$(2 \times 3 - 6)$ B. Answer any 2 questions from 25 to 27. Each carries 3 scores. 25. (1) What are Grignard reagents? **(ii)** (2)(iii) State Saytzeff rule and illustrate it with an example. (1)26. Alcohols and phenols have higher boiling points. Why ? O (2)What is aspirin? How is it prepared from salicylic acid? (iii) 27. (I) (11) Identify A and B in the following reaction - CH3 + HI --- A + B What is meant by hydroboration - oxidation reaction ? Illustrate it with an example. (2)PART-IV Asswer any 3 questions from 28 to 31. Each carries 4 scores.  $(3 \times 4 - 12)$ (1)28 Giv. What are secondary batteries? Write the electrode reactions and the overall cell reaction happening in the lead (iii) (3)storage battery when it is in use. 29. "CD Distinguish homogeneous and heterogeneous catalysis. (2) (ii) Explain Tyndal effect. Write any one practical application of this effect. (2)30. (i) Write chemical equations involved in the leaching of alumina from bauxite. (3) (ii) What is the purpose of adding cryolite or CaF, into purified Al<sub>2</sub>O<sub>3</sub> during the extraction of Al? (1) 31 (11) What are oligosaacharides? Give an example. (2)(11) What is glycogen? (1) Explain the chemical constitution of starch. (1)SY-25

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