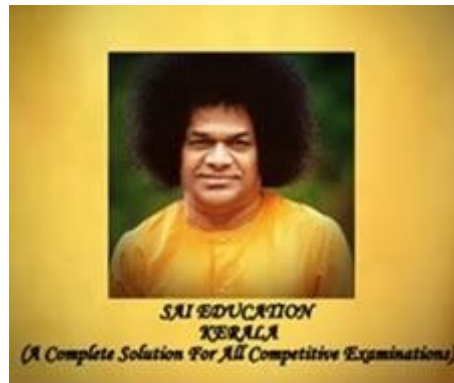# 108 DAYS ONLINE COACHING FOR MISSION 2020,DAY(52), 30/09/2020, WEDNESDAY

TIME & WORK,PIPE CISTERN

NAME OF THE CANDIDATE *

M2

PLACE OF THE CANDIDATE *

Kannur

WHAT'S APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) *

555

QUESTIONS

1.3 taps A,B& C can fill an overhead tank in 4,6 & 12 hours respectively.Howlong would 3 pipe take to fill the tank, if all the pipes are opened together? *   1 point

○ 1 hrs

◉ 2 hrs

○ 3 hrs

○ 4 hrs

2.2 pipes A& B can fill a cistern in 3 hours and 5 hours respectively.Pipe C can empty in 2 hours.If all the 3 pipes are opened,in how many hour cistern will be filled? *   1 point

○ 69 hrs

○ 50hrs

○ 40 hrs

◉ 30 hrs

3.A water tank can be filled by a tap in 30 minutes and another tap can fill it in 60   1 point
minutes.If both taps kept open for 5 minutes and then the first tap is closed,howlong
will it take for the tank to be fill? *

- ○ 43 minutes
- ○ 32minutes
- ○ 35 minutes
- ● 45 minutes

4.2 pipes A & B can fill a tank in 36 minutes and ,45 minutes , another pipe C can   1 point
empty the tank in 30 minutes.First A & B are opened,after 7 minutes C is also
opened.The tank is filled up in ? *

- ○ 39 minutes
- ○ 3 minutes
- ○ 63 minutes
- ● 46 minutes

5.. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days,   1 point
then the fraction of the work that is left is : *

- ○ 1/4
- ○ 1/10
- ○ 7/15
- ● 8/15

6. A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With help of C, they did the job in 4 days only. Then, C alone can do the job in: *

1 point

○ 9 1/5 days

○ 9 2/5 days

◉ 9 3/5 days

○ 10 days

7.. A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day? *

1 point

○ 12 days

◉ 15 days

○ 16 days

○ 13 days

8. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C? *

1 point

○ Rs.375

◉ Rs.400

○ Rs.600

○ Rs.800

9.Worker A takes 8 hours to do a job. Worker B takes 10 hours to do a job. How long   1 point
should it take both A and B, working together to do same job. *

○ 4/9

○ 2 4/9

○ 3 4/9

● 4 4/9

10. A and B can together complete a piece of work in 4 days. If A alone can complete   1 point
the same work in 12 days, in how many days can B alone complete that work ? *

○ 4

○ 5

● 6

○ 7

11.. A can finish a work in 18 days and B can do same work in half the time taken by A.   1 point
then working together, what part of same work they can finish in a day *

○ 1/5

● 1/6

○ 1/7

○ 1/8

12. A tyre has two punctures. The first puncture alone would have made the tyre flat in 1 point 9 minutes and the second alone would have done it in 6 minutes. If air leaks out at a constant rate, how long does it take both the punctures together to make it flat ? *

○ 3 1/5 min

○ 3 2/5 min

◉ 3 3/5 min

○ 3 4/5 min

13.A man can do a piece of work in 5 days, but with the help of his son he can do it in 3 1 point days. In what time can the son do it alone ? *

◉ 7 1/2 days

○ 6 1/2 days

○ 5 1/2days

○ 4 1/2 days

14. A can do a piece of work in 4 days. B can do it in 5 days. With the assistance of C 1 point they completed the work in 2 days. Find in how many days can C alone do it? *

○ 10 days

◉ 20 days

○ 5 days

○ 4 days

15. A can do a piece of work in 30 days. He works at it for 5 days and then B finishes it in 20 days. In what time can A and B together it? *   1 point

○ 16 2/3 days

● 13 1/3 days

○ 17 1/3 days

○ 16 1/2 days

16.. A and B can do a piece of work in 6 2/3 days and 5 days respectively. They work together for 2 days and then A leaves. In how many days after that B will complete the work alone. *   1 point

○ 2 days

● 1 1/2 days

○ 3 days

○ 3 1/2 days

17 .A,B and C can do a piece of work in 12,18 and 30 days respectively.If they do the same work together,at what ratio will they distribute their wages? *   1 point

○ 25:10:13

○ 15:9:7

○ 12:13:14

● 15:10:6

18. A can do 1/3 rd of a job in 5 days .B can do 2/5 th part of the same job in 10 days. Then A& B can together? * 1 point

○ 8 3/5 days

● 9 3/8 days

○ 5 3/7 days

○ 7 5/6 days

19. 2 men and 4 women can do a job in 28 days.Then 4 men 8 woman together can do the same job in? * 1 point

○ 6 days

● 7 days

○ 8 days

○ 9 days

20. 45 men can complete a work in 16 days.6 days after they started working 30 more men joined them.Howmany days will they now take to complete the remaining work? * 1 point

● 6 days

○ 8 days

○ 10 days

○ 12 days

21.12 men can complete a 10 mtr length road in 8 days.In how many days can 16 men complete 8 mtr length road? *   1 point

- ⦿ 4 4/5 days
- ◯ 3 4/5 days
- ◯ 7 3/4 days
- ◯ 2 3/7 days

22.A machine P can print one lakh book in 8 hours . Machine Q can print the same number of books in 10 hrs, while machine R can print them in 12 hours.All the machines are started at 9 am, while machine P is closed at 11 am and the remaining two machines complete the work approximately at what time will the work be finished? *   1 point

- ⦿ 1pm
- ◯ 2pm
- ◯ 3pm
- ◯ 4pm

23.If 20 men can build a wall 56 metres long in 6days.What length of a similar wall be built by 35 men in 3 days? *   1 point

- ◯ 36 metres
- ◯ 42 metres
- ⦿ 49 metres
- ◯ 38 metres

24.A and B working separately can do a piece of work in 9 and 12 days respectively. If they work a day alternately. A beginning, in how many days the work will be completed? *   1 point

○ 10

○ 8

○ 3 2/5

○ 5

25. To fill a cistern, pipes A, B and C take 20 minutes, 15 minutes and 12 minutes respectively. The time in minutes, that the three pipes together will take to fill the cistern, is....... *   1 point

⦿ 5

○ 4

○ 7

○ 6

THANK YOU

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