Multiple Choice Questions

Unit 1 Linear Measurements, Tolerance and Gauging

1. Which of the following is not a line standard?

a) Yard

b) Meter

c) Precision scale

d) Length bar

2. What is the length of the Imperial standard yard?

a) 38 m

b) 38 mm

c) 38 inches

d) 38 cm

3. Which of the following is incorrect about line standard?

a) These are legal standards

b) A round recess, half inch away from the ends is cut at both ends

c) Slope at the ends is zero

d) Points of supports are called ‘Airy’ points

5. Which of the following option is correct about straight edges?

a) Deflection be minimum at the centre

b) Deflection be maximum at the centre

c) Deflection be minimum at right most part

d) Deflection be minimum at left most part

6. What is the distance between supports for a simply supported beam? (where L is length of the bar)

a) 0.557 L

b) 0.554 L

c) 0.575 L

d) 0.577 L

7. Which of the following is incorrect about the metre (line standard)?

a) It is inoxidisable

b) Kept at 10oC

c) Supported by two rollers

d) Have a web type section

8. By which material metre (line standard) bar is made of?

a) Bronze

b) Platinum

c) Platinum-bronze alloy

d) Platinum-iridium alloy

9. Which of the following is not end standard?  
a) Precision scale  
b) Length bars  
c) Slip gauges  
d) Gap gauges

10. Which of the following is incorrect about end standards?  
a) End of micrometer anvil is the end standard  
b) It is difficult to form 2 parallel surfaces at the end of a bar  
c) Slip gauges were made of more length than legal line standard  
d) It is difficult to heat treat the ends