



Regulation 17

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A' Grade)

Subject code: **IP4CC**

B.Tech II Year II Semester Regular Examinations, May/June 2019

MACHINE DRAWING

(Mechanical Engineering)

Maximum Marks: 70

Date: 02.06.2019 Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 30 marks. Answer any 3 questions in Part A.
 3. Part B consists only one question. Answer any one full question from assembly drawing.

Part-A

Answer any three questions carry equal marks

(3x10M=30 Marks)

- 1 Draw front and side views of a hexagonal headed bolt of nominal diameter 20 mm and length 100 mm with nut, washer and split pin in position. 10
- 2 Draw the following keys 10
 - i) Round key
 - ii) Gib head key(Note: Consider diameter of the shaft as 30mm)
- 3 Draw the sectional front view and top view of single riveted single strap butt joint, chain type to join two plates of 9mm thickness each. 10
- 4 Draw front view of the knuckle joint for joining shafts of diameter 25mm. 10

Part-B

Answer the following question

(40M X 1=40Marks)

- 1 Details of the Lathe Tail stock are shown in figure:
Assemble all parts and draw i) Front view. ii) Left Side view.

