

## **APTITUDE QUIZ**

**1. Arun can do a piece of work in 40 days, but Bala can do the same work in 5 days less, than Arun, when working alone. Arun and Bala both started the work together but Bala left after some days and Arun finished the remaining work in 30 days with half of his efficiency but he did the work with Bala with his complete efficiency. For how many days they had worked together?**

- A.  $25/3$  days
- B.  $31/3$  days
- C.  $35/3$  days
- D.  $38/3$  days
- E. None of these

**2. Kiran can do a work in 20 days, while Karan can do the same work in 25 days. They started the work jointly. Few days later Suman also joined them and thus all of them completed the whole work in 10 days. All of them were paid total Rs.1000. What is the share of Suman?**

- A. 200
- B. 400
- C. 100
- D. 300
- E. 500

**3. 7 Indian and 4 American finish a job in 6 days. 7 African and 3 American finish the same job in 8 days. The efficiency of each person of a particular nationality is same but different from others. One Indian One American and One African will complete the work in:**

- A. 10 days
- B. 12 days
- C. 24 days
- D. 36 days
- E. None of these

**4. Chitra is twice efficient as Arun. Bala takes thrice as many days as Chitra. Arun takes 12 days to finish the work alone. If they work in pairs(i.e Arun-Bala, Bala-Chitra, Chitra-Arun) starting with Arun – Bala on the first day, Bala – Chitra on the second day and Chitra – Arun on the third day and so on, then how many days are required to finish the work?**

- A.  $26/9$  days
- B.  $46/9$  days
- C.  $16/9$  days
- D.  $56/9$  days
- E. None of these

**5. A work is done by 30 workers not all of them have the same capacity to work. Every day exactly 2 workers, do the work with no pair of workers working together twice. Even after all possible pairs have worked once, all the workers together works for six more days to finish the work. Find the number of days in which all the workers together will finish the work?**

- A. 22 days
- B. 20 days
- C. 24 days
- D. 35 days
- E. 32 days

**6. Arun can do a piece of work in 10 days, Bala in 15 days. They work together for 5 days, the rest of the work is finished by Chitra in two more days. If they get Rs. 5000 as wages for the whole work, what are the daily wages of Arun, Bala and Chitra respectively (in Rs)?**

- A. 600, 400, 500
- B. 200, 300, 400
- C. 500, 300, 400
- D. 600, 500, 300
- E. 400, 300, 200

**7. A Contractor employed a certain number of workers to finish constructing a building in a certain scheduled time. Some time later, when a part of work had been completed, he realized that the work would get delayed by half of the scheduled time, so he at once doubled the no of workers and thus he managed to finish the building on the scheduled time. How much work he had been completed, before increasing the number of workers?**

- A.  $200/3$  %
- B.  $100/3$  %
- C.  $300/3$  %
- D. Can't be determined
- E. None of these

**8.  $(x-2)$  person can do a work in  $x$  days and  $(x+7)$  person can do 75% of the same work in  $(x-10)$ days. Then in how many days can  $(x+10)$  person finish the work?**

- A. 27 days
- B. 12 days
- C. 25 days
- D. 18 days
- E. None of these

**9. The ratio of efficiency of Arun is to Chitra is 5:3. The ratio of number of days taken by Bala is to Chitra is 2:3. Arun takes 6 days less than Chitra, when Arun and Chitra complete the work individually. Bala and Chitra started the work and left after 2 days. The number of days taken by Arun to finish the remaining work is?**

- A. 4 days
- B. 5 days
- C. 6 days
- D. 9 days
- E. None of these

**10. Arun is twice efficient as Bala and together they do the same work in as much time as Chitra and David together. If Chitra and David can complete the work in 20 and 30 days respectively, working alone, then in how many days A can complete the work individually?**

- A. 12 days
- B. 18 days
- C. 24 days
- D. 30 days
- E. None of these

**11. A piece of work has to be completed in 50 days, a number of men are employed but it is found that only half of the work is done in 30 days, then an additional 20 men were joined to complete the work on time. How many men initially put to work?**

- a) 30
- b) 35
- c) 40
- d) 45
- e) None of these

**12. P does half as much work as Q in three-fourth of the time. If together they take 36 days to complete the work, then the time taken by Q alone to do the work.**

- a) 50
- b) 55
- c) 60
- d) 65
- e) None of these

**13. 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)  $210/11$  days
- b)  $200/9$  days
- c)  $200/11$  days
- d)  $210/13$  days

e) None of these

**14. 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)  $7/3$  days

b)  $8/3$  days

c)  $10/3$  days

d)  $11/3$  days

e) None of these

**15. A, B and C are three friends that take 20 days to finish a work. The time taken by B is twice the time taken by A and C together and time taken by C to do the work is thrice the time taken by A and B together. How much time will be taken by A alone to do the work.**

a) 42 days

b) 44 days

c) 46 days

d) 48 days

e) None of these

**16. 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)  $200/33$  days

b)  $200/31$  days

c)  $200/35$  days

- d) 200/37 days
- e) None of these

**17. 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
- e) None of these

**18. 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
- e) None of these

**19. 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 when both are working together?**

- a) 25 days
- b) 20 days



- c) 30 days
- d) 35 days
- e) None of these

**20. 4 women and 5 men working together can do 3 times the work done by 2 women and one man together. Calculate the work of a man to that of woman.**

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

**ANSWERS**

- 1. C
- 2. C
- 3. C
- 4. B
- 5. D
- 6. A
- 7. B
- 8. B
- 9. C

- 10. B
- 11. C
- 12. C
- 13. C
- 14. B
- 15. D
- 16. B
- 17. B
- 18. B
- 19. B
- 20. C

