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Daffodil International University
Department of Agricultural Science
0851-1103 Farm Power (Theory), Section-B & C, First Class test Exam, Total Marks: 15
Answer all Questions

1. Define an engine. Classify the internal combustion engine. Narrate the uses of engines in crop production. 4
2. Describe briefly the working principles of power tiller engine with convenient diagram. 4
3. What are the objectives of Engine cooling system? Describe in block diagram how optimum operating temperature is maintained in a tractor engine. 3
4. Determine IHP, BHP and FHP of a tractor having 4-stroke 4-cylinder engine with 80% mechanical efficiency. It has a bore of 120 mm and stroke-bore ratio of 1.2. The engine develops 7.2 kg/cm^2 at 720 rpm. 4