



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)  
Re-accredited (2<sup>nd</sup> Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

## Backlog Arrear Examination, March 2021

CHS 1252

CHEMISTRY IN TODAY'S WORLD

Time: 2 Hours

Max Marks: 60

Answer any FOUR Questions

(4 X 15 = 60)

1. a) Discuss about Hardness of water and its disadvantages.  
b) How water is purified by reverse osmosis process ? [8+7]
2. a) Write note on Paints and Varnishes  
b) Explain the properties of inks. [8+7]
3. a) Discuss the composition of blood.  
b) Write about diabetes types.  
c) How MRI scan plays the role in clinical chemistry? [4+5+6]
4. a) Explain about natural and organic manures.  
b) What are the effects of excess fertilization and manuring in agriculture ? [8+7]
5. a) Write the biological importance of minerals and trace elements.  
b) What are vitamins ? How is it classified ? Write its functions. [7+8]
6. a) Write the function of fungicides and rodenticides.  
b) What are the constituents and applications of adhesives ? [7+8]

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