

SRI KRISHNA COLLEGE OF ENGINEERING & TECHNOLOGY

Coimbatore – 641 008

Maximum Time : 60 Minutes

Maximum Marks: 45

Test No : 102 (Time & Work, Ages & English)

1. A can do a piece of work in 25 days and B can do a piece of work in 20 days. They started work together but after some days A leave off B alone do the remaining work in 10 days. Find after how many days A left?
A) $6 \frac{2}{3}$ B) $6 \frac{1}{3}$ C) 6 D) $5 \frac{2}{3}$
2. A in 10 days & B in 15 days. A start working alone and after 5 days B also joins him. In how many days will they now take together to complete the remaining work.?
A) 3 B) 4 C) 2 D) 5
3. A can do a piece of work in 15 days and B can do a piece of work in 25 days. Both starts work together but B leaves the job 7 days before the completion of work. Find the work last for how many days.
A) 12 B) 10 C) 15 D) 8
4. A can do a piece of work in 12 days. A did the work for 2 days only and B did the remaining work in 5 days. In how many days B alone can do the work .
A) 5 B) 6 C) 4 D) 3
5. If 3 men or 5 women can complete a work in 43 days. In how many days 5 men and 6 women take to complete the work. ?
A) 15 B) 25 C) 18 D) 12
6. If 12 men 16 boys can do a piece of work in 5 days and 13 men and 24 boys take 4 days. In how many days will 7 men and 10 boys working together could to complete the same work. ?
A) 8 B) $8 \frac{1}{3}$ C) $8 \frac{1}{2}$ D) $9 \frac{1}{2}$
7. A can do a piece of work in 3 days and B can do a same work in 4 days, C takes as long as A & B would take working together. How long will it take B and C to complete the work together ?
A) $\frac{5}{6}$ B) $\frac{6}{5}$ C) $\frac{4}{3}$ D) $\frac{3}{4}$

8. A in 16 days and B in 32 days and C in 48 days . They work start together but C leaves after 4 days and B left 2 days before completion of work. The work last for how many days. ?

A) 5 B) 8 C) 10 D) 12

9. A do a piece of work in 9 days and B can do a work in 12 days. They work for a day alternatively start with A. The work last for how many days. ?

A) $10 \frac{1}{4}$ B) $10 \frac{1}{2}$ C) $10 \frac{1}{3}$ D) 10

10. 1 Men or 2 women or 3 boys can do a piece of work in 44 days then in how many days will 1 men 1 women and 1 boy do the work ?

A) 20 B) 24 C) 26 D) 25

11. Two pipes A and B can fill a tank in 12 hours and 16 hours respectively. If both are opened at a together,after how much time pipes B should be closed so that the tank in 9 hours?

A)8 B)6 C)4 D)10

12. Three pipes A,B,C can fill a tank in 12 hours.After working together for 4 hours is closed and A & B take 16 hours to fill the tank.Find pipe C alone can fill it in how long?

A)12 B)16 C)20 D)24

13. Pipes A can fill a tank in 10 hours, Pipes B can fill a tank in 15 hours, Pipes C can empty a tank in 5 hours. The first two pipes are kept open for 4 hours in the beginning and then the third pipe is also open at what time tank is emptied?

A)25 B)20 C)24 D)28

14. Pipe A take 10 hours to fill a tank,Pipe B take 15 hours to fill a tank.Two pipes are open together and it is found then due to leakage in the bottom 2 hours extra are taken for the tank to be filled up. If the tank is fill in how much time would the leak take to empty the tank?

A)20 B)21 C)24 D)48

15. Pipe A take 25 hours to fill a tank, Pipe B take 40 hours to fill a tank, Pipe C take 30 hours to empty the tank. If all the three pipes are open together how long will the tank be completely fill up or emptied?

- A) $3 \frac{2}{13}$ B) $15 \frac{5}{13}$ C) $8 \frac{2}{13}$ D) $3 \frac{11}{19}$

16. Pipe A take 12 hours to fill a tank, Pipe B take 14 hours to fill a tank, Pipe C take 8 hours to empty the tank. if all the taps be opened at the same time what part of the cistern will remain unfilled at the end of 7 hours?

- A) $\frac{5}{24}$ B) $\frac{19}{24}$ C) $\frac{7}{24}$ D) $\frac{17}{24}$

17. A cistern has two taps which fill it in 24 minutes and 30 minutes respectively. There is also a waste pipe in the cistern. When all the three are opened, the empty cistern is full in 40 minutes. How long will the waste pipe take to empty the full cistern?

- A. 10 min B. 20 min C. 30 min D. 35 min

18. The average age of 34 boys in a class is 14 years. if a teachers age is included, the average age becomes 15 years. Find the teachers age?

- A) 48 B) 46 C) 49 D) 45

19. The ratio of the age of father and son at present is 3:1 , 4 years earlier the ratio was 4:1 what is the sum of the present age of the son and father?

- A) 40 B) 48 C) 46 D) 50

20. The ratio of the age of the father and son at present is 6:1. After 5 years the ratio will become 7:2. What is the present age of father?

- A) 30 B) 35 C) 40 D) 25

21. The sum of the ages of the father and son at present is 63 years, 4 years ago the father was 4 times the age of his son. What Is the present age of father?

- A) 48 B) 44 C) 40 D) 52

22. The father is twice as old as his son. 20 years ago, the age of father was 12 times the age of the son. What is the present age of the son?

- A) 20 B) 25 C) 22 D) 26

23. The ratio of the ages of father and son at present is 5:1 after 3 years the ratio will be 4:1 .
so what is the sum of the ages of father and son. ?

A)50 B)54 C)56 D)58

24. The average age of A, B and C 5 years ago was 20 years. Now the average age of A , B, C, and D at present is 22 years. So what is the age of D. ?

A)13 B)15 C)28 D)30

25. The average age of A B C and D 5 yrs ago was 20 yrs..Now the average age of A, B , C , D and E was 25 yrs. What is the age of E.?

A) 20 B) 22 C) 25 D) 28

ENGLISH

Directions (Q.26-35): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate words.

It's really 76 that major political parties have 77 advertisements which attack prominent political personalities. This is 78. These politicians are so-called 79 of democracy and are 80 to be role models for the citizens of this country. Therefore it's high time they understood the 81 of a 82 election 83 and showed a little bit of maturity, so that 84 of their winning or losing, people can look up to them with respect, for the kind of ideologies they 85.

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|-----|----------------|-----------------|------------------|
| 26 | 1) Surprising | 2) usual | 3) challenging |
| | 4) discernible | 5) striking | |
| 27. | 1) favoured | 2) created | 3) issued |
| | 4) raised | 5) directed | |
| 28. | 1) childish | 2) secular | 3) ashamed |
| | 4) disgraceful | 5) bias | |
| 29. | 1) future | 2) upholders | 3) stars |
| | 4) performers | 5) builders | |
| 30. | 1) tasked | 2) authorized | 3) paid |
| | 4) represented | 5) expected | |
| 31. | 1) merit | 2) core | 3) result |
| | 4) value | 5) response | |
| 32. | 1) dignified | 2) drastic | 3) participatory |
| | 4) friendly | 5) subjective | |
| 33. | 1) trial | 2) battle | 3) campaign |
| | 4) mandate | 5) operation | |
| 34. | 1) beyond | 2) irrespective | 3) unless |
| | 4) ahead | 5) away | |
| 35. | 1) preach | 2) believe | 3) adhere |
| | 4) impart | 5) pursue | |

Directions (Q.36-45): In each of the following sentences there are two blank spaces. Below each sentence there are five pairs of words denoted by numbers 1), 2), 3), 4) and 5). Find out which pair of words can be filled up in the blanks in the sentence in the same sequence to make it meaningfully complete.

36. The selection of the Indian cricket team has always been _____ by different _____ for different players.
 1) looked, corner 2) judged, need 3) marked, yardsticks
 4) planned, opinions 5) talked, platform
37. Like meditation, music, too, has a _____ on our mind and soul.
 1) soothing, sanctity 2) enchanting, sound 3) healing, value
 4) sonorous, melody 5) tranquilising, effect
38. The _____ of India is that democracy is our institutional _____, even though we are not of democratic temperament.
 1) miracle, strength 2) strangeness, focus 3) identity, urge
 4) policy, condition 5) greatness, scapegoat
39. For most Indians, anyone who _____ this country as his or her motherland is _____ to hold any post.
 1) serves, honoured 2) recognizes, forward 3) addresses, above
 4) regards, eligible 5) supports, guaranteed
40. Unless the investigation and prosecution of crimes are made _____ of the state, trials would run the risk of being _____.
 1) public, tampered 2) autonomous, vitiated 3) ahead, fabricated
 4) outside, manipulated 5) beyond, influenced
41. A judicial commission should be _____ to look into issues _____ the appointment of judges.
 1) constituted, enabling 2) authorized, pertaining 3) appointed, sentencing
 4) called, considering 5) instituted, concerning
42. In a heterogenous polity such as India, a _____ reading of exit poll results could create a very skewed impression of the _____ outcome.
 1) premature, eventual 2) biased, elected 3) unwarranted, final
 4) balanced, positive 5) superficial, result

43. In the US, the appointments of judges are _____ by the Senate which _____ bipartisan scrutiny.
- 1) detailed, employs 2) directed, supervises 3) scrutinized, maintains
4) approved, ensures 5) supervised, contains
44. Exit polls are not the real thing, but only a very sketchy model of the _____ on the _____.
- 1) scene, frame 2) reality, ground 3) picture, wall
4) emergence, horizon 5) prediction, outcome
45. Exit poll surveys are _____ only if they are carefully designed and a transparent methodology is _____.
- 1) realistic, availed 2) fruitful, evolved 3) reliable, employed
4) acceptable, governed 5) successful, relied

ANSWER KEY – TEST 102

<u>APTITUDE</u>	<u>ENGLISH</u>
1) $6 \frac{2}{3}$	26 1
2) 3	27 3
3) 12	28 4
4) 6	29 2
5) 15	30 5
6) $8 \frac{1}{3}$	31 4
7) $\frac{6}{5}$	32 1
8) 10	33 3
9) $10 \frac{1}{4}$	34 2
10) 24	35 5
11) 4	36 3
12) 24	37 5
13) 20	38 1
14) 24	39 4
15) $3 \frac{11}{19}$	40 2
16) $\frac{19}{24}$	41 5
17) 20	42 1
18) 49	43 4
19) 48	44 2
20) 30	45 3
21) 48	
22) 22	
23) 54	
24) 13	
25) 25	