

(2)

[Total No. of Questions: 8]

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Enroll No.....

- Q.6 Discuss construction and working of He-Ne laser with energy level diagram.
- Q.7 Discuss construction and working of Nd-YAG laser with energy level diagram.
- Q.8 (a) Explain Construction and working of Laser.
- (b) Find the relationship between Einstein coefficients.

PY-11
B.Tech.–I Sem. (Reg./Ex) & II (Ex.)
Examination, March-2021
Engineering Physics
Time: Three Hours

Maximum Marks:70

Note: Attempt any five questions. (Each question carries equal marks)

- Q.1 State and prove Schrödinger equation.
- Q.2 State and prove Heisenberg's uncertainty principle.
- Q.3 Explain in detail the Newton's ring experiment with diagram.
- Q.4 State and prove particle in 1-D box.
- Q.5 (a) Explain Hall Effect. What are the uses of Hall Effect?
- (b) Which parameters cannot be found with Hall Effect?