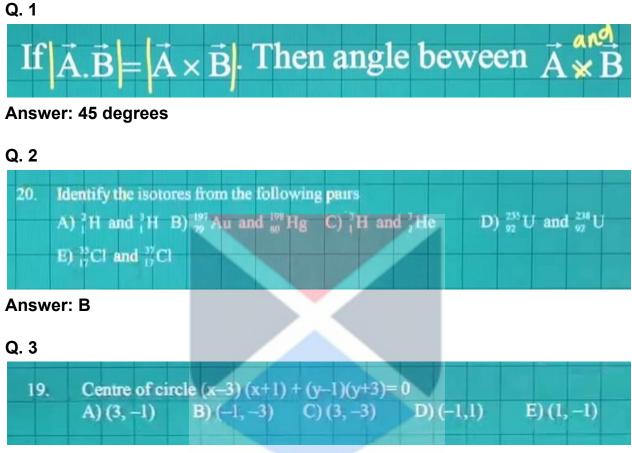
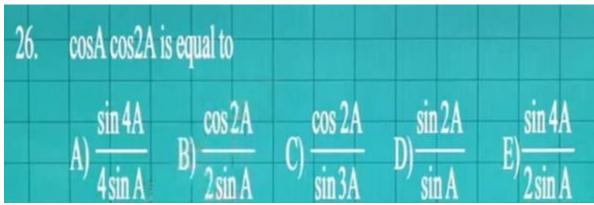
# KEAM 2024 June 5 (Day 1) Answer Key (Unofficial)



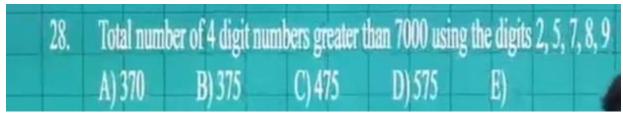
## Answer: E

## Q. 4



Answer: A

## Q. 5



#### Answer: B

## Q. 6

The electromagnetic radiations used in LASIK surgery and cell phone are respectively

#### Answer: UV rays

## Q. 7

An object in free fall covers 80m in first 4 seconds. The distance covered in next 4 seconds is

## Answer: 35m

#### Q. 8

A body, takes above the surface of the Earth, loses 20% of its weight. The height to which the body is taken is

#### Answer: approximately 751.418km

## Q. 9

A ray of light passes through a medium with frequency  $4 \times 10^{14}$  Hz and wavelength 450nm. The refractive index of the medium is

## Answer: 1.67

#### Q. 10

21. The de-Broglie wavelength associated with an electron accelerated by a potential difference of 3V lies in which region of the electromagnetic spectrium?

#### Answer: X-ray region of the electromagnetic spectrum.