

**Anjuman Islam Janjira Degree College of Science**  
**Murud-Janjira, Raigad-402401**  
**Affiliated to University of Mumbai**

<b>Class: -S.Y.B.Sc C.S</b>	<b>Subject: - Green Technologies</b>
<b>Semester:- III</b>	<b>Course code: -USCS3072</b>
<b>Exam Event:- Winter 2023 (SH)</b>	<b>Marks: -75</b>
<b>Date: - 25/10/2023</b>	<b>Duration: - 02:30 Hours</b>

- N.B. – 1 – All questions are compulsory.**  
**2 – All questions have internal choice.**  
**3 – Figures to the right indicate full marks.**

**Q1. Answer the following question (4 out of 6)**

**20**

- 1) Define green value? Discuss the Challenges of a carbon economy.
- 2) Explain business ecosystem and new market opportunities.
- 3) Elaborate in details of mobility and environment in brief.
- 4) What are Green Assets? Explain its types and their impact on environment.
- 5) Discuss Sociocultural and Political issues of green technology.
- 6) Explain the following:
  - a) SMART
  - b) Green Business Objectives
  - c) Transformation plan
  - d) Strategy Description

**Q2. Answer the following question (4 out of 6)**

**20**

- 1) Explain Green SOA in detail.
- 2) Discuss cloud computing and data centers.
- 3) Describe end-user devices and smart meters in real time.
- 4) What is difference between data server optimization and data server virtualization.
- 5) What is GISCM? What are the advantages of GISCM?
- 6) Write a short note on BPM factors.

**Q3. Answer the following question. (4 out of 6)**

**20**

- 1) Describe use of CEMS with respect to audits.
- 2) What are the areas of cloud computing that have potential for reducing carbon emission.
- 3) Explain ISO and ECO design.
- 4) Briefly elaborate the nanotechnology, quantum computing and renewable energies.
- 5) What is GIS? Explain their phases in GIS development and deployment
- 6) Elaborate the aspect of measurement needs to verify and validate in green audit?

**Q4. Answer the following question. (5 out of 6)**

**15**

- 1) ERBS
- 2) Explain level of CMM. Write down what is Demolish.
- 3) Green IT Governance.
- 4) List down the techniques that could be considered by organization for server optimization.
- 5) Explain Green IT for Efficiency.
- 6) Explain the following:
  - 1) Procurements
  - 2) Operate
  - 3) Dispose