B.Sc Msc CHEMISTRY
SCLS JAMIA HAMDARD
SEMESTER V EXAMINATION 2020
PAPER CODE; BCH-DSE05TH
PAPER TITLE; GREEN CHEMISTRY

Time; 3h **Maximum Marks;75**

Q.1 Answer *All* the following question briefly **(10X1.5=15)**

i. What is the Goal of Green Chemistry?
ii. What is PEG?
iii. What is C2S3?
iv. Name one Green solvent.
v. What is biocatalyst?
vi. What is super critical fluid?
vii. Why DDT is considered as non green compound?
viii. Name a green technique by which we can reduce the use of Energy
ix. Name a green technique by which we can reduce the use of solvent
x. Name any green analytical tool to characterize organic molecule.

Q.2 Answer *any one* out of two in details **15**

i. Explain twelve principals of Green Chemistry.
ii. Explain how we can achieve the goals of reduction of wastes, energy and solvents with the help of Green Chemistry.

Q.3 Answer *any one* out of two in details **15**

i. Explain the use of CO_2 as super critical fluid

ii Explain the advantages and disadvantages of Microwave synthesis.

Q.4 Answer *any one* out of two in details **15**

i) Explain cradle to cradle carpeting approach in green chemistry

ii) Explain the Green synthesis of Adipic Acid, Strecker synthesis and simmon-smith reaction.

Q.5 Answer *any one* out of two in details **15**

i) "Green Chemistry & Sustainable development are two sides of a coin" Explain the statement.

ii) Explain Co-crystal controlled solid state synthesis.

.....X.....