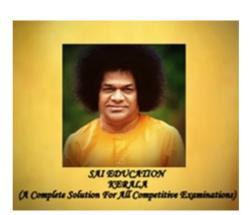# 108 DAYS ONLINE COACHING DAY(53) – 07/11/2019 THURSDAY

Work and Time

Name of the candidate *

M3 ▼

Place of the candidate *

Thiruvananthapuram ▼

WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) *

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Please watch the following videos and answer the following questions

https://youtu.be/t92q8JvObSk
https://youtu.be/e1jxv8TJDuE
https://youtu.be/YizAjqzgW34

1. 18 persons working for 8 days at 5 hours per days can cut 24 trees then 10 persons working 4 hours per day will cut how many trees in 9 days ? *   1 point

○ 10

○ 11

◉ 12

○ 14

2. 3 men or 4 women can reap a field in 43 days. Then in how many days will 7 men and 5 women working together reap it. *   1 point

○ 10

○ 11

◉ 12

○ 13

3.12 men can completer a 10 m length rod in8 days.In how many days will 16 men complete 8 m length rod *   1 point

○ 5/24

◉ 24/5

○ 2/45

○ 45/2

4.Acomplete a work in 20 days while Bcomplete in 30 days .C in 60 days .A work continously .Every third day a is assisted by B& cC.In how many days work is completed. *

1 point

◉ 15

○ 16

○ 17

○ 20

5. Pipes A and B can fill a tank in 5 and 6 hours respectively. Pipe C can empty it in 12 hours. If all the three pipes are opened together, then the tank will be filled in: *

1 point

○ 17/60

◉ 60/17

○ 6/17

○ 17/6

6. Two pipes can fill a tank in 20 and 24 minutes respectively and a waste pipe can empty 3 gallons per minute. All the three pipes working together can fill the tank in 15 minutes. The capacity of the tank is: *

1 point

○ 60 gallons

○ 100 gallons

◉ 120 gallons

○ 180 gallons

7. A tank is filled in 5 hours by three pipes A, B and C. The pipe C is twice as fast as B and B is twice as fast as A. How much time will pipe A alone take to fill the tank? *   1 point
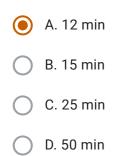
○ A. 20 hours

○ B. 25 hours

◉ C. 35 hours

○ D. Cannot be determined

○ E. None of these

8. Two pipes A and B together can fill a cistern in 4 hours. Had they been opened separately, then B would have taken 6 hours more than A to fill the cistern. How much time will be taken by A to fill the cistern separately? *   1 point

○ A. 1 hour

○ B. 2 hours

◉ C. 6 hours

○ D. 8 hours

9. Two pipes A and B can fill a tank in 20 and 30 minutes respectively. If both the pipes are used together, then how long will it take to fill the tank? *   1 point

◉ A. 12 min

○ B. 15 min

○ C. 25 min

○ D. 50 min

10. Two pipes A and B can fill a tank in 15 minutes and 20 minutes respectively. Both the pipes are opened together but after 4 minutes, pipe A is turned off. What is the total time required to fill the tank? * 1 point

○ A. 10 min. 20 sec.

○ B. 11 min. 45 sec.

○ C. 12 min. 30 sec.

◉ D. 14 min. 40 sec.

11. One pipe can fill a tank three times as fast as another pipe. If together the two pipes can fill the tank in 36 minutes, then the slower pipe alone will be able to fill the tank in: * 1 point

○ A. 81 min.

○ B. 108 min.

◉ C. 144 min.

○ D. 192 min.

12. A large tanker can be filled by two pipes A and B in 60 minutes and 40 minutes respectively. How many minutes will it take to fill the tanker from empty state if B is used for half the time and A and B fill it together for the other half? * 1 point

○ A. 15 min

○ B. 20 min

○ C. 27.5 min

◉ D. 30 min

13. A, B and C can do a piece of work in 7 days, 14 days and 28 days respectively. How long will they taken, if all the three work together? *   1 point

○ A. 3 days

◉ B. 4 days

○ C. 5 days

○ D. 6 days

14. After working for 6 days, Ashok finds that only 1/3 rd of the work has been done. He employs Ravi who is 60% as efficient as Ashok. How many days more would Ravi take to complete the work?   1 point

○ A. 19 days

○ B. 10 days

◉ C. 20 days

○ D. 12 days

15. A is twice as good a work man as B and together they finish the work in 14 days. In how many days A alone can finish the work? *   1 point

○ A. 20

◉ B. 21

○ C. 22

○ D. 23

16. A, B and C can do a work in 6, 8 and 12 days respectively doing the work together and get a payment of   1 point
Rs.1800. What is B's share? *

🔘 A. Rs.600

⚪ B. Rs.450

⚪ C. Rs.300

⚪ D. Rs.500

17. If A, B and C together can finish a piece of work in 4 days. A alone in 12 days and B in 18 days, then C   1 point
alone can do it in? *

⚪ A. 21 days

⚪ B. 15 days

⚪ C. 12 days

🔘 D. 9 days

18. 5 men and 12 boys finish a piece of work in 4 days, 7 men and 6 boys do it in 5 days. The ratio between   1 point
the efficiencies of a man and boy is? *

⚪ A. 1:2

⚪ B. 2:1

⚪ C. 2:3

🔘 D. 6:5

19. 9 men and 12 boys finish a job in 12 days, 12 men and 12 boys finish it in 10 days. 10 men and 10 boys shall finish it in how many days? *   1 point

○ 8

○ 10

◉ 12

○ 24

20. If 12 men do a work in 80 days, in how many days will 16 men do it? *   1 point

○ 30

○ 40

○ 50

◉ 60

21. A and B can finish a work in 16 days while A alone can do the same work in 24 days. In how many days B alone will complete the work? *   1 point

○ 56

◉ 48

○ 36

○ 58

22. A can do a piece of work in 10 days and B can do it in 15 days and C can do it 20 days. They started the work together and A leaves after 2 days and B leaves after 4 days from the beginning. How long will work lost? *   1 point

○ A. 8 2/3 days

○ B. 9 2/3 days

◉ C. 10 2/3 days

○ D. 10 days

23. A can do a piece of work in 10 days. He works at it for 4 days and then B finishes it in 9 days. In how many days can A and B together finish the work? *   1 point

◉ A. 6 days

○ B. 8 days

○ C. 8 ½ days

○ D. 7 ½ days

24. A work which could be finished in 9 days was finished 3 days earlier after 10 more men joined. The number of men employed was? *   1 point

○ 22

○ 18

○ 24

◉ 20

25. If 3 men or 4 women can construct a wall in 43 days, then the number of days that 7 men and 5 women   1 point
take to construct it is? *

◉ 12

○ 18

○ 24

○ 30

Thankyou!!!

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