

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)**Term-End Examination****December, 2014**

00349

BFW-036 : APPLIED SCIENCE*Time : 3 hours**Maximum Marks : 70*

Note : Attempt any **seven** questions. Use of calculator is permitted.

1. Justify Newton's Laws of Motion with examples. 10
2. What is meant by exothermic and endothermic reactions ? Give examples. 10
3. What is electric current ? Explain briefly. 10
4. Write the characteristics of S-block elements. 10
5. Consider the following distribution of daily wages of 50 workers of a factory :

Daily Wages (in ₹)	No. of workers
100 – 120	12
120 – 140	14
140 – 160	8
160 – 180	6
180 – 200	10

Find the mean of daily wages of workers of the factory by using an appropriate method. 10

6. Write the differences between pneumatic pressure and hydraulic pressure. 10
7. Define the following : 2×5=10
- (a) Vapour pressure
- (b) Green house effect
8. Define polymer. Give the chemical formula of monomer of teflon. 10
9. Define “Mean”, “Median” and “Mode”. Give the formula of each of them. 10
10. What is ergonomics ? Explain briefly. 10
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