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

## **SEC:** Green methods in chemistry

- Q1. What do you mean by Atom economy? Explain with suitable example. How will you differentiate between a rearrangement reaction and elimination reaction using the concept of atom economy?
- Q2. Define ionic liquids? Taking suiatble example how will you synthesise an ionic liquid.

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a.	Microwave heating involves the conversion of energy to						
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	A raw material should be	rather than	wherever technically				
í	and econoically feasible.						

- Q4. Give the twelve priciples of green chemistry. Expalin any two with the help of suitable examples.
- Q5. How will yoy synthesise the following compound using green route (a) Catechol (b) adipic acid.
- Q6. Water is a green solvent? Expalin.
- Q7. Waht is sonication? What effect is responsible for supplying energy in sonication?
- Q8. What is SEA-NINE 211?
- Q9. Write a reaction of saponification of ester under microwave irradiation.
- Q10. What are the goals of green chemistry?

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