108 DAYS ONLINE COACHING DAY(43) -17/09/2020 FRIDAY

Work and Time (1-3)

Name of the candidate *

M3 ▼

Place of the candidate *

Thiruvananthapuram ▼

WHATSAPP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) *

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Please watch the following videos and answer the following questions

1.A and B together can do a piece of work in 6 days and A alone can do it in 9 days.In 1 point how many days can B alone do it? *

◉ 18 days

○ 9 days

○ 6 days

○ 8 days

2.I can finish a work in 15 days at 8 hours a day.You can finish it in 6(2/3) days at 9 1 point hours a day.Find in how many days we can finish it working together 10 hours a day. *

○ 60 days

○ 40days

◉ 4days

○ 6days

3.16 men can do a piece of work in 10 days.How many men are needed to complete 1 point the work in 40 days. *

○ 40men

◉ 4 men

○ 10 men

○ 6 men

4.There is sufficient food for 400 men for 31 days.After 28 days 280 men leave the place .For how many days will the rest of the food last for the rest of the men *

1 point

- ⦿ 10 days
- ◯ 30 days
- ◯ 20 days
- ◯ 15 days

5. A and B can do a work in 8 days .Band C can do the same work in 12 days.A,B and C together can finish it in 6 days.A and C together will do it in *

1 point

- ◯ 10 days
- ⦿ 8 days
- ◯ 12 days
- ◯ 6 days

6.A and B can do piece of work in 12 days,B and C in 15 days,C and A in 20 days.How long would each take separately to do the same work *

1 point

- ⦿ 30 days,20 days,60 days
- ◯ 10 days,20 days,60 days
- ◯ 30 days,10 days,60 days
- ◯ 50 days,40 days,60 days

7.A and B together can do a piece of work in 12 days which B and C together can do in 1 point
16 days .After A has been working at it for 5 days,and B for 7 days,C takes up and
finishes it alone in 13 days.In how many days could each do the work by himself *

(•) A=16 days,B=48 days,C=24 days

( ) A=10 days,B=40 days,C=20 days

( ) A=30 days,B=30 days,C=20 days

( ) A=15 days,B=42 days,C=32 days

8.A can do a work in 6 days.B takes 8 days to complete it.C takes as long as A and B 1 point
would take working together.How long will it take B and C to complete the work
together *

( ) 24/7 days

(•) 12/5 days

( ) 48/7 days

( ) 10/5days

9.A is twice as good a workman as B .Together,they finish the work in 14 days.In how 1 point
many days can it be done by each separately? *

( ) 20,10 days

( ) 14,7 days days

(•) 42,21days

( ) 8,16days

10.A man,a woman and a boy can do a work in 3 days by working together .If a man and a boy can do that work in 6 days and 18 days respectively ,then a woman can do it in *

1 point

- ◉ 9 days
- ○ 21 days
- ○ 14 days
- ○ 27 days

11.A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is : *

1 point

- ○ 1/4
- ○ 1/10
- ○ 7/15
- ◉ 8/15

12. A and B can do a work in 45 and 40 respectively.They began the work together ,but A left after sometime and B finished the remaining work in 23 days.After how many days did A leave? *

1 point

- ○ 6 days
- ○ 7 days
- ○ 8 days
- ◉ 9 days

13.A certain number of men complete a work in 160 days.If there were 18 men more,the work could be finished in 20 days less.How many men were originally there *   1 point

- ○ 120
- ○ 123
- ○ 125
- ● 126

14.4 men and 6 women finish a job in 8 days while 3 men and 7 women finish in 10 days.In how many days will 10 women finish it? *   1 point

- ○ 30 days
- ● 40 days
- ○ 20 days
- ○ 50 days

15. A and B together can complete a task in 7 days. B alone can do it in 20 days. What part of the work was carried out by A? I. A completed the job alone after A and B worked together for 5 days. II. Part of the work done by A could have been done by B and C together in 6 days. *   1 point

- ● A. I alone sufficient while II alone not sufficient to answer
- ○ B. II alone sufficient while I alone not sufficient to answer
- ○ C. Either I or II alone sufficient to answer
- ○ D. Both I and II are not sufficient to answer
- ○ E. Both I and II are necessary to answer

16.A is thrice as good a workman as B.Together they can do a job in 15 days.In how many days will B finish the work * `1 point`

○ 15 days

○ 30 days

○ 45 days

● 60 days

17.A group of men decided to do a work in 10 days,but 5 of them became absent.If the rest of the group did the work in 12 days,find the original number of men? * `1 point`

● 30 men

○ 40 men

○ 20 men

○ 10 men

18. A and B can do a work in 15 and 10 days respectively.They started work by working together but after 2 days due to some reasons B left the work and A completed the remaining work. The complete work will be finished in * `1 point`

○ 10 days

○ 8 days

● 12 days

○ 15 days

19. x can do a work in 16 days.In how many days will the work be completed by y,if the 1 point
efficiency of y is 60% more than that of x *

⦿ 10 days

◯ 12 days

◯ 25 days

◯ 30 days

20.A completes a job in 2 days and B completes B in 3 days and C takes 4 days to 1 point
completes it. If they work together and get Rs 3900 for the job,then how much
amount does B get *

◯ Rs 1800

⦿ Rs 1200

◯ Rs 900

◯ Rs 800

21.S can finish 50% of a work in a day .T can do 25% of the work in a day.Both of them 1 point
together will finish the work in ---- days *

◯ 2.66

◯ 2.33

◯ 1.33

⦿ 1.67

22.A and B working separately can do a piece of work in 9 days and 15 days,respectively.If they work for a day alternately with A beginning,the work will be completed in *

1 point

- ( ) 10 days
- (◉) 11 days
- ( ) 9 days
- ( ) 12 days

23.G is twice as fast as S in doing work.If G can do a work in 30 days less than S,how any days will they take to complete the work together *

1 point

- ( ) 25
- (◉) 20
- ( ) 22
- ( ) 15

24.12 men finished 1/4th part of whole work in 6 days.Find the number of additional men required to complete the job in next 6 days *

1 point

- ( ) 36
- ( ) 12
- ( ) 18
- (◉) 24

25.30 persons can finish a job in 20 days.After 6 days how many persons should leave the job so that work is completed in a total of 26 days * 1 point

- ◉ 9
- ○ 12
- ○ 8
- ○ 7

Thankyou!!!

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