MINOR-211

FEE SEC-I MAX MARKS = 30

Do all the questions,

Out. I. Find the integral surface of the PDE  $(y+7x)p - (x+yz) 9 = x^2-y^2$ 

Qui-2 Find the Fourier series of the function f(x) = x2 & it's period is 21T.

Que-3. Find the half range expansion of f(x)=Sinx

 $\frac{\partial \omega + \sin \omega}{\partial \omega} = \int_{-\infty}^{\infty} \frac{\sin \omega \sin \omega}{1 - \omega^2} d\omega = \int_{-\infty}^{\infty} \frac{\sin \omega \cos \omega}{\cos \omega} = \int_{-\infty}^{\infty} \frac{\sin \omega \cos \omega}{\cos \omega} d\omega = \int_{-\infty}^{\infty} \frac{\sin \omega}{\omega} d\omega = \int_{-\infty}^{\infty} \frac{\sin$ 

Out-5. Find fc(w)& fs(w) for the function

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