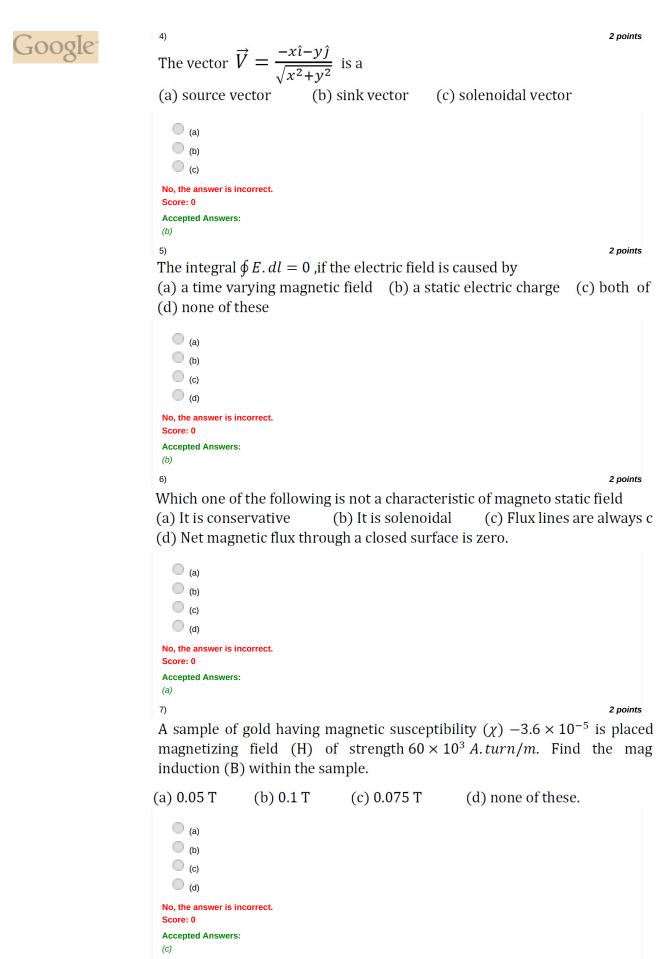
| ourses » Introduction to | o Non-linear Optics and its Applications |
|-------------------------------|--|
| Unit 2 - Pre-re Assignment | Announcements Course Ask a Question Progress Mentor FAQ |
| Course outline | Assignment 0 |
| How to access the portal | The due date for submitting this assignment has passed. Due on 2018-07-30, 23:59 IST As per our records you have not submitted this assignment. Due on 2018-07-30, 23:59 IST |
| Pre-requisite Assignment | ¹⁾ The projection of the vector $4\hat{i} - 3\hat{j} + \hat{k}$ on the line passing through the |
| Quiz : Assignment 0 | (2,3,-1) and $(-2,-4,3)$ is |
| Week 1 | (a) 0 (b) 1 (c) 9 (d) $\frac{1}{9}$ |
| Week 2 | , |
| Week 3 | (a) |
| Week 4 | (b) (c) |
| Week 5 | |
| Week 6 | No, the answer is incorrect. |
| Week 7 | Score: 0 Accepted Answers: |
| Week 8 | (b) |
| Week 9 | 2) 2 point |
| | The work done in moving an object along straight line from $(3,2,-1)$ to (in a forma field given by $\vec{E} = 4\hat{i} + 2\hat{k}$ is |
| Week 10 | in a force field given by $\vec{F} = 4\hat{\iota} - 3\hat{\jmath} + 2\hat{k}$ is (a) 0 unit (b) 5 unit (c) 10 unit (d) 15 unit |
| Week 11 | |
| Week 12 | (a) |
| Download Videos | (b) |
| Assignment Solution | (c) |
| | (d) No, the answer is incorrect. |
| | Score: 0 |
| | Accepted Answers: (d) |
| | 3) 2 poin |
| | The vector $\vec{A} = 3y^4 z^2 \hat{\imath} + 4x^3 z^2 \hat{\jmath} - 3x^2 y^2 \hat{k}$ is |
| | (a) source (b) sink (c) solenoidal |
| | (a) |
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Introduction to Non-linear Optics and its Applica...



2 points

8)

A conductor of length 0.4m is moving with a speed of 5m/s perpendicula magnetic field of 1 *T*. The emf induced across the conductor is (b) 0.2 V (a) 1 V (c) 2 V (d) 0.1 V 🔘 (a) (b)) (c) 🔵 (d) No, the answer is incorrect. Score: 0 Accepted Answers: (C) 9) 2 points

The relative phase between the electric field and the magnetic field of an EM $^\circ$ in free space is

| (a) 0° | (b)180° | (c) 45° | (d) 90° | 0 | |
|----------------------------|------------------------------------|--------------|---------------------------|-----------------|----------|
| (a) (b) (c) (d) | | | | | |
| No, the answer Score: 0 | r is incorrect. | | | | |
| Accepted Answ (a) | vers: | | | | |
| 10) | | | | | 2 points |
| | ity $\mu_0 \epsilon_0$ has the c | | | | |
| (a)[L^2T^{-2}] | (b) $[L^{-2}]$ | $[1^2]$ (c)) | $\lfloor LT^{-1} \rfloor$ | (d) $[L^{-1}T]$ | |
| (a) | | | | | |
| 🔘 (b) | | | | | |
| (c) | | | | | |
| (d) | | | | | |
| No, the answei Score: 0 | r is incorrect. | | | | |
| Accepted Answ | vers: | | | | |
| (b) | | | | | |

End