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| c.         | Discuss the applications of ceramics.                          | 04          |
| <b>Q-5</b> | <b>Attempt all questions</b>                                   | <b>(14)</b> |
| a.         | Discuss the classification of insecticides with examples.      | 07          |
| b.         | Write the synthesis of Malathion.                              | 07          |
| <b>Q-6</b> | <b>Attempt all questions</b>                                   | <b>(14)</b> |
| a.         | Write a short note on role of primary and secondary nutrients. | 05          |
| b.         | Explain chemical properties of Glass.                          | 05          |
| c.         | Explain Regenerative Tank furnace.                             | 04          |
| <b>Q-7</b> | <b>Attempt all questions</b>                                   | <b>(14)</b> |
| a.         | Write the synthesis and uses of parathion .                    | 07          |
| b.         | Write the manufacturing process and uses of DDT.               | 07          |
| <b>Q-8</b> | <b>Attempt all questions</b>                                   | <b>(14)</b> |
| a.         | Discuss production of NPK fertilizer with flow diagram.        | 05          |
| b.         | Explain various raw materials used in Glass.                   | 05          |
| c.         | Write the physical properties of glass and ceramics.           | 04          |

