



- Q.5 Tractor engine oil should be changed and all grease points should be lubricated after every \_\_\_\_\_ working hrs
- a) 15                                      b) 30  
c) 60                                      d) 120
- Q.6 The violent noises heard in an engine during the process of combustion after the position has passed over the top dead center is known as?
- a) Stationary  
b) Spark ignition  
c) Detonation  
d) All of these
- Q.7 Maximum torque in a tractor is generated at (CO3)
- a) Rated rpm  
b) Less than rated rpm  
c) Rated hp  
d) Maximum idling
- Q.8 The function of anti-lock brake system (ABS) is to (Co3)
- a) Reduces the stopping distance  
b) Minimizes the brake  
c) Maintains directional control during braking by preventing the wheels from locking  
d) Prevents nose dives during braking and thereby postpones locking of the wheels
- Q.9 The device for engaging and disengaging the power shaft from the gearbox is known as
- a) Shaft                                      b) Gear  
c) Clutch                                      d) Circuit
- Q.10 Turbochargers are driven by
- a) Engine                                      b) Exhaust gas  
c) Dynamo                                      d) PTO

(2) 180362A/170362A/  
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## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name the hydraulic pump that is most widely used in tractors. (CO2)
- Q.12 Differential lock is used to provide equal powers to both the wheels (True/False) (CO1)
- Q.13 Name the hydraulic pump that is most widely used in tractors. (CO2)
- Q.14 Write one function of crane. (CO2)
- Q.15 Write one special application of Bulldozer. (CO2)
- Q.16 Write full form of PTO. (CO2)
- Q.17 Write the one special application of chassis of tractor. (CO1)
- Q.18 Hydraulic oil is the fluid of hydraulic system in tractor. (True/False) (CO1)
- Q.19 Motor grader is used to \_\_\_\_\_ the surface. (CO4)
- Q.20 Tube is a bag to rubber with air. (True/False) (CO1)

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Explain Tractor indicators, safe tractor operating procedure. (CO1)
- Q.22 Compare dual tyre system with tandem tyre system. (Co3)
- Q.23 Describe tractor tyre tread design terms along with sketch. (CO3)
- Q.24 Explain the maintenance checks before starting the engine. (CO3)
- Q.25 Describe Draw bar working application with sketch. (CO2)

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