TIME AND WORK-3 CSAT_QUESTIONS

1. **A and B take the responsibility of doing a work for Rs 5500. A alone can do that work in 5 days and B alone can do that work in 15 days. They complete the work in 3 days with the help of C. If everyone gets remunerated in proportion to the work done, then what amount will C get?**
   (A) ₹ 900 (B) ₹ 1000
   (C) ₹ 1100 (D) ₹ 1200

2. **Sanju, Ram and Anju can complete a work in 40, 48 and 60 days respectively. They get Rs 26880 for completing the work. They started the work together, but Ram left the work 2 days before the completion of the work and Anju left the work 5 days before the completion of the work. Sanju has completed the remaining work alone, then what is Sanju's share?**
   (A) ₹ 12416 (B) ₹ 12302
   (C) ₹ 12456 (D) ₹ 12096

3. **Pipe A can fill an empty tank in 12 hours while pipe B can fill it in 16 hours. If both the pipes are opened simultaneously and after 4 hours pipe B is closed, then in how much time will pipe A fill the remaining tank?**
   (A) 6 hours (B) 5 hours
   (C) $6\frac{2}{3}$ hours (D) $5\frac{1}{3}$ hours

4. **If 12 men working 9 hours a day earn Rs 7200 per week, then how much will 18 men earn per week working 7 hours a day?**
   (A) ₹ 8400 (B) ₹ 12800
   (C) ₹ 9400 (D) ₹ 9200

5. **2 men and 1 woman can do a piece of work in 14 days, while 4 women and 2 men can do the same work in 8 days. If a man gets Rs 1200 per day, then how much will a woman get per day?**
   (A) ₹ 600 (B) ₹ 800
   (C) ₹ 400 (D) ₹ 1600

6. **A and B can do a piece of work in 15 days and 10 days respectively. He took a contract to do a work for Rs 60000, then what will be the share of B out of the total amount?**
   (A) ₹ 36000 (B) ₹ 18000
   (C) ₹ 24000 (D) ₹ 40000

7. **Three pipes A, B and C can fill a tank in 6 hours. After working together for 2 hours, C is switched off and A and B fill the remaining part in 7 hours. In how many hours does pipe C alone fill the tank?**
   (A) 12 hours (B) 14 hours
   (C) 10 hours (D) 15 hours

8. **A man and a boy get Rs 36000 for working together for 5 days. The working efficiency of the man is twice that of the boy, then how much does the boy earn per day?**
   (A) ₹ 3600 (B) ₹ 1800
   (C) ₹ 2400 (D) ₹ 4800

9. **A laborer was employed for a few days for Rs 7500. But due to being absent for a few days, he was given only Rs 6900, so what was his maximum daily wage?**
   (A) ₹ 300 (B) ₹ 240
   (C) ₹ 200 (D) ₹ 400

10. **Three taps A, B and C can fill a cistern in 12, 15 and 20 hours respectively. If tap A remains open all the time and B and C are opened alternately for one hour each, then in how much time will the tank be filled?**
    (A) 6 hour (B) $6\frac{1}{2}$ hour
    (C) hour (D) $7\frac{1}{2}$ hour

11. **A, B and C finished a work for ₹ 7200. A worked for 8 days, B worked for 6 days and C worked for 12 days. If the ratio of their daily wages is 3 : 4 : 5, then how much will B get?**
    (A) ₹ 1600 (B) ₹ 1800
    (C) ₹ 2000 (D) ₹ 2400

12. **A, B and C take a contract to do a work for Rs 3250. A and B together do 11/13 division work. What should be the share of C?**
(A) ₹ 600 (B) ₹ 750
(C) ₹ 500 (D) ₹ 840

13. **A alone can do a piece of work in 10 days, B alone can do the same work in 12 days and C alone can do the same work in 15 days. If they complete the work together, they earn Rs. 1500. Find the difference of the share of B and C.**
(A) ₹ 100 (B) ₹ 200
(C) ₹ 250 (D) ₹ 400

14. **Two pipes A and B can fill a tank in 6 minutes and 12 minutes respectively while pipe C can empty the tank in 8 minutes. If all the three pipes are opened simultaneously and after 4 minutes pipe C is closed, then what will be the total time taken to fill the tank?**
(A) 6 minutes (B) 10 minutes
(C) 8 minutes (D) 12 minutes

15. **A pipe can fill a cistern in 4 hours but because of a hole in the tank, it fills the tank in 5 hours. If the tank is full, in how much time will that hole empty the tank?**
(A) 10 hour (B) 15 hour
(C) 20 hour (D) 12 hour

16. **Pipes A and B can fill a tank in 10 and 12 hours respectively. Pipe C can empty it in 24 hours. If all the three pipes are opened simultaneously, in how much time will the tank be filled?**
(A) $7\frac{1}{27}$ hour (B) 7.5 hour
(C) 6.5 hour (D) $7\frac{1}{17}$ hour

17. **A pipe can fill a tank in 12 hours and another pipe can empty the tank in 24 hours. If both the pipes are opened at the same time, then how much time is taken by both the pipes to fill the tank?**
(A) 8 hour (B) 24 hour
(C) 10 hour (D) 12 hour

18. **A tap takes an extra 36 hours to fill a tank because of a hole in the bottom of the tank, while the capacity of the hole is half that of the tap, then how much time will be taken by the tap to fill the tank?**
(A) 24 hour (B) 36 hour
(C) 32 hour (D) 18 hour

19. **A pipe can fill a tank in 3 hours. Since there is a hole in the tank, it takes 7/2 hours to fill it. In what time will the completely filled tank be empty due to the hole?**
(A) 24 hour (B) 22 hour
(C) 21 hour (D) 18 hour

20. **There are two pipes in a tank. The first pipe can fill the tank with water in 15 hours and the second pipe can empty it in 6 hours. If both the pipes are opened simultaneously, then in how much time will it take to empty the tank which is already 4/5 full of water?**
(A) 9 hour (B) 12 hour
(C) 11 hour (D) 8 hour

21. **Two pipes can fill a tank in 15 hours and 20 hours respectively and a third pipe can empty it in 30 hours. If all the three pipes are opened simultaneously, then in how much time will it take to fill the empty tank?**
(A) 9 hour (B) 12 hour
(C) 6 hour (D) 8 hour

22. **Two pipes can fill a tank with water in 15 and 12 hours respectively and a third pipe can empty the tank in 4 hours. If these pipes are opened at 13 hrs, 14 hrs and 16 hrs respectively, then at what time will the tank be emptied?**
(A) 18 : 40 am (B) 19 : 40 pm
(C) 21 : 40 pm (D) 16 : 40 pm