

By. Er. Dharmendra Sir

7974073108, 9584873492

# **DPM CLASSES**

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

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**TEST - PAPER (CBSE/NCERT)**

## **SIMPLE EQUATIONS**

**SESSION -2024-25**

**CLASS - 7<sup>th</sup>**

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Time : 1 hr

Simple equations

mm!

Q. 1. Solve the following equations by trial and error method :

(i)  $5p + 2 = 17$

(ii)  $3m - 14 = 4$



Q. 2. Write equations for the following statements :

(i) If you add 3 to one-third of  $z$ , you get 30.

(ii) The number  $b$  divided by 5 gives 6.

Q. 3. Write the following equations in statement form :

(i)  $3p + 4 = 25$

(ii)  $\frac{p}{2} + 2 = 8$



Q. 4. Setup an equation in the following cases.

(i) Irfan says that he has 7 marbles more than five times the marbles Permit has. Irfan has 37 marbles.

(ii) In an isosceles triangle, the vertex angle is twice either base angle.

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Q.5. Give the steps you will use to separate the variable and then solve the equation:

(i)  $3n - 2 = 46$

(ii)  $\frac{20p}{3} = 40$

Q.6. Solve the equations:

(i)  $38 + 12 = 0$

(ii)  $29 + 6 = 12$

Q.7. People of Sundargram planted trees in the village garden. Some of the trees were fruit trees. The number of non-fruit trees were two more than three times the number of fruit trees. What was the number of fruit trees planted if the number of non-fruit trees planted was 77?

Q.8. Setup equations and solve them:

(i) If I take three fourth of a number and add 3 to it, I get 21.

(ii) Munna subtracts thrice the number of notebooks he has from 50, he finds the result to be 8.

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