



AAC-2107 Seat No. _____

M. Sc. (Sem. IV) Examination

April - 2019

CHN - 702(O) : Organic Chemistry : Paper - II

Time : 3 Hours]

[Total Marks : 70

Instruction : All questions carry equal marks.

- 1 Answer any two : 14
- (1) Explain the process of refining of crude oil.
 - (2) Write a note on aromatic chemicals production. What is Kapron ?
 - (3) Classify synthetic fibers. Give an account for manufacture of Terylene.
- 2 (a) Answer any one : 4
- (1) What is paints ? Classify paints and write a note on fire retardate paints.
 - (2) Write short note on varnishes raw materials.
- (b) Answer any two : 10
- (1) Give account of toxic chemicals used in war.
 - (2) Describe the manufacture of TNT and picric acid.
 - (3) What are explosives ? Give their characteristics and classification.

- 3 Answer any three : 14
- (1) Write a note on cyclization reactions. What is a chain transfer reactions ?
 - (2) Explain the type of polymerization. Discuss type of polyester resins.
 - (3) Give a detail account of co-polymers of ethylene.
 - (4) Give classification of plastics. Distinguish isotactic, syndiotactic and atactic polymers.
- 4 Answer any three : 14
- (1) How can you prepare shoe polish ?
 - (2) Give the steps and tips for stain removal.
 - (3) Write on small scale manufacture of Napthalene balls and wax candles.
 - (4) Describe soap manufacturing process.
- 5 Answer any seven : 14
- (1) Explain substitution polymer reaction.
 - (2) What is emulsion paints ?
 - (3) Which are use of urotropin ?
 - (4) Explain cloud point.
 - (5) What is Gun Powder ?
 - (6) Which are different types of detergents ?
 - (7) What is cordite ? Explain.
 - (8) What are live polymer ?
 - (9) Give the classification of explosives.
 - (10) How prepared dimethyl terphthalate ?