Assignment 6

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

1. The stage of creep in which the work hardening effect dominates over recovery is
   a) Cool
   b) Brisk
   c) Fast
   d) All of the above
   No, the answer is incorrect.

2. High energy fractures of ductile metals such as mild steel after tensile test under ambient condition exhibit
   a) Dimpling
   b) Cleavage facets
   c) Intergranular fracture
   d) Brittle fracture
   No, the answer is incorrect.

3. Fractography of the fractured surface of the failed component
   a) Helps to identify the possibility of overheating during service condition
   b) Helps to make the fractured surface flat
   c) Helps to identify if material had desired set of properties
   d) Helps to identify the possibility of overheating during service condition and if material had observed set of properties
   No, the answer is incorrect.

4. Environmental stress corrosion is used to determine
   a) Plastic strain
   b) Stress magnitude
   c) Notion yield
   d) All of the above
   No, the answer is incorrect.

5. Spacing between the beach marks indicates
   a) Extent of load fluctuation
   b) Type of stress applied
   c) Mode of failure
   d) Percentage elongation before fracture
   No, the answer is incorrect.

6. Rachet marks of the fracture surface are generally found in case of
   a) Static loading
   b) Fatigue loading
   c) Notoriously increasing tensile loading
   d) Cyclic loading
   No, the answer is incorrect.

7. Benefit of absence moisture of fractured surface is that
   a) Provides high resolution
   b) It often high depth of field
   c) It does not require surface preparation
   d) All of above
   No, the answer is incorrect.

8. Generally, priority for the sample collection for metallographic study of fracture is given to
   a) Fractured surface where crack ends
   b) Crack initiation site
   c) Crack growth sites
   d) All near the edge of fractured component
   No, the answer is incorrect.

9. Generally, single phase microstructure of aluminium alloys expected to offer
   a) Low percentage elongation
   b) Good toughness
   c) High strength
   d) Law ductility
   No, the answer is incorrect.

10. Decarburization of steel leads to
    a) Reduce the hardness
    b) Reduce the ultimate tensile strength
    c) Reduce the yield strength
    d) All of above
    No, the answer is incorrect.

Due on: 2020-04-06, 23:58 IST.