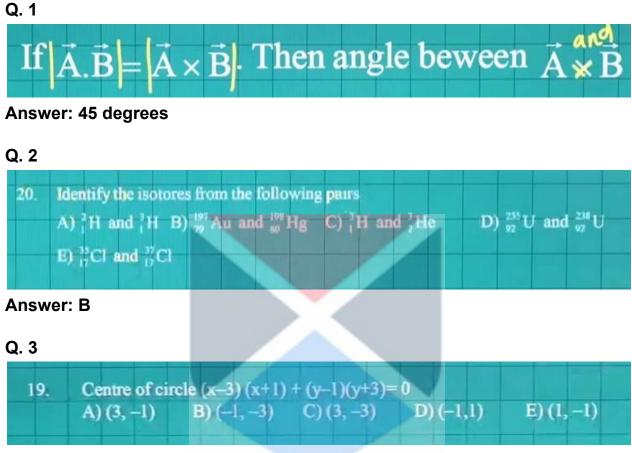
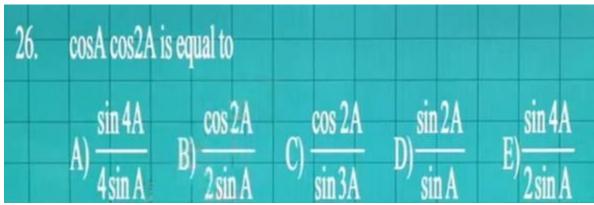
KEAM 2024 June 5 (Day 1) Answer Key (Unofficial)



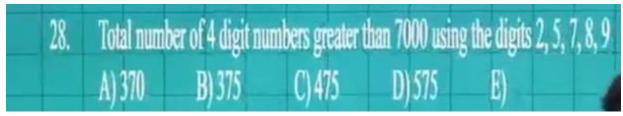
Answer: E

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 4×10^{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.