Multiple Choice Questions focuses on “Guide for Selection of Fits”.

1. Which of the following is not true for hole and shaft basis systems?

a) Hole basis system is generally preferred over shaft basis system

b) Shaft basis system can be used when products are made from bright drawn bars

c) Choice of the system depends upon nature of the product

d) In hole basis system, allowances are applied to the hole

2. Which of the following grade of a hole is mostly used for non-circular fits?

a) H5

b) H6

c) H7

d) H9

3. Which of the following option is incorrect for clearance fits?

a) Shaft ‘a’ gives a large clearance

b) Shaft ‘n’ is used for clearance fits

c) Shaft ‘d’ can be used for loose pulleys

d) Shaft ‘g’ is expensive to manufacture

4. What is the range of shafts which produce transition fits?

a) Shaft ‘a’ to ‘h’

b) Shaft ‘e’ to ‘n’

c) Shaft ‘d’ to ‘h’

d) Shaft ‘j’ to ‘n’

5. Which grades are available in shaft ’j’ assembly?

a) 1 to 5

b) 2 to 6

c) 3 to 7

d) 5 to 11

6. Which of the following grade is never used for fits?

a) H10

b) H11

c) H8

d) H9

7. Which of the option is correct about the preference of shaft and holes in machine tool industries?

a) ‘A11’ is of first preference in shafts

b) ‘B9’ is of first preference in holes

c) ‘c2’ is of first preference in shafts

d) ‘b11’ is of second preference in holes

8. Which of the following option is correct for given statements regarding the selection of fits?

Statement 1: Shaft ‘h’ is an interference fit and used only for running parts.

Statement 2: Shaft ‘k’ is the true transition fit.

a) T, F

b) F, F

c) T, T

d) F, T

9. Which shaft is used in valve shaftings?

a) Shaft ‘s’

b) Shaft ‘f’

c) Shaft ‘b’

d) Shaft ‘t’

10. Which of the following gives interference fit?

a) Shaft ‘n’

b) Shaft ‘p’

c) Shaft ‘m’

d) Shaft ‘g’