

#Jenny



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Cool! I'am really happy

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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Scheme - G
Sample Question Paper

Course Name : Civil Engineering Group	
Course Code : CE/CSCB/CV	
Semester : Second	17207
Subject Title : Applied Science (Physics)	
Marks : 80	Time: 2 Hours

Instructions:

- All questions are compulsory.
- Illustrate your answers with neat sketches wherever necessary.
- Figures in the right indicate full marks.
- Assume suitable data if necessary.
- Preferably, write the answers in sequential order.

Q.1) Attempt any NINE. 18 Marks

- State two equations of angular motion with meaning of symbol.
- Define angular displacement and state its S.I. unit.
- State any four properties of Ultra sonic waves.
- State any two points of criteria for selection of N.D.T. method
- State any two properties of X rays.
- State inverse square law of photometry.
- What is photoelectric effect.
- State any two medical applications of X rays.
- State work energy principle.
- State any two factors affecting Induce lighting.
- The energy of photoelectron is 2.8 eV . What is its frequency?
- 100 litres of water is pumped to a height of 30 m. Calculate the work done by the pump.

Q.2) Attempt any FOUR. 16 Marks

- Distinguish between centripetal force and centrifugal force.
- A bullet of mass 60 gm is fired with muzzle velocity of 200 m/s from a gun of mass 6 kg. Calculate recoil velocity of gun.
- Explain production of ultrasound by Piezoelectric method.
- A train crosses a tunnel in 20 seconds. At the entry of the tunnel, its velocity is 36 km/hr and at exit of tunnel its velocity is 54 km/hr. Find the length of the tunnel.
- State four applications of ultrasonic testing.

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Civil Sample Paper 3 Semester G Scheme