(9) TIME & WORK <1>

1. P can do $\frac{2}{5}$ of the Work in 10 days and Q can do $\frac{4}{5}$ th of the Work in 16 days. If both of them start Working together; then the time in which the Work can be done?

(a) $12\frac{1}{9}$ days (b) $11\frac{1}{9}$ days (c) $11\frac{2}{9}$ days (d) $12\frac{4}{9}$ days

2. A does half as much Work as B does in one Sixth of the time. If together they take 20 days to Complete the Work; then What is the time taken by B to Complete the Work independently.

(a) 80 days (b) 100 days (c) 120 days (d) 140 days

3. A Contractor Undertakes to make a Wall in 60 days and he employs 30 men. After 30 days it is found that Only one-third of the Work is Completed. How many extra men should he employ, so that the Work is Completed on time?

(a) 20 men (b) 25 men (c) 30 men (d) 40 men

4. 50 men could Complete a Work in 200 days. They Worked together for 150 days; after that due to bad Weather the Work is stopped for 25 days. How many more Workers should be employed so as to Complete the Work in time?

(a) 25 (b) 35 (c) 50 (d) 60

5. P and Q were assigned to do a Work for an amount of ₹1200. P alone can do it 15 days While Q can do it in 12 days. With the help of R they finish the Work in 6 days. Find the Share of R.

(a) ₹100 (b) ₹120 (c) ₹140 (d) ₹160

(9) :- Time & Work :- (2)

6. A can do a work in 32 days. P who is 60% more efficient than A; then find how many days they will take together to do the same work?

(a) $\frac{150}{13}$ (b) $\frac{160}{13}$ (c) $\frac{170}{3}$ (d) $\frac{190}{3}$

7. P does half as much work as Q in three-fourth of the time. If they together take 24 days to complete the work; how much time shall P take to complete the work?

(a) 50 days (b) 60 days (c) 70 days (d) 80 days

8. X and Y can do a piece of work in 12 days and 15 days respectively. They began their work but before 3 days of its completion Y left. In how many days the work will be completed.

(a) 6 (b) 8 (c) 10 (d) 12

9. Neha takes 5 hours to type 40 pages and while Sunil takes 6 hours to type 60 pages. How much time will they take working together on different computer to type an assignment of 180 pages.

(a) 5 hr (b) 7 hr (c) 9 hr (d) 10 hr

10. P and Q together can complete a job in 90 days; Q and R takes 60 days to complete the same work and P and R will take 45 days to complete the same work. How much time will P, Q and R will take to complete the work together.

(a) 40 days (b) 42 days (c) 36 days (d) 44 days.

(9) :- TIME & WORK :- <3>

11. If 20 Women and 10 boys Can reap a field in 30 days; then in how many days 15 Women and 30 boys Will reap the field. It is given that Work done by 4 Women is equal to Work done by 3 boys.

(a) $\frac{210}{11}$ days (b) $\frac{200}{9}$ days (c) $\frac{200}{11}$ days (d) $\frac{210}{13}$ days

12. If P Can do a Work in 6 days and Q Can do the Same Work in 8 days. If R Who Can do the Same Work in 12 days; joins them; then the Work Will be Completed in how many days.

(a) $\frac{7}{3}$ days (b) $\frac{8}{3}$ days (c) $\frac{10}{3}$ days (d) $\frac{11}{3}$ days

13. If 4 boys or 5 Women Can reap a field in 20 days. Then What Will be the time taken by 6 boys and 8 Women to reap the field.

(a) $\frac{200}{33}$ days (b) $\frac{200}{31}$ days (c) $\frac{200}{39}$ days (d) $\frac{200}{37}$ days

14. 5 men and 10 boys Can do a piece of Work in 30 days and 8 men and 12 boys Can do the Work in 20 days; then the ratio of daily Work done by a man to that of boy.

(a) 5:1 (b) 6:1 (c) 7:3 (d) 4:5

15. A Certain number of men take 45 days to Complete a Work. If there are 10 men less; then they Will take 60 days to Complete the Work. Find the Original number of men.

(a) 30 (b) 40 (c) 50 (d) 60

16. Prakash is twice as fast as Sumit and therefore Prakash is able to finish the Work in 30 days less than Sumit. Find the time in which they can complete the Work both are Working together?
(a) 25 days (b) 20 days (c) 30 days (d) 35 day

17. X alone can do a piece of Work in 5 days. Y can do the same piece of Work in 4 days. X and Y are assigned to do the Work for ₹5000. They complete the Work in 2 days with the help of Z. How much is to be paid to Z?
(a) ₹750 (b) ₹620 (c) ₹700 (d) ₹500

18. 9 men and 12 Women can complete the job in 12 days. In how many days can 3 men and 4 Women finish the same job Working together?
(a) 36 days (b) 42 days (c) 30 days (d) 28 days

19. P takes 6 days less than Q to finish the Work individually. If P and Q Working together complete the Work in 4 days; then how many days are required by Q to complete the Work alone?
(a) 7 days (b) 10 days (c) 5 days (d) 12 days.

20. If X, Y and Z can complete a Work in 6 days. If X can Work twice faster than Y and thrice faster than Z; then the no of days Z alone can complete the Work is :-
(a) 22 days (b) 11 days (c) 33 days (d) 30 days.

(6) :- TIME & WORK :- <5>

21. If A can Complete a Work in 30 days; B Can do the same Work in 36 days; if after doing 5 days by A alone; then A leave the the Work. Find in howmany days B Will do the remaining Work?

(a) 22 day (b) 28 days (c) 30 days (d) 36 days

22. A and B alone Can do a piece of Work in 8 and 18 days respectively. In howmany days the Work Will be Completed if they both Work on an alternate days Starting With B?

(a) $6\frac{5}{9}$ (b) $11\frac{1}{3}$ days (c) $10\frac{7}{9}$ days (d) $6\frac{2}{9}$ days

23. A, B and C can alone Complete a Work in 10, 12 and 15 day respectively. A and C started the Work and after Working for 4 days; A left and B joined. In howmany days the total Work Was Completed?

(a) $6\frac{5}{9}$ (b) $6\frac{2}{9}$ (c) 6 (d) $5\frac{4}{9}$

24. A, B and C Can Complete a Work in 10, 12 and 15 days respectively. All started the Work but B left the Work 3 days before Completion. Howmuch Work Was then done by A and B together in the total Work?

(a) $\frac{2}{3}$ (b) $\frac{3}{4}$ (c) $\frac{1}{3}$ (d) $\frac{3}{5}$

25. A alone Can Complete a Work in 5 days more than A and B together and B alone can Complete a Work in 125 days more than A and B together. Then howmany days A and B together Can Complete the Work?

(a) 21 (b) 15 (c) 20 (d) 25