

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**II B.Tech. II Sem., II Mid-Term Examinations, April – 2014****FARM MACHINERY AND EQUIPMENTS -1****Objective Exam****Name: _____ Hall Ticket No.**

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.**I Choose the correct alternative:**

1. Spacing between discs of light duty harrows on the gang bolt ranges between []
a) 15 to 20 cm b) 15 to 23 cm c) 20 to 25 cm d) 20 to 25 cm
2. Size of patella varies in the range of []
a) 1200 to 3000 mm b) 1000 to 1500 mm c) 500 to 2000 mm d) 2000 to 3000 mm
3. Roller which is consisting of a cage of metal bars arranged so as to form the shape of cylinder is []
a) Corrugated roller b) Cambridge roller c) Cage roller d) Roller harrow
4. Type of three tined cultivator with seeding attachment is made of []
a) Mild steel b) Cast iron c) High carbon steel d) Wrought iron
5. Weight of puddler including its beam is about []
a) 20 to 40 kg b) 35 to 40 kg c) 25 to 45 kg d) 30 to 40 kg
6. Point at which resultant of all the horizontal and vertical forces act is known as []
a) Centre of power b) Center of resistance c) Line of pull d) Draft
7. An increase of moisture content from 9.1 to 11.7%, may reduce the specific gravity in a fine sandy loam by []
a) 15 to 35 % b) 20 to 30 % c) 12 to 25 % d) 20 to 35 %
8. An excavation from which fill material is excavated is known as []
a) Back fill b) Barrow pit c) Embankment d) In situ
9. Volume of the earth after it has been removed from its natural position and deposited in trucks or scrapers is known as []
a) Bank measure volume b) Compacted volume c) Loose measure volume d) Swell
10. Vertical moment of a bulldozer blade end with its vertical plane is known as []
a) Pitch b) Backfill c) Tilt d) Crown

Cont.....2

II Fill in the blanks:

11. Tractor manufacturing was started in India in the year _____
12. Ability of metal to be drawn or stretched permanently without rupture or fracture is known as _____
13. Preparation of soil in such way that plant residues or other mulching materials are specially left on or near the surface is known as _____
14. Depth of normal ploughing is about _____
15. Flat plate which bears against and transmits lateral thrust of the plough bottom to the furrow wall is called _____
16. Device used to cut the furrow slice vertically from the land ahead of the plough bottom is called _____
17. Perpendicular distance from wing of the share to the line joining the point of the share and heel of landside is called _____
18. Width of cut of medium size plough varies between _____
19. Top portion of turned furrow slice is called _____
20. An open trench left in between two adjacent strips of land after finishing the ploughing is called _____

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Code No:54594

Set No. 3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

II B.Tech. II Sem., II Mid-Term Examinations, April – 2014

FARM MACHINERY AND EQUIPMENTS -1

Objective Exam

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