SBI Clerk 2021

Most Important 100 Questions for Prelims

Solutions

1. Ans. A.

Refer to the following statements of the first para, 'This irregularity is the result of what is called a drowned coastline. The term comes from the glacial activity of the ice age.'

2. Ans. D.

Refer to the following statements of the second and the third para respectively, ' Mt. Desert Island is one of the most famous of all the islands left behind by the glacier.' and 'Mt. Desert Island is one of the largest, most beautiful of the Maine coast islands. Measuring 16 miles by 12 miles, Mt. Desert was essentially formed as two distinct islands.' Hence, only options A and C are true.

3. Ans. C.

Refer to the following statement of the third para, 'It is split almost in half by Somes Sound, a deep and narrow stretch of water, seven miles long.'

4. Ans. E.

Refer to the following lines of the penultimate para, 'But, the best part of the island is the unspoiled forest land known as Acadia National Park. Because the island sits on the boundary line between the temperate and sub-Arctic zones, the island supports the flora and fauna of both zones as well as beach, inland, and alpine plants. It also lies in a major bird migration lane and is a resting spot for many birds.'

5. Ans. E.

Refer to the penultimate para. The following lines support options A, B, C, and D, 'But, the best part of the island is the unspoiled forest land known as Acadia National Park. Because the island sits on the boundary line between the temperate and sub-Arctic zones, the island supports the flora and fauna of both zones as well as beach, inland, and alpine plants. It also lies in a major bird migration lane and is a resting spot for many birds. The establishment of Acadia National Park in 1916 means that this natural reserve will be perpetually available to all people, not just the wealthy. Visitors to Acadia may receive nature instruction from the park naturalists as well as enjoy camping, hiking, cycling, and boating. Or they may choose to spend time at the archaeological museum, learning about the Stone Age inhabitants of the island.'

6. Ans. B.

Refer to the following lines of the penultimate para, 'For years, Mt. Desert Island, particularly its major settlement, Bar Harbour, afforded summer homes for the wealthy. Recently though, Bar Harbour has become a **burgeoning** arts community as well.'

7. Ans. D.

Contemplate: look thoughtfully for a long time at.

Regard: consider or think of in a specified way.

Ponder: think about (something) carefully, especially before making a decision or reaching a conclusion.

Scrutinize: examine or inspect closely and thoroughly.

Ignore: refuse to take notice of or acknowledge; disregard intentionally.

Brood: think deeply about something that makes one unhappy, angry, or worried.

According to the meanings, ignore is the most opposite word.

8. Ans. A.

Jagged: with rough, sharp points protruding.

Ragged: having a rough or irregular surface or edge.

Smooth: having an even and regular surface; free from perceptible projections, lumps, or indentations.

Continuous: forming an unbroken whole; without interruption.

Mild: not severe, serious, or harsh.

Even:flat and smooth.

Corresponding to the meanings, ragged is the most similar word.

9. Ans. B.

Thriving: prosperous and growing; flourishing.

Withering: causing to decline or deteriorate; weaken.

Prolific: present in large numbers or quantities; plentiful.

Booming: having a period of great prosperity or rapid economic growth.

Corresponding to the meanings, withering is the most opposite word.

10. Ans. E.

Burgeoning: begin to grow or increase rapidly; flourish.

Shrinking: become or make smaller in size or amount.

Shriveling: wrinkle and contract or cause to wrinkle and contract, especially due to loss of moisture.

Diminishing: make or become less.

Dubious: hesitating or doubting.

Proliferating: increase rapidly in number; multiply. Corresponding to the meanings, proliferating is the most similar word.

11. Ans. A.

'Live' means to make one's home in a particular place which in this case is a tree on top of a mountain. To suit the context, simple past tense us required. Hence the correct answer is option A.

12. Ans. C.

'Turn' means to change or cause to change in nature, state, form, or colour. In this case, the droppings of the bird changed into gold after falling on earth. The correct answer is option C.

13. Ans. B.

'Thought' is the action or process of thinking. In this case, the hunter thinks of making use of the bird to get rich. The correct answer is option B.

14. Ans. C.

The blank refers to the hunter, hence 'who' should be used.
'Who' vs 'Whom' :
Use "who" as the subject or as a complement to a linking verb. To double-check your accuracy of using the word, substitute a personal pronoun, like "he" or "she" for "who." If the sentence is grammatically correct with the substitution, then "who" is what you're looking for.
When to Use "Whom"
Include "whom" as the object of a preposition or as the object of a verb. When you are unsure, use the substitution rule. If "him" or "her" can be substituted and the sentence works, use "whom." You can turn the subjunctive clause around, if necessary, to test your sentence.

15. Ans. B.

A trap is a device or enclosure designed to catch and retain animals, typically by allowing entry but not exit or by catching hold of a part of the body. In this case, the hunter sets up a trap for the bird and it falls into it. The correct answer is option B.

16. Ans. B.

'Delighted' means to feel great pleasure, which was the emotion that came up in the king upon seeing the bird. The correct answer is option B.

17. Ans. A.

'Plenty' means a large or sufficient amount of something. In this case, the king orders its staff to give sufficient amount of food to the bird. The correct answer is option A.

18. Ans. E.

Since the ministers hold a lower position that a king they cannot 'order' the king to do something. The most appropriate word among the options is 'advise'. The correct answer is option E.

19. Ans. A.

'A trusted person' means someone we have confidence in. In this case, the minister is the king's trustworthy staff. So the correct answer is option A.

20. Ans. C.

'Promise' means to assure someone (in this case, the bird itself) of doing something. The correct answer is option C.

21. Ans. B.

Replace 'In all likeness' by 'In all likelihood'.
Likeliness is the condition or quality of being probable or likely to occur while **likelihood** is the probability of a specified outcome; the chance of something happening; probability; the state of being probable.
The given sentence talks about the possibility that the company will not achieve its targets.

22. Ans. E.

The given sentence is correct as it is.
Option A- significant should be used to describe the change in the structure, hence in after significant is incorrect
Option B- 'a significant changing structures' is incorrect grammar.
Option C- It makes the sentence grammatically incorrect.
Option D- The change should be brought in each structure separately and not among them.

23. Ans. A.

It should be 'blast site to save'.
'Site' means an area of ground on which a town, building, or monument is constructed while 'sight' means view; scene.

24. Ans. B.

Option A- been makes the sentence grammatically incorrect, hence it can be eliminated.
Option B- be is the correct form of the verb to be used.
Option C- 'being' is the incorrect form.
Option D- 'an' is incorrect since the word following it is minister.
The given sentence lacks a word between cannot and treated.

25. Ans. D.

The point of discussion is singular i.e. retrospectivity of the bill, hence questions is incorrect.

Thus, the given question and option A is incorrect. 'has taken been' is incorrect, thus option B can be eliminated.

'in the question' is incorrect, thus option C is incorrect.

Option D makes the sentence grammatically and structurally correct.

26. Ans. B.

Sectors can't be manufactured, hence option A can be ruled out.

Area and fields can't be manufactured either, hence options C and D can be ruled out as well.

Conquered doesn't fit in the first blank well, hence option E can be ruled out.

Accompany means be present or occur at the same time as (something else), convoy. Products can definitely be manufactured. Hence, option B is the best fit.

27. Ans. E.

Government is the subject in the statement and is considered as a singular entity, so a singular form of verb should be used along with it, so only option B, D and E are relevant. Now, as the context is about future tense, thus option D is eliminated as it uses a verb in the past form. Between B and E, the distinction is of context; industry generates 'revenue', not 'service'. So, option E is the only suitable response.

28. Ans. C.

This is a contextual filler statement. This is best filled by understanding which words can precede or succeed the given words.

Option A is incorrect as 'part' needs to be followed by a preposition, which is not present here.

Option B is incorrect as 'participate' needs a preposition after it.

Option D is incorrect as 'period' makes no sense.

Thus, option C is the most obvious response.

29. Ans. D.

'the process of teachers' post' doesn't make sense, hence option A can be ruled out.

Move doesn't fit in the first blank well and job doesn't fit in the second blank well, hence options E and C can be ruled out.

Hasten means be quick to do something.

Quicken means make or become faster or quicker.

Both the words fit in the first blank. The Centre has sanctioned posts which means that it has given a nod to the process of recruitment and selection.

Appointments can be done only when the teachers have been recruited. Hence, option D is a better fit when compared to option B.

30. Ans. D.

Since the parents have approached the high court, some negative incident must have happened.

Hence, options A, B and E can be ruled out.

Annul means declare invalid (an official agreement, decision, or result).

Stay means stop, delay, or prevent (something), in particular suspend or postpone (judicial proceedings) or refrain from pressing (charges).

Stay is a better fit in case of judicial matters, hence option D is the most suitable response.

31. Ans. B.

Pink is the color of the Box H.

Color	Box
White	A
Grey	C
Orange	G
Brown	B
Red	E
Pink	H
Blue	D
Green	F

32. Ans. C.

D box colour in blue.

Color	Box
White	A
Grey	C
Orange	G
Brown	B
Red	E
Pink	H
Blue	D
Green	F

33. Ans. E.

The boxes kept at the top and the bottom respectively are colored in White and Green.

Color	Box
White	A
Grey	C
Orange	G
Brown	B
Red	E
Pink	H
Blue	D
Green	F

34. Ans. A.
Two boxes are kept between F and E

Color	Box
White	A
Grey	C
Orange	G
Brown	B
Red	E
Pink	H
Blue	D
Green	F

35. Ans. D.
As per the solution figure, there are two boxes between G and the Pink Box.

Color	Box
White	A
Grey	C
Orange	G
Brown	B
Red	E
Pink	H
Blue	D
Green	F

36. Ans. C.
Example-**Believe:**
Step I- at first position, second last letter of the word, which is 'v'.
Step II- symbol is random, in this case '%' is used.
Step III- at the last position, first letter is 'b' so numerical value of 'b' is 2. Then 2*2+1= 5
Final code is **V%5**

37. Ans. B.
Example-**Believe:**
Step I- at first position, second last letter of the word, which is 'v'.
Step II- symbol is random, in this case '%' is used.
Step III- at the last position, first letter is 'b' so numerical value of 'b' is 2. Then 2*2+1= 5
Final code is **V%5**
As per above rule,
Step I- at first position, second last letter of the word, which is 'd'.
Step II- symbol is random, in this case '@' is used.
Step III- at the last position, first letter is 'r' so numerical value of 'r' is 18. Then 18*2+1= 37
Final code is **D@37**
'D@37' is the code for records.

38. Ans. C.
Example-**Believe:**
Step I- at first position, second last letter of the word, which is 'v'.
Step II- symbol is random, in this case '%' is used.
Step III- at the last position, first letter is 'b' so numerical value of 'b' is 2. Then 2*2+1= 5
Final code is **V%5**
Following the same pattern the code of 'money' is 'E%27'.

39. Ans. B.
Example-**Believe:**
Step I- at first position, second last letter of the word, which is 'v'.
Step II- symbol is random, in this case '%' is used.
Step III- at the last position, first letter is 'b' so numerical value of 'b' is 2. Then 2*2+1= 5
Final code is **V%5**
In the word 'guilt' first letter is 'g' so numerical value of 'g' is 7. Then 7*2+1=15

40. Ans. C.
Example-**Believe:**
Step I- at first position, second last letter of the word, which is 'v'.
Step II- symbol is random, in this case '%' is used.
Step III- at the last position, first letter is 'b' so numerical value of 'b' is 2. Then 2*2+1= 5
Final code is **V%5**

Following the same pattern the code of 'domestic' is **'I@9'.**

41. Ans. A.

X≤Y≥W<P≤M

42. Ans. E.

P≥Q>N≤S<T

43. Ans. B.

From the given statement, only E>C is true

44. Ans. E.

F<Y (True), since, E>F & E<J<= H<= Y

Y>E (True), since, E<J<= H<= Y

F<H (True), since, F<E<J<= H
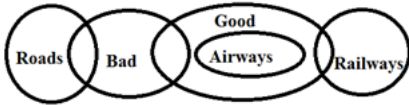
J <= Y (True), since, J<= H<= Y

45. Ans. D.

For the expression, S > Q >= R < P, P>S is false.

46. Ans. C.
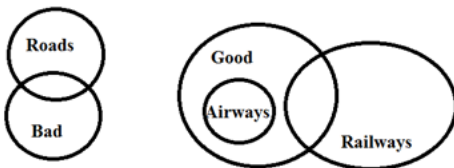
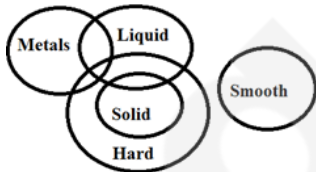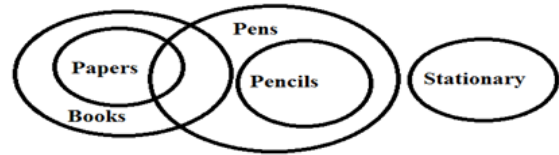Conclusion I does not follow from the basic diagram.

For conclusion II:

Conclusion II does not follow.

47. Ans. E.
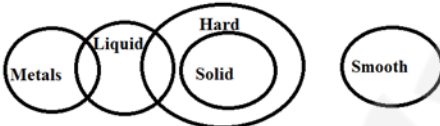
Conclusion I follow from basic diagram.

For conclusion II:

Conclusion II follow from above diagram.

48. Ans. D.

Conclusion I does not follow from basic diagram.

For Conclusion II:

Conclusion II does not follow from above diagram.

49. Ans. B.
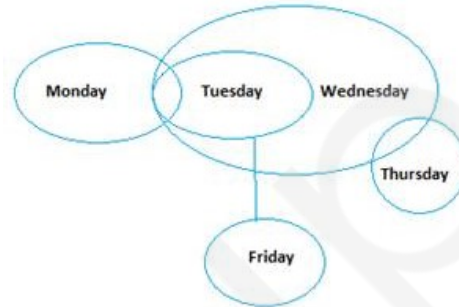
50. Ans. B.

We count the eleventh element from the left end which is '5'. Fifth element to its left is 'K'.

51. Ans. B.

P and Q belongs to Mumbai

I. P(-) ⟷ Q(+)

II. N(-) ⟷ S(+)

⎮

T(+)

III. R(-) ⟷ M(+)

⎮

O(-)

M	Pune	Shillong
N	Goa	Shillong
O	Pune	Shimla
P	Mumbai	Manali
Q	Mumbai	Shimla
R	Pune	Manali
S	Goa	Shimla
T	Goa	Manali

52. Ans. E.

P, R & T group going to visit Manali.

I. P(-) ⟷ Q(+)

II. N(-) ⟷ S(+)

⎮

T(+)

III. R(-) ⟷ M(+)

⎮

O(-)

M	Pune	Shillong
N	Goa	Shillong
O	Pune	Shimla
P	Mumbai	Manali
Q	Mumbai	Shimla
R	Pune	Manali
S	Goa	Shimla
T	Goa	Manali

53. Ans. C.
O belongs to Pune
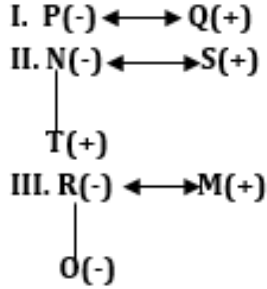
I. P(-) ←——→ Q(+)

II. N(-) ←——→ S(+)

    |
    T(+)

III. R(-) ←——→ M(+)

    |
    O(-)

M	Pune	Shillong
N	Goa	Shillong
O	Pune	Shimla
P	Mumbai	Manali
Q	Mumbai	Shimla
R	Pune	Manali
S	Goa	Shimla
T	Goa	Manali

54. Ans. B.
S is going to visit Shimla
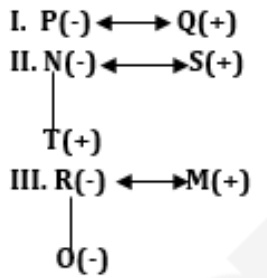
I. P(-) ←——→ Q(+)

II. N(-) ←——→ S(+)

    |
    T(+)

III. R(-) ←——→ M(+)

    |
    O(-)

M	Pune	Shillong
N	Goa	Shillong
O	Pune	Shimla
P	Mumbai	Manali
Q	Mumbai	Shimla
R	Pune	Manali
S	Goa	Shimla
T	Goa	Manali

55. Ans. B.
N is going to visit Shillong
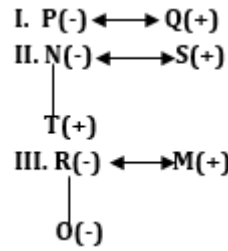
I. P(-) ←——→ Q(+)

II. N(-) ←——→ S(+)

    |
    T(+)

III. R(-) ←——→ M(+)

    |
    O(-)

| M	Pune	Shillong
N	Goa	Shillong
O	Pune	Shimla
P	Mumbai	Manali
Q	Mumbai	Shimla
R	Pune	Manali
S	Goa	Shimla
T	Goa	Manali

56. Ans. D.
R is the only sister of U. T has only one daughter who is the aunt of V. W is the father of U, who is married to Q. S is not a male.

T(-)   =   W(+)
            ⇓
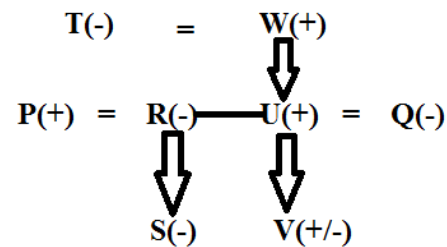P(+) = R(-)——U(+) = Q(-)
         ⇓   ⇓
        S(-)   V(+/-)
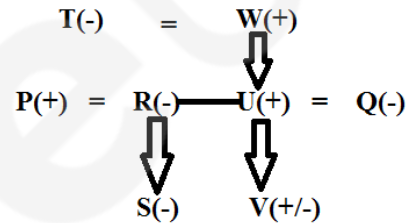
57. Ans. C.
R is the only sister of U. T has only one daughter who is the aunt of V. W is the father of U, who is married to Q. S is not a male.

T(-)   =   W(+)
            ⇓
P(+) = R(-)——U(+) = Q(-)
         ⇓   ⇓
        S(-)   V(+/-)

58. Ans. D.
R is the only sister of U. T has only one daughter who is the aunt of V. W is the father of U, who is married to Q. S is not a male.

T(-)   =   W(+)
            ⇓
P(+) = R(-)——U(+) = Q(-)
         ⇓   ⇓
        S(-)   V(+/-)
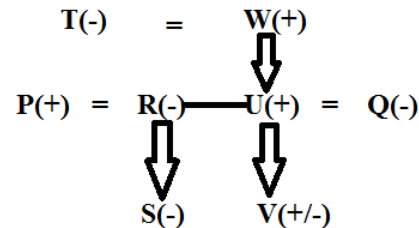
59. Ans. E.
We can't get answer individually.
From I and II,
A lives on an even numbered floor just below D. So A and E can live (4,1) and (2,5). The number of person lives between A and C is same as A and B. (2,5) combination is not possible from this information. Then A lives on 4th floor and E lives on 1st floor. B lives above C. So B must live on 6th floor and C lives on 2nd floor so only one person between A-C and A-B. We know that D lives just above A so D lives on 5th floor then F must live on 3rd floor.
So I and II both are required to answer the question.
Hence, option E.

60. Ans. B.
From I,

S ————————— M
|
|
L_____ O ___ O ___ O
K
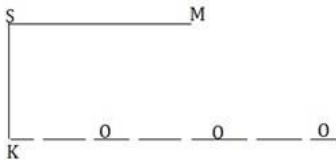
We don't know about the O's exact position.
From II,

G ————————— O
|
|
| M
K
              |
              |
              S
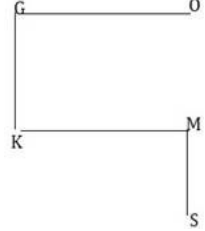
Point O is north of point M.
So statement II alone is sufficient.
Hence, option B.

61. Ans. A.
From I,
• Only one person is shorter to Q. O is taller to P. M is taller to O but shorter to R.
R>M>O>P, As R is not the tallest so N must be tallest.

1(Tallest)	N
2	R
3	M
4	O
5	Q
6(Shortest)	P

So P must be shortest person so statement I alone is sufficient.
From II,
• R is only shorter to N. The number of person is taller to R is same as the person is shorter to Q.

One person is taller to R so Q must be 2nd shortest.
• M is taller to O. So we cannot say who is the shortest person.

1(Tallest)	N
2	R
3	
4	
5	Q
6(Shortest)	

So Statement I alone is sufficient to answer the question.
Hence, option A.

62. Ans. B.
From I,
• Q is 2nd to the left of R. R is 2nd to the left of S. One person is sitting between Q and O. M is not neighbor of S. So M is either immediate right or immediate left of Q.

O		Q		R		S

So we don't know who sits in the middle.
Statement I is alone not sufficient.
From II,
• Q is 3rd to the left end. R is 2nd to the right of Q.

		Q		R		

• The number of person to the left of N is same as to the right of P. N is neighbor of Q. So N must be immediate left of Q then only one person to the left of N so P must be 2nd to the right end.

	N	Q		R	P	

• M is not at any end so M must be in the middle. So only statement II is alone sufficient to answer the question.

63. Ans. C.
From I,
PAGE in alphabetical order= AEGP is written against multiple of 4.

2	
4	A
6	
8	E
10	
12	G
14	
16	P

● Two letters are between G and C. So C is written against number 6. M is written against number 2. The number of letters between G and K is same as E and K. So K must written against number 10.

2	M
4	A
6	C
8	E
10	K
12	G
14	
16	P

K is written against number 10 so statement I alone is sufficient to answer the question.
From II,
PAGE in alphabetical order= AEGP is written against multiple of 4.

2	
4	A
6	
8	E
10	
12	G
14	
16	P

● No letter is between P and Q. So Q must written against 14. Three letters are between Q and M.So M is written against 6. The number of letters between M and K is same as Q and K. So K is written against number 10.

2	
4	A
6	M
8	E
10	K
12	G
14	Q
16	P

K is written against number 10 so statement I alone is sufficient to answer the question.
Hence, Either statement I alone or statement II alone is sufficient to answer the question.
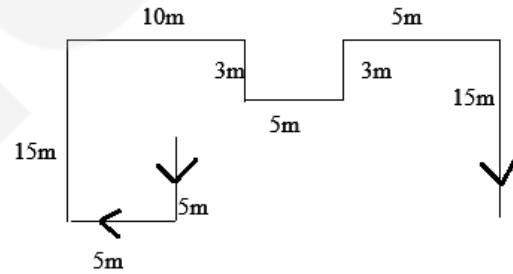64. Ans. B.
As an information given diagram should be:
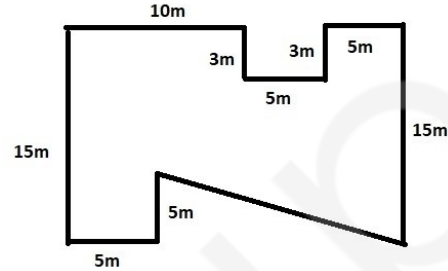
=225 m+25m
=250m
= √250m
=5 √10m
Gopal is 5 √10m far from starting point.
65. Ans. A.
Gopal is facing south direction now.
As an information given diagram should be:

66. Ans. B.
511.99 – 248.05 + (15.06% of 146.95)
The following expression can be written as:
512 – 248 + (15% of 147)
= 512 + 22.05 – 248
= 534.05 – 246
= 286.05 ≈ =286
67. Ans. B.
$$\frac{802}{59} \div \frac{24.9}{643} \times \frac{119}{159}$$
The following expression can be written as:
$$\frac{800}{60} \div \frac{25}{640} \times \frac{120}{160}$$
= (1024/3) × (3/4)
= 256 ≈ 260

68. Ans. A.
√1220 × √670 + √1608 ÷ √250
The following expression can be written as:
√1225 × √676 + √1600 ÷ √256
= 35 × 26 + 40 ÷ 16
= 910 + 2.5
= 912.5 ≈ 910.

69. Ans. B.

$13.99^2 × 16.08^2 ÷ 7.92^2 − 24.98^2$
The following equation can be written as:

$14^2 × 16^2 ÷ 8^2 − 25^2$

= 196 × 256 ÷ 64 − 625
= 196 × 4 − 625
= 784 − 625
= 159 ≈ 160

70. Ans. D.
14.95% of 116.09 × 18.92% of 179.99
The following expression can written as :
15% of 116 × 19% of 180
= 17.4 × 34.2
= 595.08 ≈ 595

71. Ans. B.

$[13824.33 ÷ 575.9 × 18.33] ÷ \sqrt{2915} = ?^{\frac{1}{3}}$

[13824*18/576]/54 =?³
24*18/54 =?³
?3 = 8
?=512

72. Ans. E.

$2\frac{1}{4} + 3\frac{7}{3} - 2\frac{2}{5} + \frac{7}{12} = ? - 1\frac{5}{6}$

$? = 2\frac{1}{4} + 3\frac{7}{3} - 2\frac{2}{5} + \frac{7}{12} + 1\frac{5}{6}$

$? = (2+3-2+1) + \frac{1}{4} + \frac{7}{3} - \frac{2}{5} + \frac{7}{12} + \frac{5}{6}$

$? = (6-2) + \frac{15+140-24+35+50}{60}$

$? = 4 + \frac{240-24}{60}$

$? = 4 + \frac{216}{60}$

$? = 4 + 3.6$

$? = 7.6$

73. Ans. C.
$\left(\sqrt{36} + \sqrt{24}\right)^2 + \left(\sqrt{54} - \sqrt{16}\right)^2 = ?^2 - \sqrt{1521}$

$\sqrt{36}^2 + \sqrt{24}^2 + 2×\sqrt{36}×\sqrt{24} + \sqrt{54}^2 + \sqrt{16}^2 - 2×\sqrt{54}×\sqrt{16} = ?^2 - \sqrt{1521}$

$36 + 24 + 2\sqrt{864} + 54 + 16 - 2\sqrt{864} = ?^2 - \sqrt{1521}$

$130 = ?^2 - 39$

$?^2 = 169$

$? = \sqrt{169}$

$? = 13$

74. Ans. D.
$(254.24 + 756.36 - 647.6) × (754.24 - 397.11 - 354.13) = ?^2$

$(1010.6 - 647.6) × (754.24 - 751.24) = ?^2$

$363 × 3 = ?^2$

$?^2 = 1089$

$? = \sqrt{1089}$

$? = 33$

75. Ans. A.

$\frac{?}{\sqrt{576}} = \frac{\sqrt[3]{216} × 4}{?} ÷ \frac{1}{\sqrt{1296}}$

$\frac{?}{24} = \frac{6×4}{?} ÷ \frac{1}{36}$

$\frac{?}{24} = \frac{6×4×36}{?}$

$?^2 = 24 × 24 × 36$

$? = \sqrt{24 × 24 × 36}$

$? = 24 × 6$

$? = 144$

76. Ans. A.
In first 3 hours distance covered = 55*3 = 165km
Distance Remaining = 385-165 = 220 km
Now speed becomes 55+11 =66km/hr
In another 3 hours distance covered = 198km
Distance Remaining = 220 - 198 =22km
Speed Increases to 66+11 = 77km/hr
Time taken to cover 22/77 = 2/7 hour =120/7
minutes = 17.14285 minutes = 17 minutes +
0.14285*60 seconds = 17 minutes 8 seconds
approx.
total time taken = 6 hrs 17 minutes 8 seconds.

77. Ans. B.
Working efficiency of Ratul= 1/63
Workig efficiency of Atul and Ratul=1/27
Workig efficiency of Atul= 1/27-1/63 = 4/189
Number of days taken by atul in completing the
whole work alone= 189/4 days

Atul per day charges= 4rs per day

Amount atul will get= (189/4)*4= 189 rupess

78. Ans. A.

Let, r be the common ratio.

Then, 17r*15r = 1020

$255r^2 = 1020$

$r^2 = 4$

r = 2

So, age of Sunny is 34 and Rony is 30.

10 years ago Rony was 20.

Therefore, Rony : Tony = 5:7

20: Tony= 5:7

Then, Tony = 28 years.

After 20 years Sunny : Rony : Tony = 54 : 50 : 58 = 27 : 25 : 29

79. Ans. C.

Let the income be 'S'

Total income = Business investment + Cost of car + Remaining cash

S = 20% of total savings + $(1/60)^{th}$ of total savings + 9400

S = (S/5) + (S/60) + 9400

S*(47/60) = 9400

S = (9400)*60/47

S = 12000

80. Ans. D.

From the question

As Avinash says he will get greater than 65 but less than 72. It means he might get one of these 66, 67, 68, 69, 70, 71.

As per his parents he will get marks averaging greater than 60 but less than 70. Now the update probable marks are 66, 67, 68, 69.

As per his teacher he will not get marks averaging more than 68. Now the update probable marks are 66, 67, 68.

The answer is = $\frac{66+67+68}{3}$ = 67

81. Ans. B.

Let the number of kites purchased by A = 5X

The number of kites purchased by B = 6X

According to question

(5X+40)/(6X+40)=7/8

40X+320 = 42X+280

2X = 40

X=20

The person who got less kite = A = 5X = 5*20 = 100

The basic salary of the person who got less kites = A = 100*75 = Rs. 7500

82. Ans. A.

Remaining profit after Ram receives the part of profit because the business started on his land = (85*10500)/100= Rs. 8925

Ratio of Ram to the Rohit investment = 20000/30000 = 2:3

The share of Rohit in the profit=8925*(3/5)=Rs. 5355

83. Ans. C.

Given that in the election, the candidate who got 54% of the votes cast won by 128 votes.

Let the number of valid votes cast be 'a'.

⇒54% of a – 46% of a = 128

⇒0.08a = 128

⇒a = 1600

Let the number of invalid votes be 'b'.

Now, 80% of the voters on voter list cast their vote.

Number of people on voting list = 2040

Thus, 1600 + b = 80% of 2040

⇒1600 + b = 1632

⇒b = 32

84. Ans. A.

Amount of work done by 18 boys and 24 girls in 12 days = 12/16=3/4

Remaining work = 1- 3/4= 1/4

Now 12 boys complete ¼ work in 9 days

Therefore 18 boys can complete the entire work in 9*4*12/18 = 24 days

24 girls have to complete the job= 1/16 – 1/24= 1/48 = 48 days

85. Ans. B.

Distance covered by A in 2 hour = 2*60=120km

Time taken by B to overtake A=120/(80 - 60)= 120/20= 6hr

This implies A had started 8hr before he overtaken.

Distance travel by B in 6hr = 6*80= 480km

Time taken by C = 480/120= 4 hr

It means that C starts (8-4)=4hr after A.

86. Ans. A.

1st series

5   15   45   135

  ×3   ×3   ×3

2nd series

243 81 27 9

  ÷ 3 ÷ 3 ÷ 3

87. Ans. D.

19 + 1 × 2 = 21

21 + 2× 3 = 27

27 × 3 × 4 = 39

39 + 4 × 5 = 59

59 + 5× 6 = 89
89 + 6 × 7 = 131
88. Ans. D.
21600÷2=10800
10800÷3=3600
3600÷4=900
900÷5=180
180÷6=30
89. Ans. C.
26 × 0.5 − 1 = 12
12 × 1 − 1 = 11
11 × 1.5 − 1 = 15.5
15.5 × 2 − 1 = 30
30 × 2.5 − 1 = 74
90. Ans. D.
2520/2 = 1260
1260/ 2.5 = 504
504/3 = 168
168/3.5= 48
48/4 = 12
Hence ? = 48
91. Ans. E.
Interest earned on Savings account
5*10000*2/100 + 6*2500*2/100 = 1000 + 300$
= 1300$
Interest earned on Fixed deposits
7*2500*2/100 = 350$
Total interest earned = 1300 + 350 = 1650$
92. Ans. A.
Interest earned on Fixed deposits
7*15000*4/100 = 4200$
Interest earned on Savings
5.5*8000*4/100 = 1760$
Total interest earned = 4200 + 1760 = 5960$
93. Ans. E.
Interest earned on Fixed deposits
7*12550*1.5/100 = 1317.75
Amount = 12550 + 1317.75 = 13867.75$
Interest earned on Savings in Bank of America
5*10000*1.5/100 + 6*3867.5*1.5/100 = 750 +
348 = 1098$
Amount = 13687.75 + 1098 = 14785.75$ (Approx)
94. Ans. E.
Interest earned by Ross
5.5*10000*2/100 + 6.25*15000*2/100 = 1100 +
1875 = 2975$
Interest earned by Daniel
7.5*18950*2/100 = 2842.5
Difference in interest earned = 2975 − 2842.5 =
132.5$

95. Ans. A.
Interest earned in Citigroup Bank
5.75*10000*1/100 + 6.5*5000*1/100 = 575 +
325 = 900$
Interest earned in Wells Fargo
5.5*10000*1/100 + 6.25*5000*1/100 = 550 +
312.5 = 862.5$
Ratio = 900:862.5 = 72:69 = 24:23
96. Ans. C.
Let the three digit number be XYZ
from statement B :
X=Z=6
so the number is 6X6
From statement A:
As the number is divisible by 9,
so the sum of the digit of the number must be a
multiple of 9
hence X=6 is the only number which satisfies the
condition
So both the statements are needed to answer the
question
97. Ans. A.
Percentage of boys in the college=40%
so the percentag of girls in the college=100%-
40%=60%

A $\Rightarrow$ Required Ratio
= 60:40
= 3 : 2
98. Ans. E.
if you cannot get the answer from the
statements A and B together, but need even more
data.
99. Ans. D.

A $\Rightarrow$ Speed of Car = 135/3 = 45 km/hr

B $\Rightarrow$ Speed of Car = 270/6 = 45km/hr
100. Ans. E.
From statements I and II,
4 M + 6 F = 12 F
∴ 4 M = 6 F

∴ 10 M = $\dfrac{6}{4} \times 10 = 15$ F

∴ Required number of days = $\dfrac{12 \times 16}{15}$

= 12.8 days
So, the data in both the Statements I and II
together are necessary to answer the question.

***