Bce imp

1. What is solid waste management? Discuss in brief the classification of solid waste.(R5)
2. Discuss the types of traffic signs and draw traffic sign for speed limit,no-parking and cross road.(R4)
3. Explain smart city and its features.(R4)
4. Enlist and explain principles of planning in detail (R4)
5. What is whole circle bearing(W.C.B) and quadrantal bearing(Q.B)? Or Enlist and explain types of bearing with neat sketch .(R4)
6. What is a role of civil engineer in the society? (R3)
7. Why the town planning is essential and necessary? (R3)
8. Write short note on BRTS (R3)
9. Enlist various types of civil engineering materials. Discuss types,properties and uses of cement.(R3)
10. Write short note on FSI (R3)
11. Define zoning. Write objectives, advantages and principles of zoning. (R3)
12. Briefly outline characteristics and effects of slum. What are the main reasons for the formation of slums? (R3)
13. Enlist types of bonds in brick masonry. Draw a neat sketch of english bond and explain it(R3)
14. Discuss Branches of Civil Engineering (R2)
15. Enlist different types of foundation and explain Open footing (R2)
16. Explain concept and functions of smart cities (R2)
17. Write a short note on rain water harvesting systems. (R2)
18. Enlist various instruments used in linear measurement.(R2)
19. Explain the classification of buildings in detail.(R2)
20. Describe primary division of surveying (R2)
21. Enlist Instruments used in chain surveying (R2)
22. Differentiate between plane survey and geodetic survey.(R2)
23. Define Remote Sensing. Give the applications of remote sensing.(R2)
24. Explain Energy efficient Building(R2)
25. Draw sketch of RCC beam (R2)
26. What are different types of brick bonds? Explain any one.(R2)
27. Draw sketch of Dumpy level and show all parts(R2)
28. Describe mass transportation systems.(R2)
29. Explain with neat sketch key plan, site plan, and layout plan(R2)
30. Define contour.Describes characteristics of contour in brief(R2)
31. Enlist and explain various types of loads acting on building

- **R2= 2 time repeated, R4 = 4 time repeated***

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Numericals

1. example of included angle(F.B & B.B):
2. example of levelling(rise and fall method): Rise Fall Method ...
3. example of chain survey

- *** Any one type of numerical asked for 7 marks ***

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