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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
**(AUTONOMOUS)****B.Tech II Year I Semester Supplementary Examinations December-2021****MACHINE DRAWING****(Mechanical Engineering)**

Time: 4 hours

Max. Marks:60

**Section – I****(Answer any two questions, 2 x 4 = 8)**

- Show the conventional representation of the following materials
  - Internal Screw Threads
  - Bearing on shafts
- Sketch the conventional representation of the following:
  - Cylindrical tension spring
  - Worm
- Sketch a sunk key with proportions.

**Section – II****(Answer any two questions, 2 x 8 = 16)**

- Draw the Flange coupling to connect to shafts of 20 mm diameter.
- Draw the Rag foundation bolts of diameter 20mm.
- Draw double riveted butt joint to join two plates of 15 mm thick.

**Section – III****(Compulsory Questions, 1 x 36 = 36)**

- Assemble all parts of the screw jack, shown in Fig. and draw the following views:(i)Half sectional view from the front, and(ii)View from above.

