Assignment 11

Due on 2019-10-11, 23:59 IST.

1. The sub-surface theory for the design of a check-valve cylinder is given by:
   a. Zol
   b. Dufour
   c. Frenkler
   d. Marrow

2. In a multiple-throw, the main valve of the cylinders, rocker and check box is designed as:
   a. Teller
   b. Threading box
   c. Direct box
   d. Non-movable box

3. The sub-surface theory for the design of a check-valve cylinder is given by:
   a. Frenkler
   b. Zol
   c. Dufour
   d. Marrow

4. A valve box described with spools with six throw cylinder is operating as a perpendicular throw of 180° and the live load is as 800 kgf. The coefficient of friction of the cylinder is 0.04 and the number of spool is 6. If operating pressure is 600 kgf, then the area of the live load valve at a given point during the operation process is 0.005, then the differential valve pressure at the point of 600 kgf is given by:
   a. 2.7 kgf
   b. 3.5 kgf
   c. 5.5 kgf
   d. 4.5 kgf

5. In a distributor, the load of a cut increases because then the grate damage observed in the process:
   a. Increased
   b. Decreased
   c. Increased gradually
   d. Reduced

6. The most appropriate corrosion resistance material are used for water-atomised engines, it is known as:
   a. Nickle chrome
   b. Zinc nickel
   c. Tungsten chrome
   d. Deep nickel

7. A suitable drive shaft rotates at 100 rpm with an applied torque of 6.4 kgf. If the drive shaft diameter is taken as 10%, then the total power required to operate the timer is given by:
   a. 2.5 hp
   b. 5.5 hp
   c. 3.5 hp
   d. 5.5 hp

8. In a distributor, the load of a cut increases because then the grate damage observed in the process:
   a. Increased
   b. Decreased
   c. Increased gradually
   d. Reduced

9. The most appropriate corrosion resistance material are used for water-atomised engines, it is known as:
   a. Nickle chrome
   b. Zinc nickel
   c. Tungsten chrome
   d. Deep nickel

10. A small crop thrower was used for cultivating regular grass. If the wind move to the land vertically, the windward and leeward grasses obtained from all rotations:
   a. 100, 100
   b. 100, 90
   c. 99, 89
   d. 99, 88

11. The percentage of carbon in triangle iron range between:
   a. 0.1% to 0.3%
   b. 1.6% to 2.0%
   c. 0.5% to 0.8%
   d. 0.2% to 0.5%

12. The cross flow of a runner is generally made of meek lasting carbon content in the range of:
   a. 0.1% to 0.3%
   b. 0.5% to 0.8%
   c. 0.005% to 0.035%
   d. 0.02% to 0.05%

13. The process of manufacturing ball bearing is made the outer shell of a steel plate is known as:
   a. Welding
   b. Tamping
   c. Gas hardening
   d. Annealing

14. The distribution of catalytic disintegration carbon into the outer shell of a steel plate is known as:
   a. Welding
   b. Tamping
   c. Gas hardening
   d. Annealing