

Time And Work Questions Overview

Time And Work Questions have a good weightage in the Ssc Chsl Exam and the type of question asked in Ssc Chsl exam is similar to the question mentioned below. It has been solved and explained by KD Live Experts under the guidance of Neetu Mam and they have tried to elaborate the concept used in Time And Work Questions.

Question On Time And Work

A printer machine X can print 10,000 copies of the magazine in 12 hours, machine Y can print the same number of the magazine in 15 hours and machine Z can print them in 18 hours. All the machines are started at 11 am. While machine Z is closed at 2 pm and the remaining two machines complete the work. Approximately at what time will the work (to print 15,000 copies of the magazine) be finished?

Difficulty : Moderate

Average Time : 46 Seconds

Time And Work Questions Options

1. 4 AM
2. 10 PM
3. 8 PM
4. 6 AM

Time And Work Questions Solution

The correct answer is **option 3** i.e. **8 PM**.

Given:

Time taken by different printers to print 10000 copies

$X = 12$ hours, $Y = 15$ hours, and $Z = 18$ hours

$X + Y + Z = 2$ pm - 11 am = 3 hours

Let,

10000 copies = 1 then, 15000 = $\frac{3}{2}$

$(X + Y + Z)$ 1 hour's work = $[(1/12) + (1/15) + (1/18)] = (15 + 12 + 10)/180 = 37/180$

Work done by X, Y and Z in 3 Hours = $(37/180) \times 3 = 37/60$

Remaining work = $[(3/2) - 37/60] = 53/60$

X and Y 1 hour's work = $[(1/12) + (1/15)] = 3/20$

Remaining work done by X and Y in = Remaining work/efficiency

$[(53/60)/(3/20)]$

$(53 \times 20)/(60 \times 3) = 1060/180 = 5.88$ 6 hours

So, the work will be finished approximately 6 hours after 2 pm, i.e. around 8 pm.

Time And Work Questions Tips and Tricks



1. Try to solve Time And Work Questions without taking any help from the solutions.
2. Time And Work Questions require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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Further Guidance on Time And Work Questions

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About KD Live

KD live has an expertise in providing apt explanations for the Time And Work Questions since 2008. More than 10 lakh aspirants have cleared competitive exams under the guidance of Neetu Mam. Study.kdcampus.live is providing free information on various topics and for the Ssc Chsl Exam you can refer the following link [Click Here](#) however if you want to practice more questions then please refer the following link [Click Here](#).

About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Time And Work Questions. She has guided her team to provide the best explanation for the question.