Assignment 5

Unit 6 - Week 5. TTT and CCT curves, heat treatments, Introduction to mechanical properties

Course outline

1. Work of the following is even for Martensitic phase in Fe-C system
   a. Carbides
   b. Austenite
   c. Ferrite
   d. Pearlite

2. Which of the following characteristic(s) features TTT diagram?
   a. Peritectic reaction
   b. Continuous transformation
   c. Enthalpy change
   d. Phase change

3. Which of the following characteristic(s) features CCT diagram?
   a. Transformation start temperature
   b. Transformation finish temperature
   c. Enthalpy change
   d. Phase change

4. TTT diagram and CCT diagram is represented by addition of cooling elements. Information about structure change can be used to design heat treatment temperatures and cooling rates to control microstructure and properties of steel.

5. Which of the following characteristic(s) features TTT diagram?
   a. Transformation start temperature
   b. Transformation finish temperature
   c. Enthalpy change
   d. Phase change

6. Which of the following characteristic(s) features CCT diagram?
   a. Transformation start temperature
   b. Transformation finish temperature
   c. Enthalpy change
   d. Phase change

7. Which of the following characteristic(s) features TTT diagram?
   a. Transformation start temperature
   b. Transformation finish temperature
   c. Enthalpy change
   d. Phase change

8. Which of the following characteristic(s) features CCT diagram?
   a. Transformation start temperature
   b. Transformation finish temperature
   c. Enthalpy change
   d. Phase change

9. Which of the following characteristic(s) features TTT diagram?
   a. Transformation start temperature
   b. Transformation finish temperature
   c. Enthalpy change
   d. Phase change

10. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

11. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

12. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

13. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

14. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

15. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

16. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

17. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

18. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

19. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

20. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

21. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

22. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

23. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

24. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

25. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

26. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

27. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

28. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

29. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

30. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

31. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

32. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

33. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

34. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

35. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

36. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

37. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

38. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

39. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

40. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

41. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

42. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

43. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

44. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

45. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

46. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

47. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

48. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

49. Which of the following characteristic(s) features TTT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change

50. Which of the following characteristic(s) features CCT diagram?
    a. Transformation start temperature
    b. Transformation finish temperature
    c. Enthalpy change
    d. Phase change