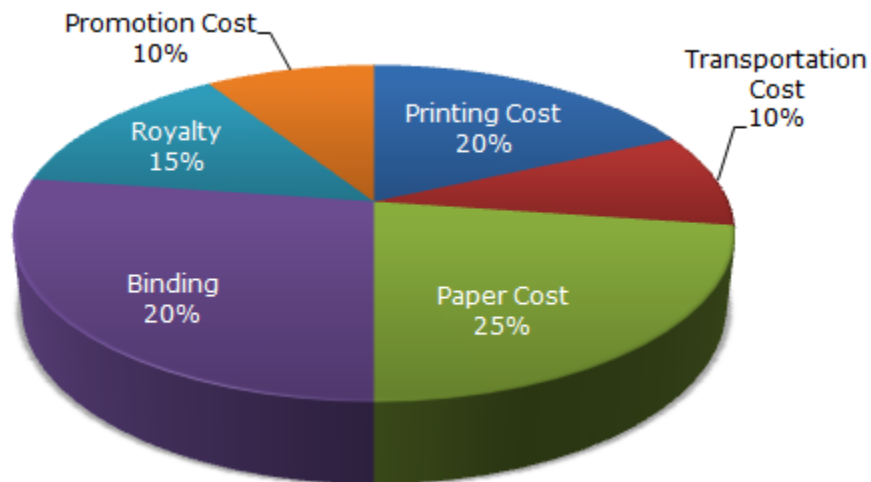
56

15

Directions to Solve

The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it.

Various Expenditures (in percentage) Incurred in Publishing a Book



112. If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be amount of royalty to be paid for these books?

Rs. 19,450

Rs. 21,200

Rs. 22,950

Rs. 26,150

113. What is the central angle of the sector corresponding to the expenditure incurred on Royalty?

15°

24°

54°

48°

114. The price of the book is marked 20% above the C.P. If the marked price of the book is Rs. 180, then what is the cost of the paper used in a single copy of the book?

Rs. 36

Rs. 37.50

Rs. 42

Rs. 44.25

115. If 5500 copies are published and the transportation cost on them amounts to Rs. 82500, then what should be the selling price of the book so that the publisher can earn a profit of 25%?

Rs. 187.50

Rs. 191.50

Rs. 175

Rs. 180

116. Royalty on the book is less than the printing cost by:

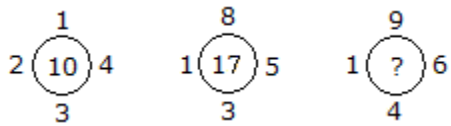
5%

$\frac{3}{3\frac{1}{5}}$

20%

25%

117. Which one will replace the question mark ?



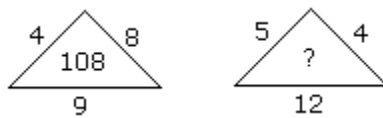
18

20

21

19

118. Which one will replace the question mark ?



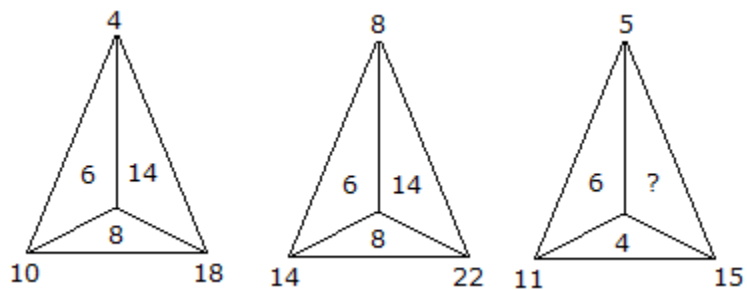
80

114

108

None of these

119. Which one will replace the question mark ?



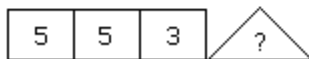
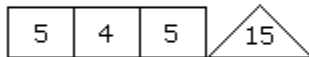
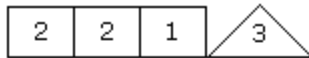
8

14

10

6

120. Which one will replace the question mark ?



11

19

15

22

Directions to Solve

In these series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the middle of the series or end of the series.

121. SCD, TEF, UGH, _____, WKL

CMN

UJI

VIJ

IJT

122. B₂CD, _____, BCD₄, B₅CD, BC₆D

B₂C₂D

BC₃D

B₂C₃D

BCD₇

123. FAG, GAF, HAI, IAH, ____

JAK

HAL

HAK

JAI

124. ELFA, GLHA, ILJA, _____, MLNA

OLPA

KLMA

LLMA

KLLA

125. CMM, EOO, GQQ, _____, KUU

GRR

GSS

ISS

ITT

Directions to Solve

Three of the words will be in the same classification, the remaining one will not be. Your answer will be the one word that does NOT belong in the same classification as the others.

126. Which word does NOT belong with the others?

parsley

basil

dill

mayonnaise

127. Which word does NOT belong with the others?

inch

ounce

centimeter

yard

128. Which word does NOT belong with the others?

tyre

steering wheel

engine

car

129. Which word does NOT belong with the others?

tulip

rose

bud

daisy

130. Which word does NOT belong with the others?

rye

sourdough

pumpernickel

loaf

Directions to Solve

In each of the following questions, various terms of an alphabet series are given with one or more terms missing as shown by (?). Choose the missing terms out of the given alternatives.

131. WFB, TGD, QHG, ?

NIJ

NIK

NJK

OIK

PJK

132. AZ, GT, MN, ?, YB

JH

SH

SK

TS

133. H, I, K, N, ?

O

Q

R

S

134. Z, S, W, O, T, K, Q, G, ?, ?

N, C

N, D

O, C

O, D

138.. b e d f ? h j ? l

i m

m i

i n

j m

139. Sachin walks 20 km towards North. He turns left and walks 40 km. He again turns left and walks 20 km. Finally he moves 20 km after turning to the left. How far is he from his starting position?

20 km.

30 km.

50 km.

60 km.

140. From his house, Lokesh went 15 km to the North. Then he turned west and covered 10 km. Then he turned south and covered 5 km. Finally turning to the east, he covered 10 km. In which direction is he from his house?

East

West

North

South

Directions to Solve

In an Exhibition seven cars of different companies - Cadillac, Ambassador, Fiat, Maruti, Mercedes, Bedford and Fargo are standing facing to east in the following order :

1. Cadillac is next to right of Fargo.
2. Fargo is fourth to the right of Fiat.
3. Maruti car is between Ambassador and Bedford.

4. Fiat which is third to the left of Ambassador, is at one end.

141. Which of the cars are on both the sides of cadillac car ?

Ambassador and Maruti

Maruti and Fiat

Fargo and Mercedes

Ambassador and Fargo

142. Which of the following statement is correct ?

Maruti is next left of Ambassador.

Bedford is next left of Fiat.

Bedford is at one end.

Fiat is next second to the right of Maruti.

143. Which one of the following statements is correct ?

Fargo car is in between Ambassador and Fiat.

Cadillac is next left to Mercedes car.

Fargo is next right of Cadillac.

Maruti is fourth right of Mercedes.

144. Which of the following groups of cars is to the right of Ambassador ?

Cadillac, Fargo and Maruti

Mercedes, Cadillac and Fargo

Maruti, Bedford and Fiat

Bedford, Cadillac and Fargo

145. Which one of the following is the correct position of Mercedes ?

Next to the left of Cadillac

Next to the left of Bedford

Between Bedford and Fargo

Fourth to the right of Maruti.

Each of the following questions has a group. Find out which one of the given alternatives will be another member of the group or of that class.

146. Apple, Grape, Orange

Vegetable

Fruits

Stems

Oats

147. Lucknow, Patna, Bhopal, Jaipur

Shimla

Mysore

Pune

Indore

148. Lock, Shut, Fasten

Window

Door

Iron

Block

149. Wheat, Barley, Rice

Food

Agriculture

Farm

Gram

150. Pathology, Cardiology, Radiology, Ophthalmology

Biology

Hematology

Zoology

Geology