



R20 Regulation

Subject code: 3P4CE

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Supplementary Examinations, February 2024

MACHINE DRAWING (MECHANICAL ENGINEERING)

Maximum Marks: 70

Date:28.02.2024 Duration: 3 hours

Part-A

Answer any three questions carry equal marks (3x10M=30 Marks)		CO	Bloom Tx
1	Draw the following screw thread profiles with standard proportions : (a) Square thread (b) Buttress thread	1	L3
2	Draw two views of a hexagonal headed bolt of diameter 20mm.	2	L3
3	Draw a half sectional view from the front, and top view of a split-muff coupling, indicating proportions to connect two shafts, each of diameter 50 mm.	3	L3
4	Draw the top view and sectional front view of a double plated, double riveted zig zag rivet joint. Consider thickness of plates as 15 mm	4	L3

Part-B

Answer the following question (40M X 1=40Marks)																											
1	Assemble the parts of eccentric and draw the following view : (a) Half sectional front view (b) Right side view. All dimensions are in mm.	1	L4																								
<table border="1"> <thead> <tr> <th>Number</th><th>Name</th><th>Material</th><th>Quantity</th></tr> </thead> <tbody> <tr> <td>1</td><td>Strap</td><td>C1</td><td>1</td></tr> <tr> <td>2</td><td>Strap</td><td>C1</td><td>1</td></tr> <tr> <td>3</td><td>Sheave</td><td>C1</td><td>1</td></tr> <tr> <td>4</td><td>Shim</td><td>BRASS</td><td>2</td></tr> <tr> <td>5</td><td>Bolts with nuts</td><td>MS</td><td>2</td></tr> </tbody> </table>				Number	Name	Material	Quantity	1	Strap	C1	1	2	Strap	C1	1	3	Sheave	C1	1	4	Shim	BRASS	2	5	Bolts with nuts	MS	2
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