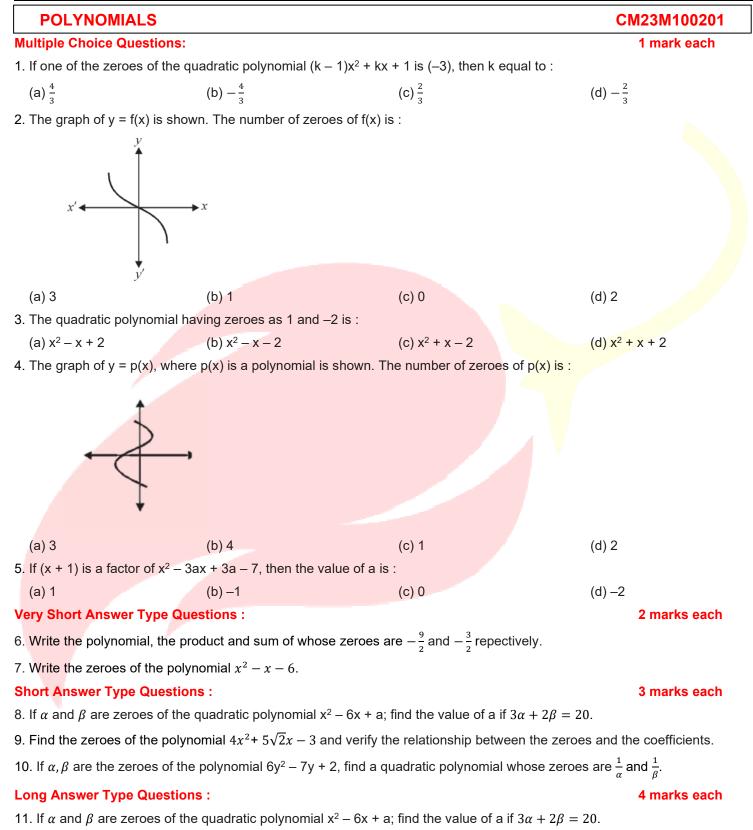
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- 12. If α , β are the zeroes of the quadratic polynomial $f(x) = x^2 px + q$, prove that $\frac{\alpha^2}{\beta^2} + \frac{\beta^2}{\alpha^2} = \frac{p^4}{q^2} \frac{4p^2}{q} + 2$.
- 13. If α , β are the zeroes of the quadratic polynomial $f(x) = x^2 + px + q$, form a polynomial whose zeroes are $(\alpha + \beta)^2$ and $(\alpha - \beta)^2$.