

108 Days Online Coaching Day (53)~11/03/2021, THURSDAY

TIME & WORK , PIPE AND CISTERN



NAME OF THE CANDIDATE *

M3

PLACE OF THE CANDIDATE *

KANNUR

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BEFORE SENDING THE ANSWERS

<https://youtu.be/e1jxv8TJDuE>
<https://youtu.be/t92q8JvObSk>
<https://youtu.be/DZvQIMj-ElI>

Q.1. A can do a piece of work in 4 hours; B and C together can do it in 3 hours, while A and C together can do it in 2 hours. How long will B alone take to do it? * 1 point

- 8 hours
- 10 hours
- 12 hours
- 24 hours

Q.2. A can finish a work in 18 days and B can do the same work in 15 days. B worked for 10 days and left the job. In how many days, A alone can finish the remaining work? * 1 point

- 5
- 6
- 7
- 8

Q.3. 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 10 women complete it? *

1 point

- 35
- 40
- 45
- 50

Q.4. A and B can together finish a work 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. In how many days A alone can finish the work? *

1 point

- 54
- 40
- 60
- 50

Q.5. 10 women can complete a work in 7 days and 10 children take 14 days to complete the work. How many days will 5 women and 10 children take to complete the work? *

1 point

- 3
- 5
- 9
- 7

Q.6. X and Y can do a piece of work in 20 days and 12 days respectively. X started the work alone and then after 4 days Y joined him till the completion of the work. How long did the work last? *

1 point

- 6
- 10
- 15
- 12

Q.7. A, B and C can complete a piece of work in 24, 6 and 12 days respectively. Working together, they will complete the same work in: *

1 point

- 1/24 day
- 7/24 day
- 3 3/7 day
- 4 day

Q.8. Sakshi can do a piece of work in 20 days. Tanya is 25% more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is: *

1 point

- 15
- 16
- 18
- 25

Q.9. A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work. The whole work was completed in : *

1 point

- 15
- 12
- 10
- 8

Q.10. A works twice as fast as B. If B can complete a work in 12 days independently, the number of days in which A and B can together finish the work in : *

1 point

- 4
- 6
- 12
- 8

Q.11. Twenty women can do a work in sixteen days. Sixteen men can complete the same work in fifteen days. What is the ratio between the capacity of a man and a woman? *

1 point

- 3 : 4
- 4 : 3
- 5 : 3
- none of these

Q.12. 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

- 1 $\frac{13}{17}$ hours
- 4 $\frac{1}{2}$ hours
- 3 $\frac{9}{17}$ hours
- 2 $\frac{8}{11}$ hours

Q.13. 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

- 4 hours
- 2 hours
- 6 hours
- 3 hours

Q.14. A tank is filled in 10 hours by three pipes A, B and C. 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

- 70 hours
- 60 hours
- 35 hours
- 30 hours

Q.15. One pipe can fill a tank four 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

- 180 min.
- 140 min.
- 120 min.
- 115 hours

Q.16. A tap can fill a tank in 4 hours. After half the tank is filled, three more similar taps are opened. What is the total time taken to fill the tank completely? *

1 point

- 1 hr 30 min
- 2 hr 30 min
- 2 hr
- 3 hr

Q.17. A cistern can be filled by a tap in 3 hours while it can be emptied by another tap in 8 hours. If both the taps are opened simultaneously, then after how much time will the cistern get filled? *

1 point

- 1.8 hr
- 3.2 hr
- 4.8 hr
- 2.4 hr

Q 18 . Two pipes A and B can separately fill a cistern in 40 minutes and 30 minutes respectively. There is a third pipe in the bottom of the cistern to empty it. If all the three pipes are simultaneously opened, then the cistern is full in 20 minutes. In how much time, the third pipe alone can empty the cistern? *

1 point

- 80 min
- 120 min
- 100 min
- 140 min

Q 19 . 13 buckets of water fill a tank when the capacity of each bucket is 51 litres. How many buckets will be needed to fill the same tank, if the capacity of each bucket is 17 litres? *

1 point

- 33
- 29
- 39
- 48

Q. 20 . 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
- 15
- 16
- 18

THANK YOU

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