

## ES-3740

**M. Sc. (Fourth Semester) Special Examination, 2020**

**CHEMISTRY / APPLIED CHEMISTRY**

***Paper : Course-V (MCH-404-b) (Optional)***

**(Polymers Chemistry)**

***Maximum Marks : 35***

***Note:*** Attempt all questions. Each question carries equal marks.

1. Name two initiators for anionic, cationic and free radicals polymerization. Show how do they generate ions/radicals.
2. How structure of polymer is determined by X-ray diffraction technique?
3. Discuss crystal structure of polymers as well as its physical properties.
4. Write a short note on processing techniques of polymers.
5. Describe about functional polymers with examples.