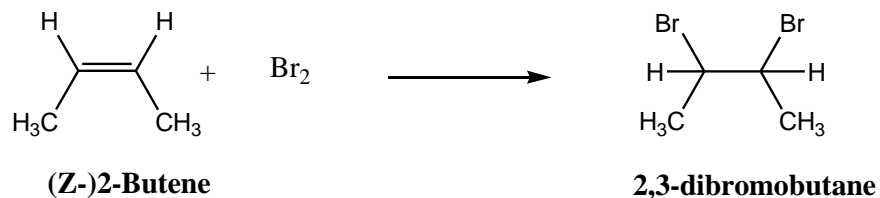


B.Sc. (H) Chem and B.Sc (P) (Semester IV)

SEC: Green methods in chemistry

Q1. What do you mean by Atom economy? Calculate the atom economy of the reaction below.



Q2. Why ionic liquids are also called as Designer solvents? Give its advantages.

Q3. Justify the term: Risk= f(Hazards x Exposure). Explain using suitable example.

Q4. Discuss the Simmons Smith reaction using ultrasound technique. How ultrasound technique is beneficial for the above reaction.

Q5. Compare the conventional oxidation method and microwave assisted oxidation of toluene in water.

Q6. What are antifoulants? Give example of green antifoulant.

Q7. What are bioplastics. Give its advantages.

Q8. What are rightfit pigments. Give one example.

Q9. Explain. How supercritical CO₂ can be used as drycleaning agents?

Q10. Give the green synthesis of adipic acid.