



**TAMIL NADU OPEN UNIVERSITY**  
**School of Science**  
**Department of Chemistry**

**B.Sc., Chemistry - Third Year**

**SPOT ASSIGNMENT**

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Course	Course Code	Admission Year
<b>Inorganic Chemistry</b>	<b>BCHE-31</b>	<b>AY 2017-18</b>

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**Total Marks: 25**

**Answer ALL Questions**

	Marks
1. Explain about the classification of Solids.	(5)
2. Discuss about the terminologies involved in Coordination Chemistry	(5)
3. Describe about the solvents and its classifications	(5)
4. Explain in details about the radiometric dating and nuclear reactions	(10)

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Course	Course Code	Admission Year
<b>Organic Chemistry</b>	<b>BCHE-32</b>	<b>AY 2017-18</b>

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**Total Marks: 25**

**Answer ALL Questions**

- |  | Marks |
|--|-------|
| 1. Discuss about the chemistry of Furan and Pyridine.                              | (5)   |
| 2. What are the terms involved in Reterosynthesis                                  | (5)   |
| 3. Describe about the Optical activity with an example                             | (5)   |
| 4. What is chemical shift and coupling constant? What are the factors affect them? | (10)  |

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Course	Course Code	Admission Year
<b>Physical Chemistry</b>	<b>BCHE-33</b>	<b>AY 2017-18</b>

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**Total Marks: 25**

**Answer ALL Questions**

- |   | Marks |
|---|-------|
| 1. What are the terms involved in thermodynamics.                                       | (5)   |
| 2. Discuss about the electrode potential.   | (5)   |
| 3. Describe about the types of molecular spectra.                                       | (5)   |
| 4. Explain in detail about the classifications, properties and applications of Colloids | (10)  |

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