

Assignment -3

Note: Each example carries 1 mark. (Total 15 marks)

Question 1

Right from traditional times till now, every innovation is done for making the life of a person more easier or comfortable. But in an innovation many tradeoff parameters are involved out of which major ones are time, space and energy. Moreover, every innovation is done at the cost of matter in terms of impact on society, environment, market etc.

Enlist at least 15 examples of such innovations and tradeoff of terms of time, space, energy and matter parameters for enlisted innovation. The tradeoff at each instance must be supported with suitable explanation.

Innovation Example	Impact on time parameter with explanation	Impact on space parameter with explanation	Impact on Energy parameter with explanation	Impact on matter parameter with explanation	Target of optimization

Assignment -4

Total 15 marks

Note: Question carries 8 marks and remaining 7 marks of assignment 4 has been considered for Lecture activities.

Question 1 Discuss the steps you would take to make Patiala as a smart city. Explain every point with proper explanation and also provide a pictorial representation of the proposed model.