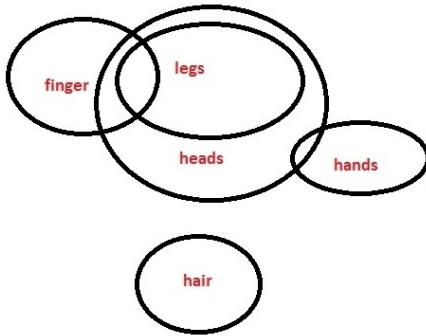


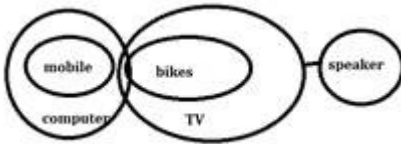
### Solutions

1. Ans. E.



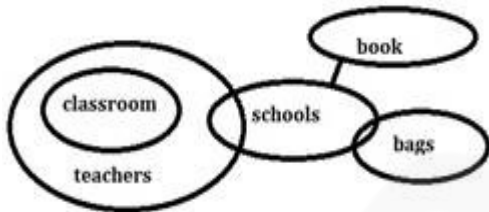
Only I, II and III will follow.

2. Ans. D.



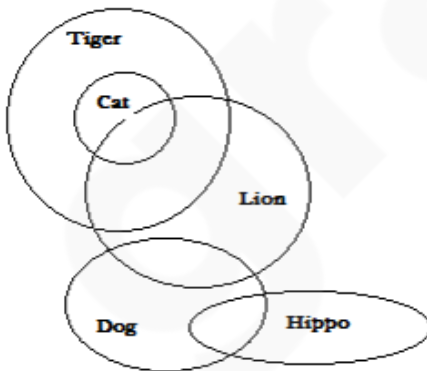
Conclusion II is definitely true but only one of the conclusions I & III will be true at one time.

3. Ans. E.



4. Ans. B.

Step 1: Diagram



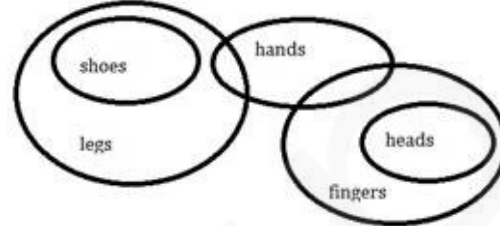
I. Some tigers are hippo---No direct relation---It doesn't follow

II. Some lions are tiger-----It follows

III. No lion is hippo---No direct relation---it doesn't follow

IV. All dogs are tiger---it doesn't follow  
Hence the answer is B) only II follows

5. Ans. E.



Conclusion I and IV follows either or case. So Option E.

6. Ans. E.

Second lowest number = 614

third digit = 4

7. Ans. B.

Highest number = 965

Sum of first and second number

= 9 + 6 = 15

8. Ans. A.

According to question, after interchanging the number

823, 956, 784, 295, 641

Lowest number = 295 and last number = 5

9. Ans. E.

According to question, after interchanging the number

382, 695, 478, 529, 164

Second highest number = 529 and

2<sup>nd</sup> number = 2

10. Ans. C.

Third largest number = 748

Difference between first and third digit

= 8 - 7 = 1

11. Ans. D.

Shweta is fifteenth from the left and Jyoti is third to the left of Shweta.

So, Jyoti's position from left = 12th

Ram who is seventh to the right of Jyoti, is fifth from the right end of the row.

Ram's position from left end = 19th

Ram's position from right end = 5th

From above, it is clear that there are ( 19+5-1=23 students in total)



**Bank Complete**  
Online Test Series

ATTEMPT NOW

Shweta's position from right end =  $23 - 15 + 1 = 9$ th

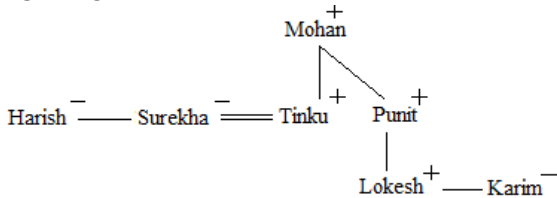
Hence, option D is the correct response.

12. Ans. B.

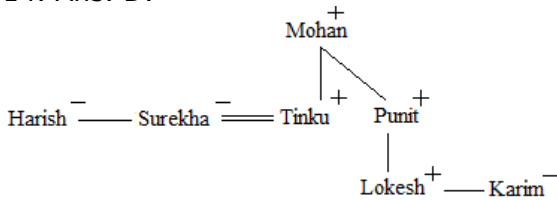
P is taller only than R → which means - P is smaller than Q and M. Q is shorter than M, Hence, M is the tallest person.

$M > Q > P > R$

13. Ans. B.

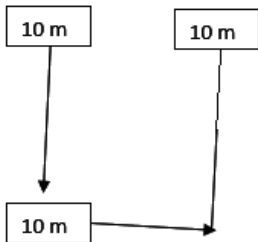


14. Ans. D.



All the rest are males, except Harish.

15. Ans. B.



16. Ans. C.

**Given statement** -  $A \geq Q, B \leq T, A = B$ ,  
**for conclusion**

**I.**  $B = Q$

$B = A \geq Q$

$B = Q$  may be true

**II.**  $B > Q$

$B = A \geq Q$

$B > Q$  may be true

Hence, either conclusion I or II is true.

17. Ans. D.

**Given Statement:**

$Z \leq A, A > R, A = W$

**for the conclusion I**

$Z \leq A > R$

**I.** R

**for the conclusion II**

$Z \leq A = W$

**II.**  $Z < W$  --- is false

Hence, neither conclusion I nor II is true.

18. Ans. C.

Given statement:

$A = Y \leq C > W$

**for the conclusion I**

$A = Y \leq C$

$A \leq C$

**I.**  $C = A$  --- may be true

**for the conclusion II**

$A = Y \leq C$

$A \leq C$

**II.**  $C > A$  --- may be true

But this forms complementary pairs, hence either conclusion I or II is true.

19. Ans. D.

Given statement:

$K < M, Y = X < Z, K < Y$

**Conclusions:**

**for conclusion I**

$Y > K < M$

**I.**  $Y > M$  --- false

**for conclusion II**

$Z > X = Y > K < M$

**II.**  $M > Z$  --- false

Hence, neither conclusion I nor II is true.

20. Ans. E.

None of the options can be true from the above relation.

21. Ans. B.

Hetal stays in Vikhroli and her hobby is neither dancing nor reading.

Jayshree's hobby is drawing and she does not stay in either Dadar or Matunga.

Meena stays in Kaojurmarg and her hobby is cooking.

Rohini likes reading but she and Nidhi do not stay in Matunga.

Hetal	Vikhroli	(Dancing)X (Reading)x
Jay	(Dadar)x (Matunga)x	Drawing
Rohini	(Matunga)x	Reading
Meena	Kaojurmarg	Cooking
Nidhi	(Matunga)x	
Swati		



**Bank Complete**  
Online Test Series

ATTEMPT NOW

Since, Rohini, Jayshree and Nidhi are not from Matunga. Hence, Swati stays in Matunga. Jayshree does not stay in either Dadar or Matunga. Hence, Rohini stays in Dadar. Hence, Jayshree stays in Thane. Hetal's hobby is neither dancing nor reading. Hence, Swati's hobby is dancing. Only one place left for singing which is the hobby of Hetal.

Friends	Area	Hobby
Hetal	Vikhroli	Singing
Jayshree	Thane	Drawing
Rohini	Dadar	Reading
Meena	Kanjurmarg	Cooking
Nidhi	Mulund	Travelling
Swati	Matunga	Dancing

Swati's hobby is dancing.

22. Ans. D.

Hetal stays in Vikhroli and her hobby is neither dancing nor reading.

Jayshree's hobby is drawing and she does not stay in either Dadar or Matunga.

Meena stays in Kaojurmarg and her hobby is cooking.

Rohini likes reading but she and Nidhi do not stay in Matunga.

Hetal	Vikhroli	(Dancing)X (Reading)x
Jay	(Dadar)x (Matunga)x	Drawing
Rohini	(Matunga)x	Reading
Meena	Kaojurmarg	Cooking
Nidhi	(Matunga)x	
Swati		

Since, Rohini, Jayshree and Nidhi are not from Matunga. Hence, Swati stays in Matunga. Jayshree does not stay in either Dadar or Matunga. Hence, Rohini stays in Dadar. Hence, Jayshree stays in Thane. Hetal's hobby is neither dancing nor reading. Hence, Swati's hobby is dancing. Only one place left for singing which is the hobby of Hetal.

Friends	Area	Hobby
Hetal	Vikhroli	Singing
Jayshree	Thane	Drawing
Rohini	Dadar	Reading
Meena	Kanjurmarg	Cooking
Nidhi	Mulund	Travelling
Swati	Matunga	Dancing

Hetal's hobby is singing.

23. Ans. C.

Hetal stays in Vikhroli and her hobby is neither dancing nor reading.

Jayshree's hobby is drawing and she does not stay in either Dadar or Matunga.

Meena stays in Kaojurmarg and her hobby is cooking.

Rohini likes reading but she and Nidhi do not stay in Matunga.

Hetal	Vikhroli	(Dancing)X (Reading)x
Jay	(Dadar)x (Matunga)x	Drawing
Rohini	(Matunga)x	Reading
Meena	Kaojurmarg	Cooking
Nidhi	(Matunga)x	
Swati		

Since, Rohini, Jayshree and Nidhi are not from Matunga. Hence, Swati stays in Matunga. Jayshree does not stay in either Dadar or Matunga. Hence, Rohini stays in Dadar. Hence, Jayshree stays in Thane.

Hetal's hobby is neither dancing nor reading. Hence, Swati's hobby is dancing. Only one place left for singing which is the hobby of Hetal.

Friends	Area	Hobby
Hetal	Vikhroli	Singing
Jayshree	Thane	Drawing
Rohini	Dadar	Reading
Meena	Kanjurmarg	Cooking
Nidhi	Mulund	Travelling
Swati	Matunga	Dancing

Nidhi's hobby is travelling.



24. Ans. A.

Hetal stays in Vikhroli and her hobby is neither dancing nor reading. Jayshree's hobby is drawing and she does not stay in either Dadar or Matunga. Meena stays in Kaojurmarg and her hobby is cooking. Rohini likes reading but she and Nidhi do not stay in Matunga.

Hetal	Vikhroli	(Dancing)X (Reading)x
Jay	(Dadar)x (Matunga)x	Drawing
Rohini	(Matunga)x	Reading
Meena	Kaojurmarg	Cooking
Nidhi	(Matunga)x	
Swati		

Since, Rohini, Jayshree and Nidhi are not from Matunga. Hence, Swati stays in Matunga. Jayshree does not stay in either Dadar or Matunga. Hence, Rohini stays in Dadar. Hence, Jayshree stays in Thane. Hetal's hobby is neither dancing nor reading. Hence, Swati's hobby is dancing. Only one place left for singing which is the hobby of Hetal.

Friends	Area	Hobby
Hetal	Vikhroli	Singing
Jayshree	Thane	Drawing
Rohini	Dadar	Reading
Meena	Kanjurmarg	Cooking
Nidhi	Mulund	Travelling
Swati	Matunga	Dancing

Jayshree stays in Thane.

25. Ans. D.

Hetal stays in Vikhroli and her hobby is neither dancing nor reading. Jayshree's hobby is drawing and she does not stay in either Dadar or Matunga. Meena stays in Kaojurmarg and her hobby is cooking. Rohini likes reading but she and Nidhi do not stay in Matunga.

Hetal	Vikhroli	(Dancing)X (Reading)x
Jay	(Dadar)x (Matunga)x	Drawing
Rohini	(Matunga)x	Reading
Meena	Kaojurmarg	Cooking
Nidhi	(Matunga)x	
Swati		

Since, Rohini, Jayshree and Nidhi are not from Matunga. Hence, Swati stays in Matunga. Jayshree does not stay in either Dadar or Matunga. Hence, Rohini stays in Dadar. Hence, Jayshree stays in Thane. Hetal's hobby is neither dancing nor reading. Hence, Swati's hobby is dancing. Only one place left for singing which is the hobby of Hetal.

Friends	Area	Hobby
Hetal	Vikhroli	Singing
Jayshree	Thane	Drawing
Rohini	Dadar	Reading
Meena	Kanjurmarg	Cooking
Nidhi	Mulund	Travelling
Swati	Matunga	Dancing

Rohini stays in Dadar.

26. Ans. B.

$$I. p^2 - 14p - 5p + 70 = 0$$

$$p(p - 14) - 5(p - 14) = 0$$

$$p = 5, 14$$

$$II. 2q^2 - 10q - 7q + 35 = 0$$

$$2q(q - 5) - 7(q - 5) = 0$$

$$q = 5, 7/2$$

on comparing values of p and q from both the equation we get that  $p \geq q$

27. Ans. D.

$$2x^2 - 21x + 49 = 0$$

$$2x^2 - 7x - 14x + 49 = 0$$

$$X(2x-7)-7(2x-7)=0$$

$$(x-7)(2x-7)=0$$

$$x=7/2, 7$$

$$y^5=16807$$

$$y = 7$$

$$y \geq x$$



28. Ans. B.

$$I. 5p^2 - 16p + 11 = 0$$

$$5p^2 - 11p - 5p + 11 = 0$$

$$p(5p-11) - 1(5p-11) = 0$$

$$(5p-11)(p-1) = 0$$

$$p = 1, 11/5$$

$$II. 5q^2 - 3q = 2$$

$$5q^2 - 3q - 2 = 0$$

$$5q^2 - 5q + 2q - 2 = 0$$

$$5q(q-1) + 2(q-1) = 0$$

$$(5q+2)(q-1) = 0$$

$$q = 1, -2/5$$

on comparing values of p and q from both the equation we get that  $p \geq q$

29. Ans. B.

$$(625)^{1/4} x + \sqrt{1225} = 125$$

$$5x + 35 = 125$$

$$5x = 125 - 35$$

$$5x = 90$$

$$x = 90/5$$

$$x = 18$$

$$\sqrt{196y} + 13 = 279$$

$$14y + 13 = 279$$

$$14y = 266$$

$$y = 266/14$$

$$y = 19$$

$$x < y$$

30. Ans. C.

$$I. 8p^2 - 15p + 7 = 0$$

$$8p^2 - 8p - 7p + 7 = 0$$

$$8p(p-1) - 7(p-1) = 0$$

$$(p-1)(8p-7) = 0$$

$$p = 1, 7/8$$

$$II. 2q^2 - 7q + 6 = 0$$

$$2q^2 - 7q + 6 = 0$$

$$2q^2 - 4q - 3q + 6 = 0$$

$$2q(q-2) - 3(q-2) = 0$$

$$(q-2)(2q-3) = 0$$

$$q = 2, 3/2$$

on comparing values of p and q from both the equation we get that  $p < q$

31. Ans. A.

$$2 \times 1 + 2 = 2 + 2 = 4$$

$$4 \times 2 + 3 = 8 + 3 = 11$$

$$11 \times 3 + 4 = 33 + 4 = 37$$

$$37 \times 4 + 5 = 148 + 5 = 153$$

$$153 \times 5 + 6 = 765 + 6 = 771$$

32. Ans. C.

$$256 - 4 = 252$$

$$252 - 8 = 244$$

$$244 - 16 = 228$$

$$228 - 32 = 196$$

$$196 - 64 = 132$$

33. Ans. C.

Let the smaller number be x and larger number be y. Now

$$x + y = 12^2 + 16^2 = 400$$

$$y = 7^2 - 63 = 280$$

$$x = 120$$

$$\text{Required sum} = 240 + 140 = 380$$

34. Ans. E.

Limited rate of interest for 2 years

$$\left(4 + 4 + \frac{4 \times 4}{100}\right)\% = 8.16\%$$

$$CI = (6500 \times 8.16) / 100 = ₹ (520 + 10.40) = ₹ 530.4$$

35. Ans. A.

Month	Total Call drops
July	4270
August	4375
September	4385
October	4225
November	4100
December	4365

August is the month with 2<sup>nd</sup> highest number of call drops, and it is lower by 10 compared to highest (September, 4385) =  $10/4385 = 0.2\%$

36. Ans. B.

Service Provider	Calls dropped (Sept)	Calls through (Sept) (calls dropped x 36)	Total calls
Airtel	1285	46260	47545
Jio	1600	57600	59200
Vodafone	1500	54000	55500

Therefore, total calls made (Calls dropped + Calls through) in Sept = 162245

Alternatively, we can just add the call drops in September for all 3 service providers and multiply it by 37 to get the final answer.

37. Ans. C.

If we see clearly, there are only 6 occasions when the number of calls dropped has fallen.



They are as follows-

Service provider	Current month	Previous month	Percentage fall
Airtel	August - 1475	1555	5%
Airtel	September - 1285	1475	13%
Airtel	November - 1270	1395	8.9%
Jio	October - 1580	1600	1.25%
Jio	November - 1450	1580	8.2%
Vodafone	October - 1250	1500	16.7%

From the table above, Vodafone saw the highest % decline in call drops in October.

38. Ans. D.

Average of Jio in previous 6 months-

Total-  $1440 + 1550 + 1600 + 1580 + 1450 + 1535 = 9155$

Average =  $\text{Total}/6 = 9155/6 = 1525.83$

5% less than average = 95% of Average =

Average \* 0.95  $\approx$  1450

39. Ans. E.

Service provider	Total calls dropped (6 months)	Probability of call > 1 minute	Calls longer than 1 minute that were dropped
Airtel	8360	0.35	2926
Jio	9155	0.6	5493
Vodafone	8205	0.8	6564
			= 14983

Therefore, a good estimate of calls that were dropped and were more than a minute long is 14983.

40. Ans. E.

Let initial quantity of milk & water in the mixture are  $5x$  &  $4x$

2 litres water is added.

Hence,

New quantity of milk & water will be  $5x$  &  $(4x+2)$

ATQ,

$$5x/(4x+2) = 10/9$$

$$x/(4x+2) = 2/9$$

$$9x = 8x + 4$$

$$x=4$$

Hence, new amount of water in the mixture =  $4x+2 = (4*4) + 2 = 18$  litres

41. Ans. E.

11 22 35 52 75 106 147

11 13 17 23 31 41

2 4 6 8 10

42. Ans. D.

Area =  $1444\text{m}^2$

Side =  $\sqrt{1444} = 38$

$$B = 38 \times 1/4$$

$$L = 38 \times 3/4$$

Difference

$$1444 - \frac{38}{4} \times 38 \times \frac{3}{4}$$

$$1444 \{1 - 3/16\} = 1444 \times 13/16$$

$$= 1173.25 \text{ m}^2$$

43. Ans. B.

Let the amount received by Ram be Rs. R and that received by Shyam be Rs. S.

**Formula:**

Simple Interest

$$= \frac{\text{Principal} \times \text{Duration} \times \text{Rate}}{100}$$

According to the given information:

$$\frac{\text{Ram's simple interest}}{\text{Shyam's simple interest}} = \frac{2}{1}$$

$$\frac{R \times 3 \times 15 / 100}{S \times 5 \times 12 / 100} = \frac{2}{1}$$

$$\therefore \frac{R \times 3 \times 15}{S \times 5 \times 12} = \frac{2}{1}$$

$$\therefore \frac{R \times 3}{S \times 4} = \frac{2}{1}$$

$$\therefore \frac{R}{S} = \frac{8}{3}$$

Thus, the Ramchand's share was divided in the ratio 8 : 3

Hence the correct option is option (B).

44. Ans. D.

$$? = (1.99 \times 4.99^3 - \sqrt{624.998} \times 2.03^2)$$

$$? = (2 \times 5^3 - \sqrt{625} \times 2^2)$$

$$? = (2 \times 125 - 25 \times 4) = 250 - 100 = 150$$

45. Ans. A.

$$17^2 \times 15 + 275 = x + 4125$$

$$289 \times 15 + 275 = x + 4125$$

$$4335 + 275 = 4125$$

$$4610 = x + 4125$$

$$x = 4610 - 4125$$

$$x = 485$$

46. Ans. E.

$$125 \div 25 + 15 = x + 14$$

$$5 + 15 = x + 14$$

$$20 = x + 14$$



$$X=20-14$$

$$X=6$$

47. Ans. E.

Approximating the values:

$$(\sqrt{81} - \sqrt{25}) \times (\sqrt{121} + \sqrt{16}) = ?$$

$$(9 - 5) \times (11 + 4) = ?$$

$$4 \times 15 = ?$$

$$? = 60$$

48. Ans. C.

$$112 \times 5 \div 14 = 11 + ?$$

$$112 \times 5 \div 14 = 11 + ?$$

$$560 \div 14 = 11 + ?$$

$$40 = 11 + ?$$

$$? = 40 - 11 = 29$$

49. Ans. B.

Let the number of sweet each children get be x.

Now, according to the question,

$$\left(\frac{4800}{x} - 100\right)(x+4) = 4800$$

$$\text{or, } \left(\frac{48}{x} - 1\right)(x+4) = 48$$

$$\text{or, } (48 - x)(x+4) = 48x$$

$$\text{or, } x^2 + 4x - 192 = 0$$

$$\text{or, } (x+16)(x-12) = 0$$

$$\therefore x = 12 \text{ sweets}$$

$$\text{So, number of students} = 4800/12 = 400$$

50. Ans. D.

Manikam worked for a total of 31 days at an average rate per day being Rs. 90.

$$\therefore \text{the total wage earned by Manikam} = 31 \times 90 = \text{Rs. } 2790 \text{ .....(1)}$$

The average wage for the first 15 days was Rs. 87.

$$\therefore \text{the total wage earned during the first 15 days} = 15 \times 87 = \text{Rs. } 1305. \text{ .....(2)}$$

The average wage for the last 15 days was Rs. 92.

$$\therefore \text{the total wage earned during the first 15 days} = 15 \times 92 = \text{Rs. } 1380. \text{ .....(3)}$$

Wage earned in 31 days by Manikam = Wage

earned in first 15 days +

Wage earned on the 16th day +

Wage earned in last 15 days

Let the wage for the 16th day be 'S'

Substituting values from (1), (2) and (3) we get,

$$\therefore 2790 = 1305 + S + 1380$$

$$\therefore 2790 = S + 2685$$

$$\therefore S = \text{Rs. } 105$$

Thus, wage on the 16th day is Rs. 105

Hence the correct option is option (D).

51. Ans. B.

The answer to this is statement 'B.' In paragraph 1 we see that Barbarians are given the name by people of civilized societies. They are viewed as people who only rely on strength to get by or a group of people who rely on physical strength rather than intellect. Hence, option B is the correct answer.

52. Ans. C.

It can be inferred from the second paragraph of the passage "Although barbarian cultures generally worked against the advancement of civilization, there are historical examples in which barbarian cultures and actions contributed to societal progress. In particular, when a culture has become stagnant and is in decline, pressure from barbarians can stimulate innovation and bring new energy, or can hasten the demise of a society that is seriously corrupt."

Hence, option C is the correct answer.

53. Ans. A.

The answer to this is statement 'A.' In paragraph 3, we learn that Nomads gather their own food. Nomadic societies hunt and gather for their own food while barbarians plunder other societies. Barbarians steal and loot the resources of others. Thus, option A is the correct answer.

54. Ans. E.

The answer to this is statement 'E.' In paragraph 4 we see that barbarians feel that out-group members are selfish, evil and mean and therefore they see themselves as superior to such out-groups. Hence, option E is the correct response.



55. Ans. C.

The answer to this is statement 'C.' This reflects all the characteristics of Barbarians as described in paragraph 1, 2 and 3.

56. Ans. D.

Originally, barbarians were those who relied on strength rather than intellect. Now they are those who are perpetrators of violence. The answer to this is statement 'D.' It is seen in paragraph 2 that barbarians are those who used to rely on violent means to achieve their ends. They were not seen as destroyers, but now there is a negative meaning associated with the word.

57. Ans. A.

The answer is 'A.' Connotation refers to an idea or feeling which a word invokes for a person in addition to its literal or primary meaning. In this context, 'association' is similar to connotation.

58. Ans. E.

The answer is 'E.' Demeaning is to cause a severe loss in the dignity of and respect for (someone or something). Therefore the opposite of 'Demean' would be to exalt or praise the virtues of something.

59. Ans. C.

'Expects' means regard something as probable or likely. What we need to use in its place here is 'aspect'. It means a particular part or feature of something. In the above sentence, we are talking about the features of the organisation and not what we expect from it. Hence, the correct answer is C.

60. Ans. D.

The error lies with the incorrect usage of a pronoun. 'Whom' is the object of a verb (i.e. the one being acted upon). The difference between 'who' and 'whom' is similar to that between 'he' and 'him'. 'He' is the subject of the verb, and 'him' is an object. Similarly, 'who' is the subjective pronoun and the sentence demands the subjective pronoun and not objective pronoun.

Hence, D is correct.

61. Ans. B.

The error lies in the second part of the sentence.

The word 'fable', here, defines actress; hence

should be replaced by its adjective form.

'Fable' (noun) means storied, and its verb means to tell stories. The adjective form of 'fabled' means famous, especially by reputation.

Hence, option B is the correct response.

62. Ans. A.

The error lies in the first part of the sentence.

'Farther' means at, to, or by a great distance whereas, 'further' means additional to what already exists or has already taken place, been done, or been accounted for. So, instead of 'farther', 'further' should be used. Thus, option A is the correct response.

63. Ans. A.

The best option to be appropriate here is 'abet' which means 'To urge, encourage, or help (a person), esp. in wrongdoing.' Thus option A is the correct answer.

Abject => (of something bad) experienced or present to the maximum degree.

Retaliate=> make an attack in return for a similar attack.

Rancor=> bitterness or resentfulness, especially of long standing.

Ruckus => A row or commotion

Hence, option A is the correct answer.

64. Ans. E.

Sentence (A) talks about the material of the helmet which is made of Brass hence called brazen.

Sentence (B) talks about the girl's bold and shameless attempt which is labelled as brazen.

Hence, option E is the correct answer.

65. Ans. E.

Here it is very necessary to get proper understanding of the tone of the sentence. The word that fits into both the sentence is optimistic. The give away in the first sentence is 'but still' indicating not a very good mindset.

Hence, option E is the correct answer.

66. Ans. C.

The proper term is 'extract' because information is usually extracted. Do not get confused with 'gain' as it causes subject verb





disagreement. Hence, option C is the correct answer.

67. Ans. E.

'Undertake' means to promise to accomplish; to take up a task. The fits both the blanks appropriately, thus, option E is the correct answer.

68. Ans. B.

There is no object for far-reaching in the given sentence. Moreover, the correct phrase is 'hit the nail on the head' which means to find exactly the right answer.

Option A: Incorrect use of phrasal verb

Option C: 'outreach' makes the statement incorrect in the initial phase.

Option D: The fragment goes in the future tense.

Thus, option B is the correct response.

69. Ans. B.

'Formed' is the past tense of the word 'form' which is incorrect here and needs to be replaced with the word in its present tense that is 'forms' so that the sentence conveys the Universal truth and thus needs to be written. The preposition 'of' as mentioned in option D is not required and is incorrect. Thus option B is the correct answer.

70. Ans. A.

The answer to this is 'and who tiptoed around important issues.' 'To tiptoe around something' is to shy away from important issues.

Thus, option A is the correct response.

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