**ALLIED PHYSICS-II**

**TWO MARK QUESTIONS SUB.CODE:16SACPH2**

**UNIT-I**

1. State the coulomb’s inverse law.
2. Define Gauss theorem.
3. What are the types of capacitors?
4. Define capacitor.
5. List the advantages of Gauss theorem.

**UNIT-II**

1. Define intensity of magnetization.
2. What are ferromagnetic materials?
3. What is susceptibility?
4. Write any two properties of paramagnetic material?
5. Give any two applications of ferrimagnets.

**UNIT-III**

1. What are the concepts of vector atom model?
2. State pauli’s exclusive principle.
3. Define mosley’s law.
4. State Bragg’s law.
5. What is miller indices?

**UNIT-IV**

1. What is nucleus?
2. Define:(i) Nuclear size,(ii) Nuclear charge.
3. What is an elementary particles?
4. Define nuclear mass.
5. What are leptons?

**UNIT-V**

1. Convert: (i) (352)8= (?)10, (ii) (1100 1100)2= (?)10
2. Write down the Boolean equations.
3. State the Demorgan’s theorem.
4. Write the truth tables of AND & NOT gates.
5. Write the rules of 2’s complement.