**Institute of Information Technology**

Class Test: 2 Course Algorithm Analysis (ICT-2201) Total Marks: 10

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| (1) | Justify the statement ─ “Fractional knapsack problem has the greedy-choice property”. | 4 |
| (2) | Define *activity selection problem* | 2 |
| (3) | Draw the solution space for the subset sum problem of the instance S= { 2, 3, 6, 7} and d= 13 | 4 |

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