

**Farm Machinery - Maintenance,
Repairs & General Mechanism**

(English version)

Time : 2 Hours]

[Maximum Marks : 40

PART - A

4×5=20

- Note :**
1. Answer **ANY FOUR** of the following questions.
 2. Each question carries **FIVE** marks.

1. Explain about the method of Varam and Sector.
2. Write about the separation of cylinder head and method of testing.
3. Write about diesel engine fuel system.
4. Explain about the working of single plate clutch with the help of a diagram.
5. Mention different types of steering gears and write about the process of working of one of it.
6. How many types of one way electric motors are there and explain about split phase induction motor in them ?
7. Mention about start - delta starter connected to a electric motor.

PART - B

10×2=20

- Note :**
1. Answer **ANY TEN** of the following questions.
 2. Each question carries **TWO** marks.

1. Mention about Pascal law.
2. What is meant by 'Differential Lock' ?
3. Explain about 'Wheel truck'.

4. What are the uses of P.T.O. shaft ?
 5. Mention about independent drive.
 6. Where is tractor clutch arranged ?
 7. What are the reasons for the hardness of the steering ?
 8. What is meant by ground clearance ?
 9. Write the names of different electric switches.
 10. Mention about cylinder block.
 11. Why does gear slipping happens ?
 12. Explain about Frame Height.
 13. What is Drop Arum ?
 14. Give the reasons for getting sound while the gears are being changed.
 15. Explain about Tractor Braking method.
 16. Mention about Connecting Rod.
 17. What is meant by clutch play ?
 18. Write about steering wheel.
 19. What is meant by Rear axle ?
 20. Write about Hydraulic pump.
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