Bansilal Ramnath Agarwal Charitable Trust’s VISHWAKARMA INSTITUTE OF TECHNOLOGY, PUNE –37

(An Autonomous Institute Affiliated to SPPU)

**Discrete Mathematics (ES1030) HA**

1. Write your 8 digit PNR.
2. Take a as PNR and b as the last 4 digits of PNR.
3. Apply Euclidean Algorithm on a and b . Hence find the greatest common divisor d of a and b .
4. Also find integers m and n such that d =ma+nb.