

**STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI - 600 086**  
(Effective from the academic year 2015 - 2016)

**COURSE: INDEPENDENT ELECTIVE**

**Department Number: \_\_\_\_\_**

**CODE: 15CH/UI/ IC23**

**TITLE OF PAPER: INDUSTRIAL CHEMISTRY**

**MAX. MARKS: 30**

**TIME: 30 minutes**

**SECTION A**

**TO BE ANSWERED ON THE QUESTION PAPER ITSELF**

**I. Choose the correct option for the following**

- Vegetable ghee is manufactured by
  - Saponification
  - Hydrogenation
  - Oxidation polymerization
  - Reduction polymerisation
- What is the percentage of settleable solids in municipal wastewater?
  - 60 %
  - 70 %
  - 80 %
  - 90 %
- An azo dye is fixed on fabrics by the process applicable in
  - Vat dyes
  - Mordant dyes
  - Developed dyes
  - substantive dyes
- What is the neutral pH?
  - 6.0
  - 7.0
  - 7.5
  - 8.0
- Which of the following polymer is prepared from caprolactum?
  - Nylon 6,6
  - Nylon 11
  - Nylon 6
  - Nylon 9
- Newsprint accounts for about 80% of this grade. What is the type we are talking about?
  - Coated groundwood
  - Tissue
  - Uncoated groundwood
  - Uncoated wood-free paper
- Select the incorrect statement from the following option.
  - Oils are saturated triglyceride
  - Oils have lower melting points
  - Oils are liquid at room temperature
  - Examples of oils are glyceryl trioleate, coconut oil, olive oil, etc



23. The monomers of Buna-S rubber are Styrene and ethylene.
24. Recycled paper is banned for use in food containers.
25. Land filling is an economic alternative for solid waste disposal and it can be implemented easily.

**IV Answer in a line:**

26. Poly unsaturated fatty acid
27. Why burning waste is not an acceptable practice of solid waste management?
28. Write the full form of PET
29. Name any two Azo dyes.
30. List any two applications of paper