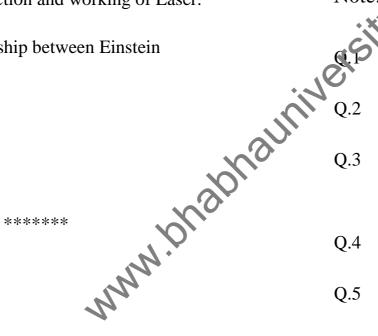
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Q.6 Discuss construction and working of He-Ne laser with energy level diagram.

(2)

- 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 Fngineering 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.

- 2.3 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?