

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. (3x10=30)

- Q.33 Explain with sketch transmission system of tractor.
- Q.34 Draw the layout of tractor hydraulic system and explain its working.
- Q.35 Explain the construction and working of BULLDOZER.
- Q.36 Explain faults and their rectification and maintenance in tractor.

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6th Sem. /Automobile Engineering Subject :Tractor and special purpose vehicles/ Tractor of Earth moving Machinery

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Name two model of Mahindra tractor.
- Q.2 Track type tractor is also called _____.
- Q.3 A tractor tyre has specification as: 14-42. How much is the diameter of wheel?
- Q.4 Name one human factor in tractor design.
- Q.5 Name the hydraulic pump that is most widely used in tractor.
- Q.6 Mounted implements are attached with the help of linkage.
- Q.7 A..... is a vehicle designed for firefighting

(320)

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120362/030362

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120362/030362

operation.

Q.8 Define maintenance.

Q.9 Name any one earthmoving machinery.

Q.10 Name two components of tractor engine.

SECTION-B

Note: Very Short answer type questions. Attempt any ten questions out of twelve questions (10x2=20)

Q.11 Write the application of tractor.

Q.12 Define tractor chassis.

Q.13 What is traction?

Q.14 Name type of power take off guards.

Q.15 Define tread.

Q.16 Give the Classification of tractor engine.

Q.17 Write the effect of wheel base on tractor stability.

Q.18 Write the function of clutch.

Q.19 Classify drawbar.

Q.20 Define P.T.O shaft.

Q.21 Give the purpose of depth wheel.

Q.22 What do you mean by Maintenance in tractor?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

Q.23 Describe the salient features of tyres.

Q.24 Explain various types of control levers.

Q.25 Name various implements which are attached to tractor.

Q.26 Explain front end loader.

Q.27 Explain land holding.

Q.28 Describe operator seat design.

Q.29 Draw the layout of final drive of a tractor.

Q.30 Define tread design terms along with sketch.

Q.31 Explain fire station vehicle.

Q.32 Give maintenance schedule of tractor up to 5000KM.

(2) 120362/030362

(3) 120362/030362