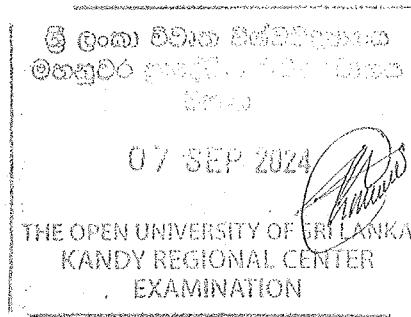The Open University of Sri Lanka
B.Sc. (IT) Degree Programme – 2023/2024
Department of Computer Science
ISU5301 - Industry Sustainability and Law
No Book Test 1
Duration: One hour only (1 hour)

032

Date: 07.09.2024   Time: 01.00 p.m. – 02.00 p.m.

ANSWER ALL QUESTIONS   **Index Number:** ....
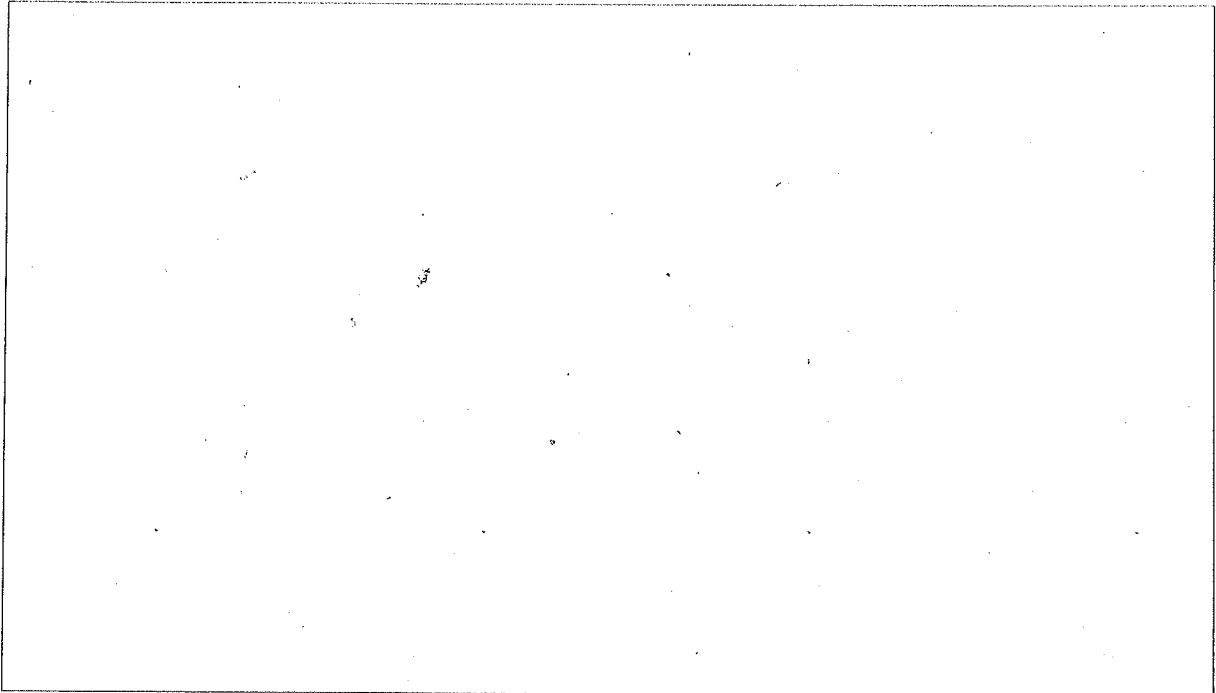
1. Define what is sustainability and mention two (02) example sustaibnable development goals which is introduced by United Nations ? (10 Marks)

2. What are the three (03) pillars of sustainability and provide IT related examples for each.

(10 marks)

3. Indicate impact of IT design on culture and environment by providing examples for each (08 Marks)

4. What are the ways that we can mitigate impact of e - waste (12 Marks)

i. ....
....

ii. ....
....

iii. ....
....

iv. ....
....

5. State five (05) key principles of sustainable design? (10 Marks)

    i.   ....

    ii.   ....

    iii.   ....

    iv.   ....

    v.   ....

6. Define what is telecommuting and mention two (02) benefits and two (02) challenges of it?
(10 Marks)
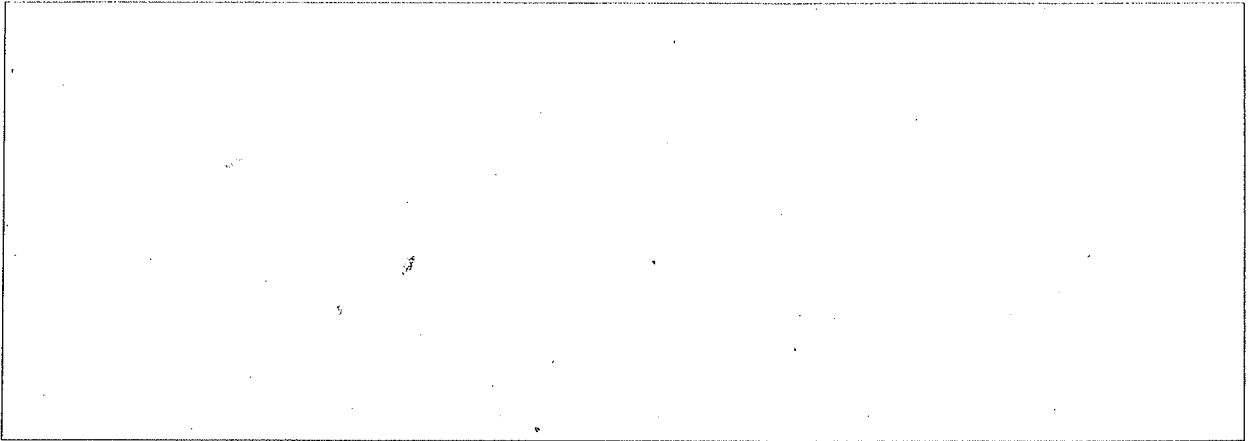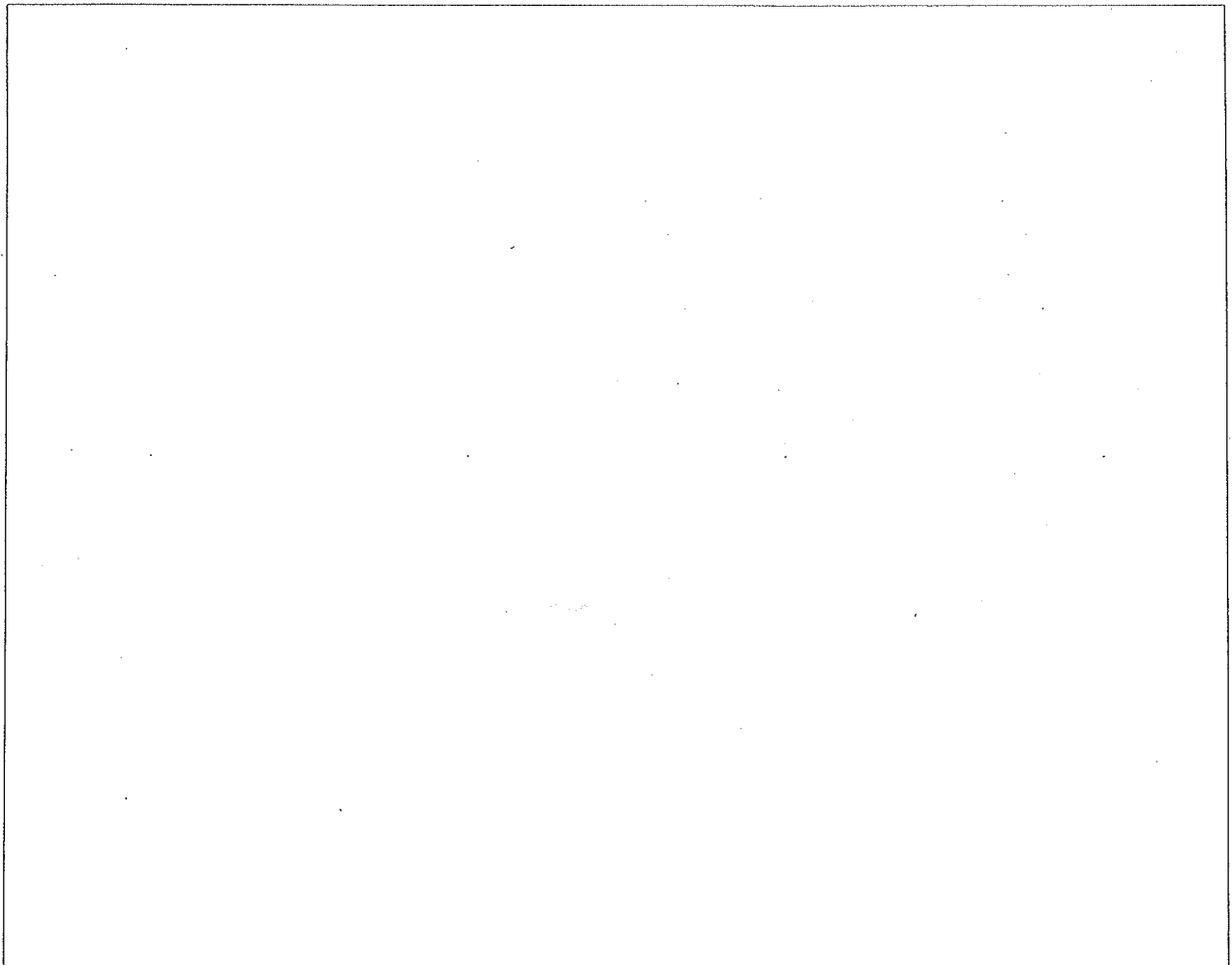
7. State what are the key considerations in Algorithm design? (06 Marks)

8. Briefly explain four (04) example applications of computing to environmental issues?
(16 Marks)

9. What are the four (04) key factors that contribute to the discrepancy between cost estimates and actual costs in the computing domain? (08 Marks)

i. ....

ii. ....

iii. ....

iv. ....

10. State five (05) pricing strategies that computing firms can often implement? (10 Marks)

i. ....

ii. ....

iii. ....

iv. ....

v. ....

** End of the Paper**