



Regulation R20 **Subject code: 3P4CE**
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)
B.Tech IV Semester Supplementary Examinations, April 2025

MACHINE DRAWING

(ME)

Maximum Marks: 70

Date: 14.05.2025

Duration: 3 hours

Part-A

Answer Any Three Questions

(3X10M=30M Marks)

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| 1 | Draw the three views of a hexagonal headed bolt of nominal diameter 25mm and length 100 mm with a hexagonal nut and washer |
| 2 | Draw (a) sectional view from the front and (b) view from above, of the following riveted joints, to join plates of thickness 10 mm double riveted, double strap, zig-zag butt joint. |
| 3 | Draw (a) half sectional view from the front, top half in section and (b) half sectional view from the side, left half in section, of a split-muff coupling, indicating proportions to connect two shafts, each of diameter 50 mm |
| 4 | Draw (a) sectional view from the front and (b) view from the side of a gland and stuffing box type of expansion joint, to connect two pipes, each of diameter 100 mm. |

Part-B

Answer the following question

(1X 40M=40MMarks)

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|---|---|
| 5 | Assemble all parts of the stuffing box for a vertical steam engine, shown in Fig. 1 and draw its,(i) half sectional view from the front |
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