

EVERWIN MATRIC. HR. SEC. SCHOOL

25.02.20

T.T Mathematics

Time: 45 Mins

STD: VII

Marks: 13

I. Fill in the blanks:

4x1=4

1. $(p-q)^2 = \underline{\hspace{2cm}}$
2. The product of $(x+5)$ and $(x-5)$ is $\underline{\hspace{2cm}}$.
3. The factors of x^2-4x+4 are $\underline{\hspace{2cm}}$.
4. Express $24ab^2c^2$ as product of its factors is $\underline{\hspace{2cm}}$.

II. Write True or False:

4x $\frac{1}{2}$ =2

1. $(7x+3)(7x-4)=49x^2-7x-12$
2. $(a-1)^2=a^2-1$
3. $(x^2+y^2)(y^2+x^2)=(x^2+y^2)^2$
4. $2p$ is the factor of $8pq$

III. Answer the following:

1. Express the following as product of its factor (2M)
(i) $24ab^2c^2$ (ii) $56mn^2p^2$
2. Expand the following square using suitable identity: (5M)
(i) $(b-7)^2$

T.T Social-I

I. Answer in short:

3x4=12

1. Write a note on Pancha Pandava Rathas.
2. Pointout the special features of Thanjur Big Temple.
3. Highlight the striking features of Rameshwaram Temple.