

6

Monday
July

Physics

Semester - VI

107-178 • WK 28

16	17	18	19	20	21
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

Core-13. Electromagnetic theory

* Answer any four question:-

Q1. Derivation of Maxwell's field equation?

Q2. Discuss Brewster's law?

Q3. Write a short notes on Biot's Laws for Rotatory polarization?

Q4. Discuss experimental verification of Fresnel's theory?

Q5. Define displacement current and quarter wave?

Core-14. Statistical mechanics

* Answer any four question:-

Q1. Discuss Boltzmann entropy?

Q2. Derivation Bose-Einstein distribution law?

Q3. Write a short notes on Fermi-dirac distribution law?

Q4. Discuss Planck's law of blackbody radiation?

Q5. What is classical entropy?