

## APTITUDE QUIZ

**D.1-10) Study the following and answer the questions:**

**Q.1) Ashok can do some work in 10 days, Mohan in 20 days and Vijay can do it in 25 days. They start working in turns with Ashok starting to work on the first day, Mohan on second day and Vijay on the third day and so on. They work in the way for 12 days. After this, Vijay is replaced by Sohan who can complete the work in 20 days by himself. Find the time taken to complete 96% of the work.**

- a) 18 days
- b) 15 days
- c) 12 days
- d) 20 days
- e) None of these

**Q.2) 24 workers can build a wall in 10 days by working 8 hours a day. They started the work but after 4 days 8 workers left. How many hours a day should the remaining workers work to complete it on time?**

- a) 14 hours
- b) 13 hours
- c) 15 hours
- d) 12 hours
- e) None of these

**Q.3) 16 men is supposed to do a work in 54 days. After 30 days 4 more men is employed and the work is completed in 4 days before the scheduled time. How many days it have been delayed if 4 more men were not employed?**

- a) 1 day
- b) 2 day
- c) 3 day
- d) 4 day
- e) None of these

**Q.4) one pipe can empty a tank 5 times as fast as another pipe. If both the pipes together can empty the tank in 18 minutes, then the slower pipe alone will empty the tank in how many minutes?**

- a) 102 minutes
- b) 114 minutes
- c) 126 minutes
- d) 132 minutes
- e) None of these

**Q.5) X and Y can complete a task in 20 days, when working together. After X and Y have been working together for 10 days, Y is called away and X, all by himself completes the task in the next 15 days. Had X been working alone, the number of days taken by him to complete the task would have been**

- a) 40 days
- b) 60 days
- c) 30 days
- d) 32 days
- e) None of these

**Q.6) Two pipes A and B can fill a cistern in 10 hours and 15 hours respectively. C tap can empty the full cistern in 20 hours. All the three taps were open for 3 hours, When it was remembered that the emptying tap had been left open. It was then closed. How many hours more would it take for the cistern to be filled?**

- a) 4 hours 24 minutes
- b) 3 hours 48 minutes
- c) 3 hours 53 minutes
- d) 3 hours 54 minutes
- e) None of these

**Q.7) A and B can do a piece of work in 45 days and 40 days respectively. They began to do the work together but A left after some days and then B completed the remaining part of the work in 23 days. The number of days after worker A left the work was?**

- a) 9 days

- b) 10 days
- c) 11 days
- d) 12 days
- e) None of these

**Q.8) There are 7 people in an organisation comprise of 2 boys and 5 men, each boys works at one-third the rate of each men. What is the ratio of time taken when all the 7 people are working together to the time taken when only 5 men are working together?**

- a) 15 : 19
- b) 17 : 19
- c) 15 : 17
- d) 17 : 21
- e) None of these

**Q.9) Three pipes A, B and C can fill a certain cistern in 20, 24 and 30 minutes respectively. While another pipe D empties it at rate of 3.2 gallons/minute. If the cistern gets filled completely in 10 minutes when all pipes are opened together, then find cistern's capacity (in gallons)?**

- a) 134 gallons
- b) 128 gallons
- c) 124 gallons
- d) 120 gallons
- e) None of these

**Q.10) Raghav started a work and left it after 7 days. The remaining work is completed by Shree. So, the work gets completed in 18 days. Shree can alone finish the work in 14 days. Find the number of days in which Raghav can alone finish the work?**

- a) 24  $\frac{1}{2}$  days
- b) 32  $\frac{1}{2}$  days
- c) 22  $\frac{1}{2}$  days
- d) 26  $\frac{1}{2}$  days
- e) None of these

## ANSWER

**1.b**

**2.d**

**3.a**

**4.e**

**5.c**

**6.d**

**7.a**

**8.c**

**9.b**

**10.a**