

Duration: 90 Mins

Total Marks: 30

Q.ID: ITISKILL2424GB

1. What is 7 with expression of fit 30H7/g6?

- A) Shaft and hole tolerance    B) Shaft tolerance grade  
C) Shaft and hole allowance    D) Hole tolerance grade

**Answer: D) Hole tolerance grade**

2. What is the process of increasing carbon percentage on the surface of low carbon steel?

- A) Tempering                      B) Nitriding  
C) Carburizing                      D) Hardening

**Answer: C) Carburizing**

3. Which one of the advantage of mass production?

- A) Gauges are to be used        B) Jigs and fixture are needed  
C) Time for manufacturing of    D) Special purpose  
components is reduced        machinery are necessary

**Answer: C) Time for manufacturing of components is reduced**

4. Which metal is to be case hardened?

- A) Alloy steel parts                B) Cast iron (heavy parts)  
C) Low carbon steel parts        D) High carbon steel

**Answer: C) Low carbon steel parts**

5. What is the heating temperature in gas nitriding process?

- A) Up 500 Degree Celsius        B) Up 400 Degree Celsius  
C) Up 300 Degree Celsius        D) Up 200 Degree Celsius

**Answer: A) Up 500 Degree Celsius**

6. Which deviation is zero in hole basis system?

- A) Both upper and lower        B) Lower deviation is zero  
deviation is below basic size  
C) Both upper and lower        D) Upper deviation is zero  
deviation is zero

**Answer: B) Lower deviation is zero**

7. Which is used to prevent concentration of abrasives on lapping surface?

- A) Absorber                          B) Retainer  
C) Vehicle                            D) Holder

**Answer: C) Vehicle**

8. What is the hole basis system?

- A) Size of hole is constant        B) Size of both hole and  
shaft are varied

C) Size of the hole is varied    D) Size of shaft is constant

**Answer: A) Size of hole is constant**

9. Which one of the following is the solid carburizing material?

- A) Charcoal                          B) Petrol  
C) Ammonia                          D) Kerosene

**Answer: A) Charcoal**

10. What is the type of fit if minimum size of the shaft is larger than maximum size of hole?

- A) Running                          B) Clearance  
C) Interference                      D) Transition

**Answer: C) Interference**

11. Why heat treatment of metal is necessary?

- A) To make good                      B) To make the metal rust-  
appearance on the                    proof  
component  
C) To increase strength of        D) To produce certain  
the metal                                desired properties

**Answer: D) To produce certain desired properties**

12. In Which case hardening process the ammonia gas is introduced?

- A) Gas nitriding                      B) Induction hardening  
C) Cyaniding                          D) Carburizing

**Answer: A) Gas nitriding**

13. Which one of the following is disadvantages of taper turning by attachments?

- A) Both external and internal    B) Power feed can be  
tapers can be produced            produced  
C) Only limited taper angle        D) Length taper can be  
can be turned                          produced

**Answer: C) Only limited taper angle can be turned**

14. What is the representation of zero line in limit and fits?

- A) Actual size                        B) Basic size  
C) Nominal size                      D) Tolerance size

**Answer: B) Basic size**

15. What is 'L' in tailstock offset method?

- A) Length of the job                B) Length of the taper

