

BOARD OF INTERMEDIATE & SECONDARY EDUCATION, SAHIVAL

SUBJECT: Mathematics EXAM II-Annual 2022 CLASS: II-Y
GROUP: Pst DATE: 07-12-22

GENERAL INSTRUCTIONS FOR MARKING KEY

Q.9(a) $\frac{x^2}{4} - \frac{y^2}{9} = 1$

$a^2 = 4, b^2 = 9$

$a = \pm 2, b = \pm 3$

$c^2 = a^2 + b^2$
 $= 13$

$c = \pm \sqrt{13}$

Centre $x=0, y=0$ $(0,0)$ (1M)

foci $(\pm c, 0) = (\pm \sqrt{13}, 0)$ (1M)

Eccentricity $e = c/a$

$= \frac{\sqrt{13}}{2}$ (1M)

vertices $(\pm a, 0) = (\pm 2, 0)$ (1M)

Directrices

$x = \pm a/c$

$= \pm \frac{2/\sqrt{13}}{2} = \pm \frac{4}{\sqrt{13}}$ (1M)

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تم نے درج بالا سوال پر چ (انتخابی + معروضی) اور دیات کے حوالے سے مکمل طور پر قطعی کر لی ہے۔ کسی قسم کی کوئی غلطی نہ ہے۔

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