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D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1
SEMESTER EXAMINATIONS

JUNE - 2022

19SCH6A

SKILL BASED SUBJECT - IV: INDUSTRIAL CHEMISTRY

Time: 2 Hours

Max. Marks: 50

SECTION – A (10 x 2 = 20)

Answer ALL the questions.

1. What is meant by sterilization?
2. What is the role of emulsifier in ice cream?
3. What are secondary nutrients? Give examples.
4. Define soil alkalinity.
5. What are fertilizers? Give examples.
6. Define compost.
7. What is meant by calorific value?
8. Give the composition of LPG.
9. Write the classification of glasses.
10. Write the composition of cement.

SECTION – B (3 x 10 = 30)

Answer any THREE of the following questions.

11. (a) Discuss in detail about the pasteurization and homogenisation of milk.
(b) How milk powder is manufactured by spray drying method?
12. Explain the following terms.
(i) Soil pH (ii) Soil reclamation (iii) Soil fertility (iv) Soil colloids.
13. (a) Write the preparation and uses of
(i) Urea (ii) Superphosphate of lime and (iii) Triple superphosphate.
(b) Discuss about pyridine and fluoride insecticides.
14. Give the details about the composition, sources and uses of the following.
(i) Semiwater gas (ii) Producer gas
(iii) Biogas (iv) Carburetted water gas.
15. (a) Write short notes on paints and pigments.
(b) Write notes on petrochemicals.

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