

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B.Tech-I Semester (CSE/IT/BT/ECE/CE)

COURSE CODE (CREDITS): 18B11PH211

MAX. MARKS: 15

COURSE NAME: Engineering Physics - II

COURSE INSTRUCTOR: PBB

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory. (b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems (c) Use of calculator is allowed

Q.No	Question	CO	Marks
Q1	Write the difference between crystalline and amorphous solids.	1	3
Q2	Derive Bragg's law of diffraction.	2	3
Q3	Draw (111), (210) and (300) planes in unit cubic cell. Also, show their directions.	3	3
Q4	Find the atomic packing fraction of SC unit cell.	2	3
Q5	Find the interplanar spacing for (410) and (011) planes.	3	3