



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE (AUTONOMOUS)
(Grant-in-Aid)

Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester 4) Internal Examination - 2026

US04SEICH01: Introduction To green chemistry

Date: 11th March 2026, Wednesday

Time: 2:45 PM to 3:45 PM

Total marks: 20

Q-1 Choose the most appropriate option.

[06 Marks]

- Which following is not example of Crown ether?
A) 15-crown-5 B) 17-crown-1
C) 12-crown-4 D) 18-crown-6
- What is the molecular formula of Ethylammonium nitrate?
A) 15°C B) 25°C
C) 98°C D) 12°C
- Which reaction is more economical?
A) Microwave B) Photochemical
C) Solidphase D) Electrochemical
- Which solvent commonly used in dry cleaning clothes?
A) Ether B) Perchloroethylene
C) Acetone D) Ethanol
- Claisen rearrangement is example of which reaction?
A) Photochemical B) Electrochemical
C) Solidphase D) Microwave
- The full form of PLA is _____
A) Polylactic Acid B) Poly Lactone Acid
C) Poly Lactic Amide D) Poly Lignin Acetate



Q-2. Answer the following long questions.

[07 Marks]

[A]. Explain twelve principles of green chemistry.

Or

[A]. Explain selection of solvent and selection of reagents.

Q-3 Answer the following long questions.

[07 Marks]

[A]. Explain Synthesis of Paracetamol by conventional method and Green method.

Or

[A]. Explain Basic green catalyst and PTC.

BEST OF LUCK



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US04SEICH01: Introduction to Green Chemistry (Quiz)

Date: 11th March 2026, Wednesday

Roll number: _____

Time: 10 min. Total marks: 05

Supervisor sign _____

1. Bioluminescence reactions which occur mainly in _____.
(Marine animals, Domestic animals)
2. Formation of vitamin D by exposure to sunlight. (True/False)
3. _____ polar solvent is use as environmentally safe. (Water, Benzene)
4. _____ is commonly being used as a solvent for dry cleaning.
($\text{Cl}_2=\text{Cl}_2/\text{CHCl}_3$)
5. Aliquit 300 is used in synthesis of adipic acid. (True/False)

BEST OF LUCK

