APTITUDE QUIZ

Q1. There are three taps A, B and C in a tank. They can fill the tank in 10 h, 15 h and 25 h respectively. At first, all of them are opened simultaneously. After 3 hours, tap B is closed and A and C are kept running. After one and half hour tap C is also closed. The remaining tank is filled by tap A alone. Find the percentage of the tank filled by tap A itself.

(a) 55%

(b) 62%

(c) 75%

(d) 72%

(e) 70%

Q2. P and Q completed a work together in 5 days. Had P worked at twice rate of itself and Q at half rate of itself they would take 4 days to complete the work. How much time would P take to do the whole work alone?

(a) 10 days

(b) 20 days

(c) 25 days

(d) 15 days

(e) 24 days

Q3. X, Y and Z can do some work in 36 days. X and Y together can do twice as much work as Z alone and X and Z together can do

thrice as much work as Y alone can do in one day. Find the time taken by Z to do the same work alone.

(a) 80 days

(b) 72 days

(c) 108 days

(d) 96 days

(e) 120 days

Q4. Manoj can do ⅛rd of a work in 8 days while Vijay can do ⅜rd of the same work in 5 days. Manoj and Vijay started the work together and on every second day, they are assisted by Anjay whose efficiency is 3/4th of Vijay. Find the time taken by all of them to complete the work.

(a) 32/7 days

(b) 11/2 days

(c) 36/7 days

(d) 9/2 days

(e) 5 days

Q5. Twenty workers can finish a piece of work in 35 days. After how many days should 4 workers leave the job so that the work is completed in 40 days?

(a) 12 days

(b) 10 days

(c) 20 days

(d) 25 days

(e) 15 days

Q6. Two pipes can fill a tank in 16 and 14 hours respectively. Both pipes are opened simultaneously but it is found that due to leakage in the bottom of the tank it takes 32 minutes extra for the tank to be filled. Find the time in which tank can be emptied if it is full and both pipes are closed.

(a) 114 h

(b) 90 h

(c) 100 h

(d) 112 h

(e) 105 h

Q7. There is sufficient food for certain number of persons for some days. After 15 days, 2/7th of the persons left the place and the rest of the food will last for the same number of days that are in the starting. Find the number of days that were in the starting.

(a) 21 days

(b) 20 days

(c) 15 days

(d) 14 days

(e) 28 days

Q8. If 9 men and 12 boys can do a piece of work in 6 days and 10 men and 9 boys can do it in 7.5 days, find the ratio of efficiency of a man to a boy.

(a) 1 : 3

(b) 12 : 11

(c) 2 : 3

(d) 3 : 14

(e) 4 : 17

Q9. A and B working together can do a work in 9 days while B and C working together can do the same work in 12 days. If A works for 4 days and B works for 6 days then the remaining work is completed by C in 9 days then find in how many days C will complete the whole work working individually.

(a) 16 days

(b) 12 days

(c) 10 days

(d) 20 days

(e) 18 days

Q10. P and R working together can finish a work in 10 days. If P works for 4 days then remaining work is completed in 15 days by R. Q is 2/3rd as efficient as R. Find the time taken by Q and R to do the same work if they are working together.

(a) 10 days

(b) 11 days

(c) 19/2 days

(d) 12 days

(e) 15 days

Q11. X and Y working together can do a work in 6 minutes. If X alone works for 4 minutes and Y alone works for 6 minutes they would be left with 1/5th of the whole work. In how much time, the slower will finish the work working alone?

(a) 10 minutes

(b) 12 minutes

(c) 15 minutes

(d) 16 minutes

(e) 20 minutes

Q12. A, B and C can alone complete a work in 12, 15 and 18 days respectively. They started working together to do the same work and get Rs. 3700 as wages on the completion of work. Find the share of C.

(a) Rs. 1000

(b) Rs. 1200

(c) Rs. 1500

(d) Rs. 800

(e) Rs. 1150

Q13. Five men can do a piece of work in 6 days while 3 women can complete the same work in 16 days. Find the time taken by one men, 2 women and 2 children to complete the same work working together, if the child is 3/5th as efficient as women.

(a) 12 days

(b) 15 days

(c) 24 days

(d) 8 days

(e) 10 days

Q14. A contractor agreed to construct a road of 30 km in 50 days. For that he employed 32 men. But after 25 days, only 12 km of road was constructed. How many more men should he hire so that the work can be completed on time.

(a) 10

(b) 15

(c) 12

(d) 16

(e) 20

Q15. There are four friends A, B, C and D. A, B and C can do a work in 12 hours. While B, C and D can do the same work in 15 hours. A and D can do that work in 18 hours. How much time they will take to complete the work by working together.

(a) 12 ½ h

(b) 15 h

(c) 13 ⅓ h

(d) 10 ⅕ h

(e) 12 h

ANSWERS

1. B

2. A

3. C

4. A

5. E

6. D

7. A

8. D

9. E

10. B

11. C

12. A

13. E

14. D

15. C