

Internal Assessment Test $II - Nov. 2017$

$$
\int_{\text{Re}} f_x \cdot f_x \cdot h = \int_{\text{Re}} \frac{1}{2} \left(\cos \frac{\pi}{2} \cos \frac
$$

Color a New Project. Feta's empty and electrical the fields problem.

\nObn a modern magnetic product of a signal?

\nLet us assume the arithmetic of scalar magnetic potential of the other angles, the number of variables in the image.

\nLet us assume the product of the variables in the image.

\nLet
$$
H^3 = -\nabla V_m
$$
.

\nLet $H^3 = -\nabla V_m$.

\nLet $H^3 = \mathbb{Z}^2 = \nabla \times (-\nabla V_m)$.

\nLet $H^3 = \mathbb{Z}^2 = \nabla \times \nabla V_m = 0$.

\nLet $H^3 = \mathbb{Z}^2 = \nabla \times \nabla \times \nabla V_m = 0$.

\nLet $H^3 = \nabla \times \nabla \times$

3.
$$
f_{0}
$$
 = f_{0}
\n7. $\vec{B} = \mu_0 + \vec{l}$
\n7. $\vec{B} = \mu_0 + \vec{l}$
\n8. $(\nabla \cdot (\nabla \cdot \vec{m})^2) = 0$
\n $\mu_0 (\nabla \cdot (\nabla \cdot \vec{m})) = 0$
\n $\mu_0 (\nabla \cdot (\nabla \cdot \vec{m})) = 0$
\n $\frac{1}{\sqrt{2}} \sqrt{(\mu_0 - \mu_0)^2 + (\mu_0 - \mu_0)^2} = 0$
\n $\frac{1}{\sqrt{2}} \sqrt{(\mu_0 - \mu_0)^2 + (\mu_0 - \mu_0)^2} = 0$
\n10. differential
\n10. differential
\n10. $\frac{1}{\sqrt{2}} \text{ and } \frac{1}{\sqrt{2}} \text{ which equals the probability of } \frac{1}{\sqrt{2}} \text{ and the probability$

$$
-\frac{12Vn}{c^{2}} + \frac{3\pi}{8\pi r}
$$
\n
$$
\frac{5V_{m}}{5\pi} = -\frac{1}{2\pi}
$$
\n
$$
\frac{1}{5\pi} \int_{0}^{\pi} \frac{1}{\sin \pi} \frac{1}{\
$$

$$
\frac{\partial \lambda}{\partial x} \frac{\partial \lambda}{\partial y} = \begin{vmatrix} \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \\ \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \end{vmatrix} = \frac{2(x+2y)}{2} \begin{vmatrix} \frac{\partial}{\partial x} + \frac{1}{y+2} \frac{\partial}{\partial y} \\ \frac{\partial}{\partial y} & \frac{\partial}{\partial z} + \frac{1}{z+2} \frac{\partial}{\partial z} \\ \frac{\partial}{\partial z} & \frac{\partial}{\partial z} + \frac{1}{z+2} \frac{\partial}{\partial z} \\ \frac{\partial}{\partial z} & \frac{\partial}{\partial z} + \frac{\partial}{\partial z} \frac{\partial}{\partial z} \end{vmatrix} = \frac{2(x+2y)}{2} \begin{vmatrix} \frac{\partial}{\partial x} + \frac{1}{z+2} \frac{\partial}{\partial z} \\ \frac{\partial}{\partial z} + \frac{\partial}{\partial z} \frac{\partial}{\partial z} \end{vmatrix} = \frac{1}{(x+2)^2} \begin{vmatrix} \frac{\partial}{\partial x} + \frac{1}{z+2} \frac{\partial}{\partial z} \\ \frac{\partial}{\partial z} + \frac{\partial}{\partial z} \frac{\partial}{\partial z} \end{vmatrix}
$$
\n
$$
= \frac{1}{z^2} \begin{vmatrix} \frac{\partial}{\partial x} - \frac{\partial}{\partial y} \frac{\partial}{\partial z} \\ \frac{\partial}{\partial z} - \frac{\partial}{\partial z} \frac{\partial}{\partial z} \end{vmatrix} = \frac{1}{(z^2 + 1)^2} \begin{vmatrix} \frac{\partial}{\partial y} - \frac{\partial}{\partial z} \frac{\partial}{\partial z} \\ \frac{\partial}{\partial z} & \frac{\partial}{\partial z} \end{vmatrix} = \frac{1}{(z^2 + 1)^2} \begin{vmatrix} \frac{\partial}{\partial y} - \frac{\partial}{\partial z} \frac{\partial}{\partial z} \\ \frac{\partial}{\partial z} - \frac{\partial}{\partial z} \frac{\partial}{\partial z} \end{vmatrix} = \frac{1}{(z^2 + 1)^2} \begin{vmatrix} \frac{\partial}{\partial y} - \frac{\partial}{\partial z} \frac{\partial}{\partial z} \\ \frac{\partial}{\partial z} - \frac{\partial}{\partial z} \frac{\partial}{\partial z} \end
$$

1) Two differentiable constant density are
\n
$$
\int \frac{1}{2}x^2 - 3x^3 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 = 0
$$
\n
$$
\int \frac{1}{2}x^2 - 4x^2 + 1 =
$$

H by
$$
\frac{A_1}{A_1} + A_2
$$

\n
$$
= 2\pi r_1 2 \left(\frac{R_1}{A_2}\right)^{1/2} + 2\pi r_2 2R_1
$$
\n
$$
= 2\pi r_1 2 \left(\frac{R_1}{A_2}\right)^{1/2} + 2\pi r_1 2R_2
$$
\n
$$
= 2\pi r_1 2 \left(\frac{R_1}{A_2}\right)^{1/2} + 2\pi r_1 2R_2
$$
\n
$$
= 2\pi r_1 2 \left(\frac{R_1}{A_2}\right)^{1/2} + 2\pi r_1 2R_2
$$
\n
$$
= 2\pi r_1 2 \left(\frac{R_1}{A_2}\right)^{1/2} + 2\pi r_1 2R_2
$$
\n
$$
= 2\pi r_1 2R_1
$$
\n
$$
= 2\pi r_1 2R_2
$$
\n
$$
= 2\pi r_1 2R_1
$$
\n
$$
= 2\pi r_1 2R_1
$$
\n
$$
= 2\pi r_1 2R_1
$$
\n
$$
= 2\pi r_1 2R_2
$$
\n
$$
= 2\pi r_1 2R_1
$$
\n
$$
= 2\pi r_1
$$

OR 8 (a) Using Faraday's law derive an expression for e.m.f induced in stationary conductor placed in a time varying magnetic field. Also explain motional e.m.f. [06] CO4 L3

Stabining both.
\n
$$
\frac{1}{\pi}
$$

\n $\frac{1}{\pi}$
\n $\frac{1}{$

 $emf = Bvd$

$$
\mu = 3\times10^{-5}H/m
$$
\n
$$
\epsilon = 1.2\times10^{-10}H/m
$$
\n
$$
\epsilon = 1.2\times10^{-10}H/m
$$
\n
$$
\epsilon = 0.2\times10^{-10}H/m
$$
\n
$$
2.2\times10^{-10}H/m
$$

$$
(\vec{r} \times \vec{H}) = (\vec{r} + \frac{1}{3\sqrt{t}})
$$
\n(b) List Maxwell's equations in point and integral forms for time varying field.
\n(b) List Maxwell's equations in point and integral forms for time varying field.
\n
$$
\vec{r} \cdot \vec{B} = \beta_{\varphi}
$$
\n
$$
\vec{r} \cdot \vec{B} = \beta_{\varphi}
$$
\n
$$
\vec{r} \cdot \vec{B} = \beta_{\varphi}
$$
\n
$$
\vec{r} \times \vec{F} = -\frac{3}{3} + \frac{3}{3} = \frac{3}{3} =
$$