Total No. of Questions : 4]	290	SEAT No.:	
PA-10039		「Total	No. of Pages :

[6009]-321 T.E. (Civil) (Insem)

SOLID WASTE MANAGEMENT

(2019 Pattern) (Semester - II) (Elective - II) (301015F)

Time: 1 Hour] [Max. Marks : 30] Instructions to the candidates Attempt 0.1 or 0.2 and 0.3 or 0.4. *2*) Figures to the right indicate full marks. 3) Draw neat figures wherever necessary. Assume necessary data. *4*) Use of scientific calculator is allowed. **Q1**) a) Define solid waste and explain functional elements of SWM. [5] b) Explain proximate and ultimate analysis [5] What are the factors affecting generation rate of solid waste? [5] c) What is the functional outline of SWM? **Q2**) a) [5] b) Explain role of urban local bodies in solid waste management. [5] Write short note on: Sustainable solid waste management for smart cities.[5] c) List out the factors to be considered while deciding collection efficiency **Q3**) a) in a SWM system. What are the different factors that must be considered in the design of b) transfer station? [5] How to do optimization of route during transportation of Solid Waste?[5] c) OR List out the factors to be considered in selecting solid waste collection **Q4**) a)



What is role of Swachhta & rural engagement cell (SESREC)?

[5]

[5]

[5]

equipment?

b)

c)

What is the necessary of transfer station?