



EEH-303004

Seat No. _____

M. Sc. (Sem. III) Examination

November/December - 2021

**MSC1C304 : Industrial Chemistry
(New Course)**

Time : $1\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 Answer any two. 14
- (a) What is Bhopal gas tragedy discuss the hazards caused by fire in industries.
 - (b) Write a note on batch operation and continuous operation with its importance.
 - (c) Write a note on patent and its importance.
- 2 Answer any two. 14
- (a) Discuss the amination by ammonolysis and reduction.
 - (b) Discuss the nitration reaction and its application in dyes industry.
 - (c) Write a brief note on halogenation of green chemistry.
- 3 Answer any two. 14
- (a) Write a brief note on O-alkylation and N-alkylation.
 - (b) Write a brief note on principal of green chemistry.
 - (c) Discuss Michael and diels alder reaction on the basis of green chemistry.
- 4 answer any two. 14
- (a) Write a note on fungicides weedicides.
 - (b) Discuss various types of filtration.
 - (c) Write a note on plant nutrients and hormones.
- 5 Answer the following questions. 14
- (1) Define GLP & GMP.
 - (2) Give the two name of unit operation ?
 - (3) What is weedicide ?

- (4) What is margarine ?
 - (5) Give reaction of nitration.
 - (6) What is world-patent ?
 - (7) What is pilot-plant ?
 - (8) What is NPPC ?
 - (9) Give example of exothermic reaction
 - (10) What is ammonolysis ?
 - (11) Give reaction of Diels Alder reaction
 - (12) Give three names of explosives
 - (13) What is liquid glucose ?
 - (14) Give example of natural insecticides.
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