



spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



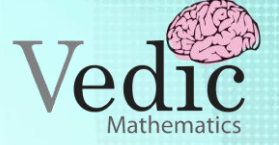
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1. Two pipes can fill a tank in 2 h and 3h, separately. If both pipes are opened together, then the tank will be filled in

[CGPSC 2019]

(a) 5 h

(b) 1.20 h

(c) 1.12 h

(d) 6 h

2. Pipe A can fill a tank in 16 h while pipe B can empty it in 32 h. If both the pipes are opened, then how much time will both pipes take to fill the emptied tank?

(a) 48 h

(b) 32 h

(c) 16 h

(d) 64 h

3. Three pipes A, Band C can fill a tank in 30 min, 20 min and 10 min, respectively. When the tank is empty, all the three pipes are opened. If A, Band C discharge chemical solutions P, Qand R respectively, then the part of solution R in the liquid in the tank after 3 min is

[SSC MTS 2013]

(a) $\frac{8}{11}$

(b) $\frac{5}{11}$

(c) $\frac{6}{11}$

(d) $\frac{7}{11}$

4. If a tap A is 5 times faster than tap Band can fill a tank in 32 min less than tap & then the time taken to fill the tank if both pipes are opened together is

(a) $6\frac{2}{3}$ min

(b) $2\frac{3}{4}$ min

(c) $6\frac{2}{5}$ min

(d) $3\frac{4}{3}$ min

5. Two pipes A and B can fill the tank in 5 h and 4 h respectively. If they are opened on alternate hours and A is opened first, how many hours will it take to fill the tank?

[Delhi Police MTS 2018]

(a) 4.5

(b) 6

(c) 4

(d) 7.5

6. Pipes A and B can fill a tank in 15 and 12 min, respectively. Pipe C empties the tank at the rate of 2 L/min. If all the pipes are opened at the same time, then the tank is filled in $8\frac{4}{7}$ min. The capacity of tank is

[RRB Group D 2018]

(a) 80 L

(b) 75 L

(c) 60 L

(d) 90 L

7. Two pipes A and B can fill a cistern in 4 h and 5 h, respectively. After how much time, pipe B must be closed so that the cistern will be filled in 3h completely?

(a) 2.5 h

(b) 1.25 h

(c) 3 h

(d) 3.5 h

8. If the time taken by a pipe A to fill the tank is 16 min more than the time taken by pipes A and B together to fill the tank and pipe B takes 25 min more than the time taken by pipes A and B together to fill the tank, then find the time taken by both pipes, A and B together to fill the tank.

(a) 18 min

(b) 28 min

(c) 20 min

(d) 41 min

