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B. Tech. Examination 2021-22

(Even Semester)

CHEMISTRY*Time : Three Hours]**[Maximum Marks : 60***Note :-** Attempt all questions.**SECTION - A**1. Attempt all parts of the following : 8 × 1 = 8

- (a) Explain why does Be_2 molecule not exist?
- (b) Give the values of all four quantum number for $4s^1$.
- (c) What is a racemic mixture?
- (d) Which conformation of n-butane is most stable?
- (e) Write the constituents responsible for permanent hardness of water.

[P. T. O.