PAPER – III
FITTER/ MACHINIST/ MACHINIST GRINDER/ MECH. AGRICULTURAL
MACHINERY/ MECH. MACHINE TOOL MAINTENANCE/ MECH. MOTOR VEHICLE/
MECHANIC REFRIGERATION & AIR-CONDITIONING / OPERATOR ADVANCE
MACHINE TOOL/ TOOL & DIE MAKER (DIES & MOULDS)/ TOOL & DIE MAKER
(PRESS, TOOLS, JIGS & FIXTURE)/ TURNER/ REFRACTORY TECHNICIAN
(ENGINEERING DRAWING)
SEMESTER – III

TIME: 4 HRS.                      MARKS: 75

Note: Attempt all questions.

1. Draw the free hand sketches of the following —
   a) Woodruff key
   b) Pan Head Rivet
   c) Rag type foundation bolt

2. Draw the assembly of Vee-block with clamp.

3. Draw a top view and sectional front view of a double riveted lap joint Zig-Zag type when
   the thickness of plate is 16 mm.

************