

Choose the right answer:

Notice: 3 marks for each question.

1. The Rainbow is a:

- a) meteorological phenomenon that is caused by reflection, refraction and dispersion of light in water droplets resulting in a spectrum of light appearing in the sky.
- b) electromagnetically phenomenon that is caused by reflection, refraction and dispersion of light in water droplets resulting in a spectrum of light appearing in the sky.
- c) meteorological phenomenon that is caused by reflection, refraction and dispersion of heat in water droplets resulting in a spectrum of light appearing in the sky.
- d) colors phenomenon that is caused by reflection, refraction and dispersion of light in the sky.

2. The speed of sound at (-20)°C is about:

- a) 343.216m/sec
- b) 332.512m/sec²
- c) 1235.578km/hr
- d) 1197km/sec
- e) Wrong question

3. If the density of 1kg of water is 1000Kg/m³, then the density of 1000kg of water will be:

- a) 1000000kg/m³
- b) 1000kg/m³
- c) 1kg/m³
- d) 0.001kg/m³
- e) 0.000001kg/m³

4. This physics instrument is called:

- a) Fixed Microscope
- b) Travelling Microscope
- c) Spectrometer
- d) Spectroscope



5. According to the pendulum principles, the value of (g) will increase with:

- a) Increasing of (l)
- b) Increasing of (T)
- c) Increasing of (T^2)
- d) High from the sea level
- e) Increasing of ground density

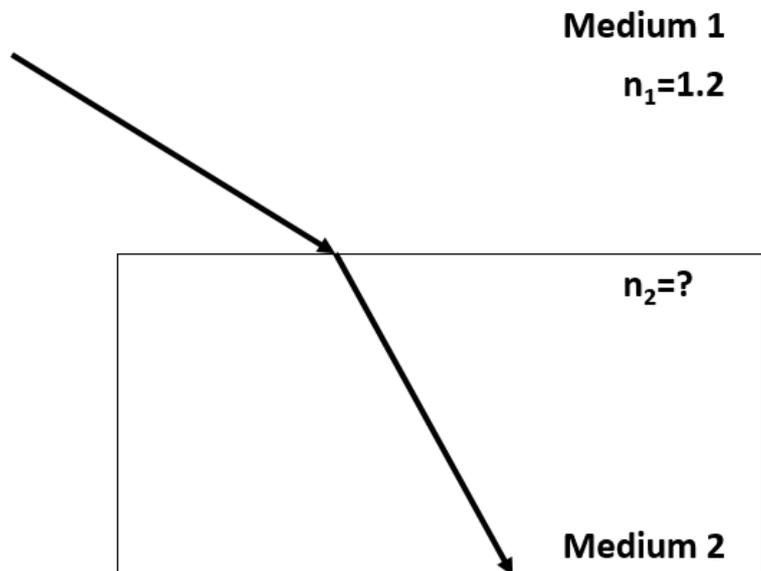
6. b) A wire made of a copper alloy is 5 m in length and has a cross-sectional area 1 mm^2 . Its resistance is 0.15Ω . The resistivity of this alloy is:

- a) $3.0 \times 10^{-8} \Omega$
- b) $300 \times 10^{-8} \Omega$
- c) $30 \times 10^{-8} \Omega \cdot \text{m}$
- d) $3.0 \times 10^{-8} \Omega \cdot \text{m}$

7. The (en.wikipedia.org) is a:

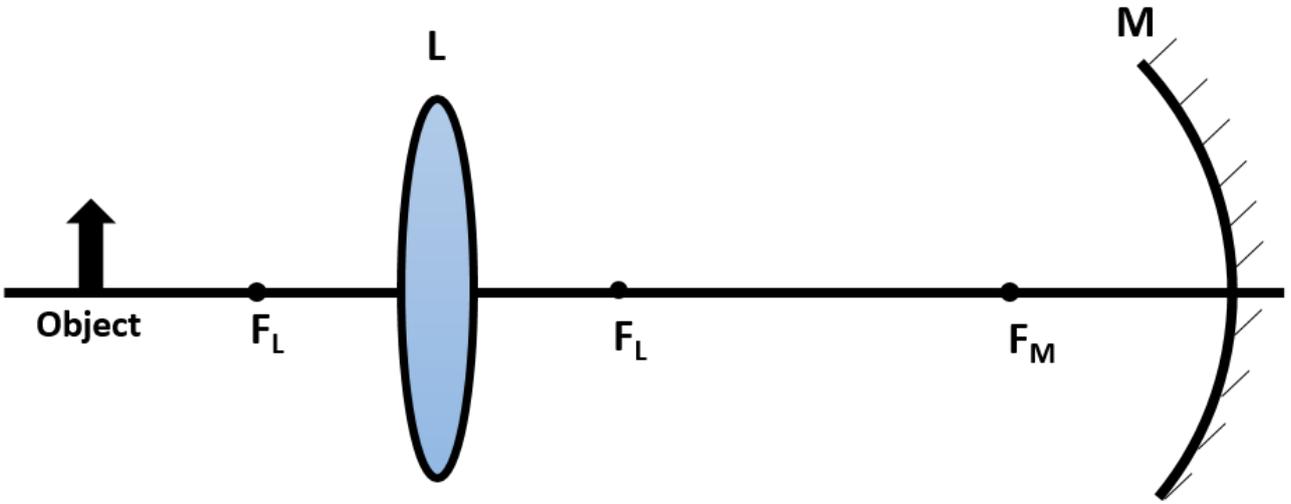
- a) web-based, free-content encyclopedia that is based on a model of openly editable content. It is the largest and most-popular general reference work on the Internet.
- b) web-based, physics-content only that is based on a model of openly editable content. It is the largest and most-popular general reference work on the Internet
- c) largest and most-popular web-based general books on the Internet
- d) largest and most-popular web-based university on the Internet

8. Find the Refractive index of the medium 2:



Don't write here

9. Find the second image:



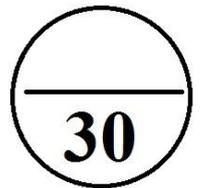
10. My best physics' Android Apps on Google Play is :

GOOD LUCK

Mr.Kasim Fawzy Ahmed

&

Mr.Hersh Ahmed Khizir



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ناوی سیانی:

ژماره‌ی نهینی ()