## CONDENSED MATTER PHYSICS-I

## Semester-V

Time Allowed: 3 Hours]

Note: The candidates are required to attempt two questions each from Section A and B carrying 8 marks each and the entire Section C consisting of 8 short answer type questions carrying 1 marks each.

Section - A

1. Discuss Bravais lattice in three dimensions.

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2. (i) What do you mean by symmetry operation? Prove that a crystal lattice cannot have five fold symmetry.

