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| **Program No.** | **Program Topic** | **Program Title** | **Page No** |
| 1 | Basic Structures: Sets, Functions | Given two finite sets, list all elements in the Cartesian product of these two sets. | 01 |
| 2 | Basic Structures: Sets, Functions | Given a finite set, list all elements of its power set. | 02 |
| 3 | Basic Structures: Sets, Functions | Given a function f from {1, 2,...,n} to the set of integers, determine whether  i) f(x) = x^2 ii) f(x) = x + 1 iii) f(x) = x^3 + x^2 + x + 1 are one-to-one. | 03 |

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