

## Time and Work Test

**Instruction:** In the following questions, select the correct choice among the alternatives given below the question.

- 1. A company has a job to prepare certain number cans and there are three machines A, B and C for this job. A can complete the job in 3 days, B can complete the job in 4 days and C can complete the job in 6 days. How many days the company will take to complete the job if all the machines are used simultaneously?**  
(a) 4 days                      (b)  $\frac{4}{3}$  days                      (c) 3 days                      (d) 12 days
- 2. A group of men decided to do a job in 8 days. But since 10 men dropped out every day, the job got completed at the end of the 12<sup>th</sup> day. How many men were there at the beginning?**  
(a) 165                              (b) 175                              (c) 80                              (d) 90
- 3. A and B can do a piece of work in 12 days, B and C can do it in 15 days, A and C can do it in 20 days. In how many days will A, B and C finish it, working all together and also find number of days taken by each to finish it working alone?**  
(a) 30, 20, 60                      (b) 40, 30, 25                      (c) 35, 15, 5                      (d) 25, 10, 5
- 4. A is twice as good a workman as B and together they finish a piece of work in 18 days. In how many days will A alone finish the work?**  
(a) 20 days                      (b) 25 days                      (c) 23 days                      (d) 27 days
- 5. 2 men and 3 boys can do a piece of work in 10 days while 3 men and 2 boys can do the same work in 8 days. In how many days can 2 men and 1 boy do the work?**  
(a)  $12\frac{2}{3}$  days                      (b) 24 days                      (c) 14 days                      (d)  $12\frac{1}{2}$  days
- 6. A can do a piece of work in 15 days and B alone can do it in 10 days. B works at it for 5 days and then leaves. A alone can finish the remaining work in :**  
(a)  $6\frac{1}{2}$  days                      (b)  $7\frac{1}{2}$  days                      (c) 8 days                      (d) 9 days
- 7. A and B can do a piece of work in 72 days; B and C can do it in 120 days; A and C can do it in 90 days. In what time A alone do it?**

- (a) 150 days      (b) 120 days      (c) 100 day      (d) 80 days
8. A can do a piece of work in 80 days. He works at it for 10 days and then B alone finishes the remaining work in 42 days. The two together could complete the work in :
- (a) 24 days      (b) 25 days      (c) 30 days      (d) 35 days
9. A and B can do a piece of work in 5 days; B and C can do it in 7 days; A and C can do it in 4 days. Who among these will take the least time if put to do it alone?
- (a) A      (b) B      (c) C      (d) data inadequate
10. A can do  $\frac{1}{3}$  of the work in 5 days and B can do  $\frac{2}{5}$  of the work in 10 days. In how many days both A and B can do the work?
- (a)  $7\frac{3}{4}$       (b)  $8\frac{4}{5}$       (c)  $9\frac{3}{8}$       (d) 10
11. X takes 4 days to complete one-third of a job. Y takes 3 days to complete one-sixth of the same work and Z takes 5 days to complete half the job. If all of them work together for 3 days and X and Z quit, how long will it take for Y to complete the remaining work done?
- (a) 6 days      (b) 8.1 days      (c) 5.1 days      (d) 7 days
12. The time taken by 4 men to complete a job is double the man is twice as fast as a woman. How long will 12 men, 10 children and 8 women take to complete a job, given that a child would finish the job in 20 days?
- (a) 2 days      (b)  $2\frac{1}{8}$  days      (c) 4 days      (d) none of these
13. A does a work in 6 days, B in 8 days, and C in 10 days. A worked alone for 2 days before leaving and then B and C worked together for 2 days and after that B left. The remaining work was finished by C alone. How long did it take to finish the work?
- (a)  $6\frac{1}{6}$  days      (b)  $2\frac{1}{6}$  days      (c)  $7\frac{1}{6}$  days      (d) none of these
14. Two men A and B, started a job in which A was thrice as good as B and therefore took 60 days less than B to finish the job. How many days will they take to finish the job, if they start working together?
- (a) 20 days      (b)  $22\frac{1}{2}$  days      (c) 25 days      (d) 30 days
15. A group of labourers promise to do a work in 12 days, but 5 of them do not turn up. If rest of the group does the work in 18 days, find the original number of men.

- (a) 15                      (b) 25                      (c) 35                      (d) none of these
- 16. The work done by a man, a woman and a child are in the ratio 3: 2: 1. If daily wages of 20 men, 30 women and 36 children amount to Rs. 78. What will be the wages of 15 men, 21 women and 30 children for 18 weeks?**
- (a) Rs. 7371              (b) Rs. 8645              (c) Rs. 9000              (d) none of these
- 17. Three men earn as much as 4 women, 4 women earn as much as 6 boys and 8 boys earn as much as 10 girls. If a girl earns Rs. 50 a day, then the earning of a man would be:**
- (a) Rs. 115              (b) Rs. 135              (c) Rs. 125              (d) Rs. 150
- 18. 20 men can do a job in 20 days. After each day, a woman is replaced by a man and a man is twice as efficient as a woman. On which day does the job get completed?**
- (a) 14<sup>th</sup> day              (b) 15<sup>th</sup> day              (c) 16<sup>th</sup> day              (d) 11<sup>th</sup> day
- 19. 20 men take 10 days to complete a job working at the rate of 5 hours per day. How much time would 15 men who work for 8 hours per day. How much time would 15 men, who work for 8 hours per day, take to complete the same job?**
- (a)  $\frac{25}{3}$  days              (b) 10 days              (c)  $12\frac{3}{4}$  days              (d) none of these
- 20. A and B can do a job in 10 days. B and C can do the same job in 15 days. If all three together can do the work in 6 days, then in how many days can B complete the whole job?**
- (a) 10 days              (b) 12 days              (c) 18 days              (d) none of these

**Answers to the above questions**

Questions no.	Answers
1.	(b)
2.	(a)
3.	(a)
4.	(d)
5.	(d)
6.	(b)
7.	(b)

8.	(c)
9.	(a)
10.	(c)
11.	(c)
12.	(d)
13.	(a)
14.	(b)
15.	(a)
16.	(a)
17.	(c)
18.	(a)
19.	(a)
20.	(d)

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