Assignment 3

1. A steel beam is required to support a 10 kN load at the end of a 4 m span. Select the most suitable section to carry this load.

2. A steel column is required to support a 50 kN load at the end of a 6 m span. Select the most suitable section to carry this load.

3. A steel beam is required to carry a 20 kN load at the end of a 5 m span. Select the most suitable section to carry this load.

4. A steel beam is required to carry a 30 kN load at the end of a 7 m span. Select the most suitable section to carry this load.

5. A steel beam is required to carry a 40 kN load at the end of a 8 m span. Select the most suitable section to carry this load.

6. A steel beam is required to carry a 50 kN load at the end of a 10 m span. Select the most suitable section to carry this load.

7. A steel beam is required to carry a 60 kN load at the end of a 12 m span. Select the most suitable section to carry this load.

8. A steel beam is required to carry a 70 kN load at the end of a 15 m span. Select the most suitable section to carry this load.

9. A steel beam is required to carry a 80 kN load at the end of a 18 m span. Select the most suitable section to carry this load.

10. A steel beam is required to carry a 90 kN load at the end of a 21 m span. Select the most suitable section to carry this load.

11. A steel beam is required to carry a 100 kN load at the end of a 24 m span. Select the most suitable section to carry this load.

12. A steel beam is required to carry a 110 kN load at the end of a 27 m span. Select the most suitable section to carry this load.

13. A steel beam is required to carry a 120 kN load at the end of a 30 m span. Select the most suitable section to carry this load.

14. A steel beam is required to carry a 130 kN load at the end of a 33 m span. Select the most suitable section to carry this load.

15. A steel beam is required to carry a 140 kN load at the end of a 36 m span. Select the most suitable section to carry this load.

16. A steel beam is required to carry a 150 kN load at the end of a 39 m span. Select the most suitable section to carry this load.

17. A steel beam is required to carry a 160 kN load at the end of a 42 m span. Select the most suitable section to carry this load.

18. A steel beam is required to carry a 170 kN load at the end of a 45 m span. Select the most suitable section to carry this load.

19. A steel beam is required to carry a 180 kN load at the end of a 48 m span. Select the most suitable section to carry this load.

20. A steel beam is required to carry a 190 kN load at the end of a 51 m span. Select the most suitable section to carry this load.

21. A steel beam is required to carry a 200 kN load at the end of a 54 m span. Select the most suitable section to carry this load.

22. A steel beam is required to carry a 210 kN load at the end of a 57 m span. Select the most suitable section to carry this load.

23. A steel beam is required to carry a 220 kN load at the end of a 60 m span. Select the most suitable section to carry this load.

24. A steel beam is required to carry a 230 kN load at the end of a 63 m span. Select the most suitable section to carry this load.

25. A steel beam is required to carry a 240 kN load at the end of a 66 m span. Select the most suitable section to carry this load.

26. A steel beam is required to carry a 250 kN load at the end of a 69 m span. Select the most suitable section to carry this load.

27. A steel beam is required to carry a 260 kN load at the end of a 72 m span. Select the most suitable section to carry this load.

28. A steel beam is required to carry a 270 kN load at the end of a 75 m span. Select the most suitable section to carry this load.

29. A steel beam is required to carry a 280 kN load at the end of a 78 m span. Select the most suitable section to carry this load.

30. A steel beam is required to carry a 290 kN load at the end of a 81 m span. Select the most suitable section to carry this load.

31. A steel beam is required to carry a 300 kN load at the end of a 84 m span. Select the most suitable section to carry this load.

32. A steel beam is required to carry a 310 kN load at the end of a 87 m span. Select the most suitable section to carry this load.

33. A steel beam is required to carry a 320 kN load at the end of a 90 m span. Select the most suitable section to carry this load.

34. A steel beam is required to carry a 330 kN load at the end of a 93 m span. Select the most suitable section to carry this load.

35. A steel beam is required to carry a 340 kN load at the end of a 96 m span. Select the most suitable section to carry this load.

36. A steel beam is required to carry a 350 kN load at the end of a 99 m span. Select the most suitable section to carry this load.

37. A steel beam is required to carry a 360 kN load at the end of a 102 m span. Select the most suitable section to carry this load.

38. A steel beam is required to carry a 370 kN load at the end of a 105 m span. Select the most suitable section to carry this load.

39. A steel beam is required to carry a 380 kN load at the end of a 108 m span. Select the most suitable section to carry this load.

40. A steel beam is required to carry a 390 kN load at the end of a 111 m span. Select the most suitable section to carry this load.