

Reg. No.....

Name.....

BA, BSC, BCOM, BBA DEGREE END SEMESTER EXAMINATION - OCTOBER 2025**UGP (HONS.) SEMESTER - 3: VALUE ADDITION COURSE****COURSE: 24UBCAVAC201 - GREEN COMPUTING***(For Regular 2024 Admission)*

Time: 1 Hours

Max. Marks: 35

PART A**Answer any 5 Questions. Each question carries 2 marks****(2 x 5 = 10)**

1. Identify two harmful materials commonly found in electronic devices. (R, CO1)
2. State two objectives of Green Data Centers. (R, CO3)
3. Explain how Green Cloud Computing supports sustainability. (U, CO1)
4. Describe one role of eco-labelling in IT products. (U, CO1)
5. List two activities in the “transportation” phase of a device lifecycle that affect the environment. (R, CO2)
6. Point out two measures that extend the usable life of hardware. (R, CO2)
7. Explain how re-manufacturing contributes to a green device strategy. (U, CO2)

PART B**Answer any 3 Questions. Each Question carries 5 marks****(5 x 3 = 15)**

8. Illustrate the relationship between sustainable development and Green IT. (U, CO1)
9. Compare green PC's with Green Software in achieving energy savings. (An, CO3)
10. Assess the environmental benefits of reuse and refurbishing in hardware Lifecycle. (An, CO2)
11. Discuss the impact of device packaging and transport on global e-waste. (U, CO2)
12. Examine the significance of designing devices with recyclability in mind. (An, CO2)

PART C**Answer any 1 Question****(10 x 1 = 10)**

13. Examine the role of Green Data Storage techniques such as tiered storage, de-duplication and thin Provisioning in improving energy efficiency. (An, CO3)
14. Discuss storage virtualization in detail and evaluate its contributions to Green IT. (An, CO3)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Mark s
CO1	Explain the concept of green computing and environment sustainability	U	1,3,4,8	11
CO2	Assess the benefits of Going Green.	U	5,6,7,10,11,12	21
CO3	Evaluate the importance and benefits of Paperless work	An	2,9,13,14	27

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U-UNDERSTAND;
R - REMEMBER;
