B. Tech.

(SEM. VIII) EXAMINATION, 2006-07

STANDARDIZATION & QUALITY CONTROL

Time : 2 Hours]  [Total Marks : 50

Note : Attempt all the questions.

1. Attempt any two parts of the following :  6×2=12
   (a) Discuss the necessity of adopting Indian Standards in Agricultural Engineering.
   (b) Describe briefly the process of formulation of Indian Standards in Agricultural Engineering.
   (c) How would you impress upon the small manufacturers the need of adopting Indian standards in Agricultural machinery manufacture?

2. Describe briefly about the activities of any four of the following standardization agencies in the area of agricultural engineering :  4×3=12
   (a) NEBRASKA
   (b) OECD
   (c) RNAM

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(d) BIS
(e) ASAE
(f) ASTM.

3. Attempt any four parts of the following : \(4 \times 3 = 12\)

(a) Explain the utility of Tractor Test Reports from buyers point of view.
(b) Discuss the Testing facilities created by Govt. of India in the field of Agricultural machinery.
(c) Prepare a proforma for recording of salient observation in testing of a seed cum ferite drill.
(d) Prepare a list of testing equipment used in testing of engine.
(e) Discuss briefly the procedure adopted in Tractor Testing in India.
(f) Describe salient terms used in testing and reporting of Horse Power of engines.

4. Write short notes on any two of the following : \(7 \times 2 = 14\)

(a) Computer application in quality control.
(b) Statistical methods in quality control.
(c) Important considerations in quality control.