

**STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI**

**Course Schedule: June - November 2024**

<b>Department</b>	<b>: CHEMISTRY</b>
<b>Name/s of the Faculty</b>	<b>: DR. SHINY JOHN VAIRAMON*/DR. JANET SABINA X</b>
<b>Course Title</b>	<b>: CHEMISTRY IN EVERYDAY LIFE</b>
<b>Course Code</b>	<b>: 19CH/GE/CE22</b>
<b>Shift</b>	<b>: I</b>

<b>Week &amp; No. of hours</b>	<b>Units &amp; Topics</b>	<b>Teaching Methodology</b>	<b>Text &amp; References</b>	<b>Method of Evaluation</b>
Jun 19 – 26, 2024 (Day Order 1 - 6)  1 Hour*       1 Hour	<b>Food Additives</b> 1.1 Food Colours - Permitted and Non-Permitted       <b>Cosmetics</b> 3.1 Skin Products	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Group discussion
Jun 27 – July 4, 2024 (Day Order 1 - 6) 1 Hour*       1 Hour	1.1 Artificial Sweeteners – Aspartame       3.1 Soaps and Shampoos	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Quiz
July 5 – 12, 2024 (Day Order 1 - 6) 1 Hour*       1 Hour	1.1 Saccharin and Cyclamate       3.1 Creams and Lotions	Lecture, presentation, and Group discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Group discussion

July 15 – 23, 2024 (Day Order 1 - 6) 1 Hour*	1.1 Preservatives - Natural and Synthetic	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Quiz
1 Hour	3.1 Lipstick and Hair Dye			
July 24 – 31, 2024 (Day Order 1 - 6) 1 Hour*	1.1 Flavours – Monosodium glutamate	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Group discussion
1 Hour	3.2 Perfume – General Formulation			
Aug 1 – 5, 2024 (Day Order 1 - 3) 1 Hour	3.2 Deodorants	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Group discussion
Aug 6 – 10, 2024	<b>C.A. Test – I</b>			

Aug 12 – 14, 2024 (Day Order 4-6) 1 Hour*	1.2 Stabilising and Suspending Agents – Gelatine	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Group Discussion
Aug 16 – 23, 2024 (Day Order 1-6) 1 Hour*	1.2 Stabilising and Suspending Agents – Pectin  3.2 Perspirants	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	<b>Other component:</b> Prepare a scrap book containing a) any two food products each to identify and specify the food colours, preservatives, flavours, stabilising and suspending agents b) any three pharmaceuticals from unit 2.1 and state the definition and specify their therapeutic uses <b>(10 marks)</b>
Aug 27 – Sep 3, 2024 (Day Order 1-6) 1 Hour*	1.2 Toxic Effects of Food Additives  3.3 Toxicology of Cosmetics	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Case Study

Sep 4 – 11, 2024 (Day Order 1-6) 1 Hour*	1.2 Toxic Effects of Food Additives  3.3 Toxicology of Cosmetics	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Case Study
Sep 12 - 20, 2024 (Day Order 1- 6)  1 Hour*	<b>2. Pharmaceuticals and Nutraceuticals</b>  Antimalarials, Antipyretics, Analgesics, Antiseptics  Unit 2 <b>Pharmaceuticals and Nutraceuticals</b>  2.2 Nutraceuticals – Vitamins - Water and Fat Soluble	Lecture, presentation, and Group discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	<b>Other component:</b> Preparation and exhibition of any two products (do it yourself) from unit 3.1 and 3.2. <b>(15 marks)</b>
Sep 23 - 26, 2024 (Day Order 1-4) 1 Hour	2.2 Minerals and Trace Elements	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Quiz
Sep 27 – Oct 3, 2024	<b>C.A. Test – II</b>			

Oct 4 – 5, 2024 (Day 5 & 6) 1 Hour*	2.1 Antibiotics- Antacids, Antihistamines	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	<b>C.A. Test (25 marks)</b>
Oct 7 - 15, 2024 (Day Order 1 to 6) 1 Hour*	2.1 Chemotherapy – Definition and Therapeutic Uses  2.2 Antioxidants. Role of Nutraceuticals in Disease Prevention	Lecture, presentation, and discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Quiz
Oct 16 - 22, 2024 (Day Order 1 to 6) 1 Hour*	2.1 Diabetes - Types and Causes	Lecture, presentation, and Group discussion	Gem Mathew G.D. Chemistry in Everyday Life. Jalandhar-Delhi: Vishal, 2009 Chakrabarty, B.N. Industrial Chemistry. New Delhi: Shiv Narain, 2002. Sharma B. K. Industrial Chemistry. Meerut: GOEL Publishing House, 2000	Group Discussion
Oct 23 - 24, 2024 (Day Order 1 to 2)	<b>REVISION</b>			