

Roll No. ....

**Y – 3138**

**M.Sc. (Chemistry) Fourth Semester EXAMINATION,**

**May/June-2021**

Paper – 602

**POLYMER**

*Time : Three Hours*

*Maximum Marks : 85*

*Minimum Pass Marks : 29*

**Note**—Attempt *all* questions.

**Unit-I**

1. Describe the polymerization process in heterogeneous systems. 17

**Unit-II**

2. Describe the light scattering method for the determination of molecular weight of polymer. 17

**Unit-III**

3. Explain hardness and abrasion resistance of polymeric materials in detail. 17

**Unit-IV**

4. Write a short note on structure and applications of carboranes. 17

**Unit-V**

5. Write a detail note on polyphosphates. 17

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