www.MyPlacementPrep.com

Pro Material Series

9/5/2019

SixPhrase- mySlate

Test Summary

No. of Sections: 1
No. of Questions: 46 Total Duration: 100 min

Section Summary

No. of Questions: 46 Duration: 100 min

Additional Instructions:

None

CTS Quantitative PDF

Section 1 - Quantitative

Q1. 1. Rahul can nish one fth of his homework in one hour. Neha can nish three seventh of her homework in one hour thirty mins, riya can nish three fourth of her homework in three hours thirty mins. If all of them start their homework at 12.00pm, and can go to play as soon as they complete their work. When can they go to play if they take a break at 3.30pm for thirty minutes?

a. 5.00pm

b. 5.30pm

c. 4.40pm

d. 6.30pm

e. 3.30pm

Q2. . If a positive integer n is divided by 5 then the remainder is 3. Which of the following numbers gives remainder 0, when it is divided by 5?

Q3.

$(17^3 * 17^{5/2} * (17^3)^{3/2}) * (17^{10/7} * (17^5)^{3/35} * (17^6)^{1/7}) =$

a) n+3

b) n-2

c) n+2

d)n+1

A) $17^{51/7}$

Q4.

Find the probability of forming 4 digits number using 1,2,3,4,5,6,7,8 without any repetition?

Q5.

A detergent powder company is having a contest. Each pack of 1kg contains one of the letters B, A, M, and O. In every 20 packs there are four B's, ten M's and one O. What is the probability that a pack will have a B?

Q6.

-3.4 is a number on the real number line. if we subtract 1 from this number then the new number will be

Q7.

b) $17^{43/7}$

c) 175

d) 1712

e) 1

a. 50

b. 60

c. 70

d. 80

e. 90

a. 1/4

b. 1/2

c. 1/5

d. 1/20

a. Farther from the origin than -3.4

b. Closer to the origin than -3.4

c. Equality farther from the origin as -3.4 is

d. None of the above

9/5/2019

A pie has to be divided amongst few kids. Puneet gets 2S/i7x Pthrasρeo- rmtyiSolnateof the pie and shella gets 5/8th portion of the pie. Who amongst the two gets lesser share?

Q8.

47,322 bulbs are to be packed in several boxes. Each box should contain equal numbers of bulbs and no bulb should be left unpacked. Number of boxes used can be:

Q9.

A book store offers a 10% discount on all the books sold plus an additional discount of 5% on the total bill, if the total bill after the initial discount is more or equal to rs.1000. Dilshan bought 3 books worth rs.450, rs.520 and rs.250 respectively. How much money was Dilshan able to save as a result of various discounts offered by the store?

Q10.

An air container can cool the hall in 40 minutes while another takes 45 minutes to cool under similar conditions. If both air conditioners are switched on at same instance, then how long will it take to cool the room?

a. Puneet

b. Sheela

c. Both get equal share

d. Cannot be determined

a) 12

b) 11

c) 8

d) 14

a. 102

b. 176.9

c. 61

d. 183

e. none of the above

a. About 22 minutes

b. About 20 minutes

c. About 30 minutes

d. About 25 minutes

Q11.

SixPhrase- mySlate

Q12.

Varun is guessing which of the 2 hands holds a coin. What is the Probability that varun guesses correctly 3times?

Q13.

What is the value of the expression: 5*(2+16)/2 - 4 *(2+2) + 1/4 of 16?

Q14.

Which number should be multiplied by 43 so that it will have 3 prime factors?

Q15.

Every year before the festive season, a shopkeeper increases the price of the products by 35% and then introduces two successive discounts of 10% and 15% respectively. What is his percentage loss or gain?

Find x: (2/7)-8 (7/2)-2= (2/7)2x

a. 3

b. -3

c. -6

d. 2

a. 1/6

b. 1/2

c. 1/4

d. 1/8

a. 26

b. 13

c. 34

d. 33

a. 2

b. 3

c. 6

d. 8

9/5/2019

SixPhrase- mySlate

A.3.27% loss

Q16.

Find the largest two digit number that divides 673 and 865, leaving remainder 1 in each.

Q17.

1. What is the difference between the LCM and HCF of numbers 20, 30 and 40?

Q18.

1. Suparna needs to browse through 75 pages of a novel before she gives her review to the class . She has 2.5 hours before the lecture . What should be her reading speed in pages /hour?

B.3.27% gain

C. No pro13t, no loss 8.875%

D.loss 8.875% gain

A. 91

B. 93

C. 96

D. 98

a. 100

b. 110

c. 120

d. 130

a. 16

b. 30

c. 20

d. 22

Q19. 1. A bag contains Orange avoured candies only. Malini takes out one candy with out looking into the bag.What is the probability that she takes out an orange avoured candy?

a. 0

b. 1/2

c. 1/3

d. 1

Q20. 1. Shobhit bought 300 litres of milk at Rs.19 per litre. He added 200 liters of water to it and sold 400 litres of a milk at Rs.20 per litre. To the rest, he added 10 litres more water and then sold it for Rs. 15 per litre, if he used mineral water that costs Rs.10 per litre, then the total money earned by Shobhit is:

a. Rs.4000

b. Rs.4150

c. Rs.1800

d. Rs.1850

Q21. A ower seller purchases roses at Rs. 96 a dozen and sells them at Rs 10 per ower. What is the pro17t percent of the ower seller?

A) 0.4

B) 0.2

C) 0.25

D) 0.15

Q22. A ower seller purchases roses at Rs. 96 a dozen and sells them at Rs 10 per ower. What is the pro17t percent of the ower seller?

A) 0.4

B) 0.2

9/5/2019

SixPhrase- mySlate

C) 0.25

D) 0.15

Q23. A restaurant prepares 22 litres of a mixture that contains 25% of orange essence and the remaining quantity as water. If 3 litres of water is mixed in this mixture, what will be the percentage of orange essence in the new mixture?

A) 34%

B) 4%

C) 12%

D)22%

Q24. A restaurant prepares 22 litres of a mixture that contains 25% of orange essence and the remaining quantity as water. If 3 litres of water is mixed in this mixture, what will be the percentage of orange essence in the new mixture?

A) 34%

B) 4%

C) 12%

D)22%

Q25. A train travelling at 250 kmph overtakes a cyclist who is travelling at 10 kmph in 45 seconds. What is the length of the train in metres?

a) 3,000m

b) 5,400m

c) 6,000m

d)10,800m

Q26. Choose the correct option.
The number of 5-digit odd numbers that can be made from number 12345 are:

24

32

64

72

Q27. Deepak sells 50 shirts at the cost price of 60 shirts.his gain percent is

20%

30%

40%

25%

Q28. Find the Decimal number: (10101)2

a. 19

b. 20

c. 21

d. 22

Q29. Find the ratio of distances covered by a car and a cyclist when it given that the car moves for 1.5 hours at 30 kmph and the cyclist moves for 1 hour at 25 kmph?

a) 6:5

b) 9:5

c) 3:2

d) 5:1

Q30. If anita scores 65 out of hundred then how much does she score out of 75?

1. 50

2. 60

3. 66

4. 48

Q31. In how many ways can the team members be arranged for the team picture if all the males are always together and if the team comprises of 7 males and 6 females?

A) 13!

B) 7! 7!

C) 7! 6!

D) 14!

Q32. Number 1 is a

a. prime number

b. compositenumber

c. positive

d. number

e. both a and b

Q33. One gear of pulley rotates at a speed of 3 revolutions per second;another gear rotates at 5 revolutions per second. If both start together ,after how many seconds will they be together again?

A) 3

9/5/2019

SixPhrase- mySlate

B) 5

C) 15

D) 20

Q34. Pardeep receives an export order for garments. He has 30 machines to complete the order in 60 days. How many machines would be required to complete the Job in 40 days?

a) 50

b) 25

c) 35

d)45

Q35. Rasheb starts for a wedding venue at 6 pm and drives at a speed of 60 km/hr. Ramesh starts for the same venue at 6.30 pm. and drives at a speed of 75 km/hr When will both reach the venue. provided they reach at the same time?

a) 8.00 pm

b) 9.30 pm

c)9.00 pm

d) 8.30 pm

Q36. Sameer plant 7225 plants. so that there are as many rows as there are trees in a row. How many tree are in row?

Q37.

Simplify: $(144^{-3} / 2)^{-1} / 6$

A) 75

B) 95

C) 85

D) 65

9/5/2019

SixPhrase- mySlate

a. 2√3

b. 6

c. 3√2

d. 4

Q38. Suparna needs to browse through 75 pages of a novel before she gives her review to the class . She has 2.5 hours before the lecture . What should be her reading speed in pages /hour?

a. 16

b. 30

c. 20

d. 22

Q39. The largest measuring cylinder that can accurately ll 3 tanks of capacity 98,182 and 266 litreseach , is of capacity:

A) 2 litres

B) 7 litres

C) 14 litres

D) 98 litres

Q40. The number 456*85 is completely divisible by 3. Smallest whole digit number in place of *can be:

a) 0

b) 1

c) 2

d) 3

Q41. The tremors of the earthquake were felt at intervals of 15 seconds. The rst tremor was felt at 08.54:57 am and the last tremor was felt at 10:45:12 am. How many times were the tremors felt?

A) 484

B) 485

C) 441

D) 525

Q42. The tremors of the earthquake were felt at intervals of 15 seconds. The rst tremor was felt at 08.54:57 am and the last tremor was felt at 10:45:12 am. How many times were the tremors felt?

A) 484

B) 485

C) 441

D) 525

Q43. Three marketers distribute their products in a colony for pilot testing. Marketer A distributes 150 Items to the people equally and then was left with a few items. Marketer B distributes 270 Items to the people equally and then was left with the same number of Items as the number left with Marketer A. Marketer C distributes 320 items to the people and is left with the same number of items as the number left with Marketer A. What is the maximum possible number of people in the colony?

a) 10

b) 50

c) 75

d) 100

Q44. Three marketers distribute their products in a colony for pilot testing. Marketer A distributes 150 Items to the people equally and then was left with a few items. Marketer B distributes 270 Items to the people equally and then was left with the same number of Items as the number left with Marketer A. Marketer C distributes 320 items to the people and is left with the same number of items as the number left with Marketer A. What is the maximum possible number of people in the colony?

b) 50

c) 75

a.9

d) 100

Q45. What is the sum of two consecutive numbers ,the difference of whose squares is 19?

Q46.

What is the value of $(a^3)^5 / (a^2)^4$

a) 10

b.10

c.8

d.3

a. 7a

b. a^7

c. a^{-7}

d. None of these

Answer Key & Solution

Section 1 - Quantitative

Q1

Q2

Q3
c) 175

Solution

No Solution c. 70

Solution

No Solution c. 1/5

Solution

No Solution
a. Farther from the origin than -3.4

Solution

No Solution a. Puneet

Solution

No Solution b) 11

Solution

Q4

Q5

Q6

Q7

Q8

b. 5.30pm

Solution

No Solution c) n+2

Solution

No Solution

https://admin.myslate.sixphrase.com/school/test/preview?test_id=ad90e255-836c-4c40-b2ed-8c164b4e72c9&branch_id=c06873a3-d4df-49e9-ae9d-6f061f22a5a6&isprint=true

SixPhrase- mySlate

Q9

Q10

Q11

Q12

Q13

Q14

Q15

Q16

No Solution b. 176.9

Solution

No Solution
a. About 22 minutes

Solution

No Solution b. -3

Solution

No Solution d. 1/8

Solution

No Solution d. 33

Solution

No Solution c. 6

Solution

No Solution B.3.27% gain

Solution

No Solution C. 96

Solution

No Solution

15/20

9/5/2019

Q17

Q18

Q19

Q20

Q21

Q22

SixPhrase- mySlate

Q23

Solution

No Solution b. 30

Solution

No Solution a. 0

Solution

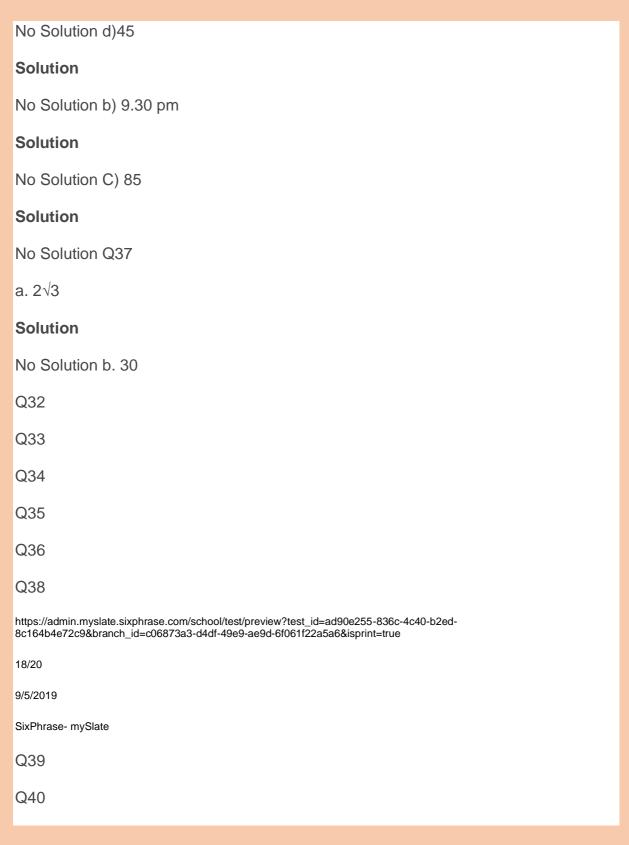No Solution d. Rs.1850

Solution

No Solution C) 0.25

Solution

No Solution C) 0.25

Solution

No Solution D)22%

Solution

No Solution

b. 110

9/5/2019

SixPhrase- mySlate

Q24

D)22%

Q25

Q26

Q27

Q28

Q29

Q30

Q31

Solution

No Solution a) 3,000m

Solution

No Solution 72

Solution

No Solution 20%

Solution

No Solution c. 21

Solution

No Solution b) 9:5

Solution

No Solution 4. 48

Solution

No Solution B) 7! 7!

Solution

No Solution c. positive

Solution

No Solution C) 15

Solution

No Solution d)45

Solution

No Solution b) 9.30 pm

Solution

No Solution C) 85

Solution

No Solution Q37

a. 2√3

Solution

No Solution b. 30

Q32

Q33

Q34

Q35

Q36

Q38

https://admin.myslate.sixphrase.com/school/test/preview?test_id=ad90e255-836c-4c40-b2ed-8c164b4e72c9&branch_id=c06873a3-d4df-49e9-ae9d-6f061f22a5a6&isprint=true

18/20

9/5/2019

SixPhrase- mySlate

Q39

Q40

Q41

Q42

Q43

Q44

Q45

No Solution C) 14 litres

Solution

No Solution c) 2

Solution

No Solution C) 441

Solution

No Solution C) 441

Solution

No Solution c) 75

Solution

No Solution c) 75

Solution

No Solution b.10

Solution

Solution

9/5/2019

SixPhrase- mySlate

Q46

No Solution b. a^7

Solution

No Solution

https://admin.myslate.sixphrase.com/school/test/preview?test_id=ad90e255-836c-4c40-b2ed-8c164b4e72c9&branch_id=c06873a3-d4df-49e9-ae9d-6f061f22a5a6&isprint=true 20/20

---

www.MyPlacementPrep.com

Free Mock Test and Video Tutorial

Free Placement Preparation Online Course with Free Mock Test
visit: www.MyPlacementPrep.com