Expt. No. Page No.

Sem - VI (Physics Core)

Paper - CC13 (T) F.M=10.

Answer all questions

Q.

1. Write Maxwell's field equations

2. Write necessary conditions for linear, circular & elliptical polarized light. How can these be detected?

3. Write about double refraction through Negative & Positive Crystal

Paper - CC14 (T)

Q. Answer all questions F.M=10

1. Write in brief about Maxwell's Boltzmann's distribution law.

2. Write in brief about micro-canonical, canonical & grand canonical ensembles.

3. Draw a graph for the spectral distribution of Black-body radiations at different wavelengths.

Teacher's Signature

Sem VI

(Physics Core)

Paper - Practical

Q① Determine the specific rotation of given sugar solution using Polarimeter

Q② How can you analyse an elliptically polarised light by using Babinet Compensator

Q③ Determine Boltzmann's constant using V-I characteristics curve of a P-N diode