R18 Regulation *Subject code:2P4CC*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Supplementary Examinations, June 2026

MACHINE DRAWING

(ME)

Maximum Marks: 70 Date: 12.06.2026 **Duration: 3 Hours**

Note: 1.This question paper contains two parts A and B.
2. Part A is compulsory which carries 10 marks. Answer all questions in Part A.
3. Part B consists of 2 questions. Answer any 1 question which carries 50M.

Part-A

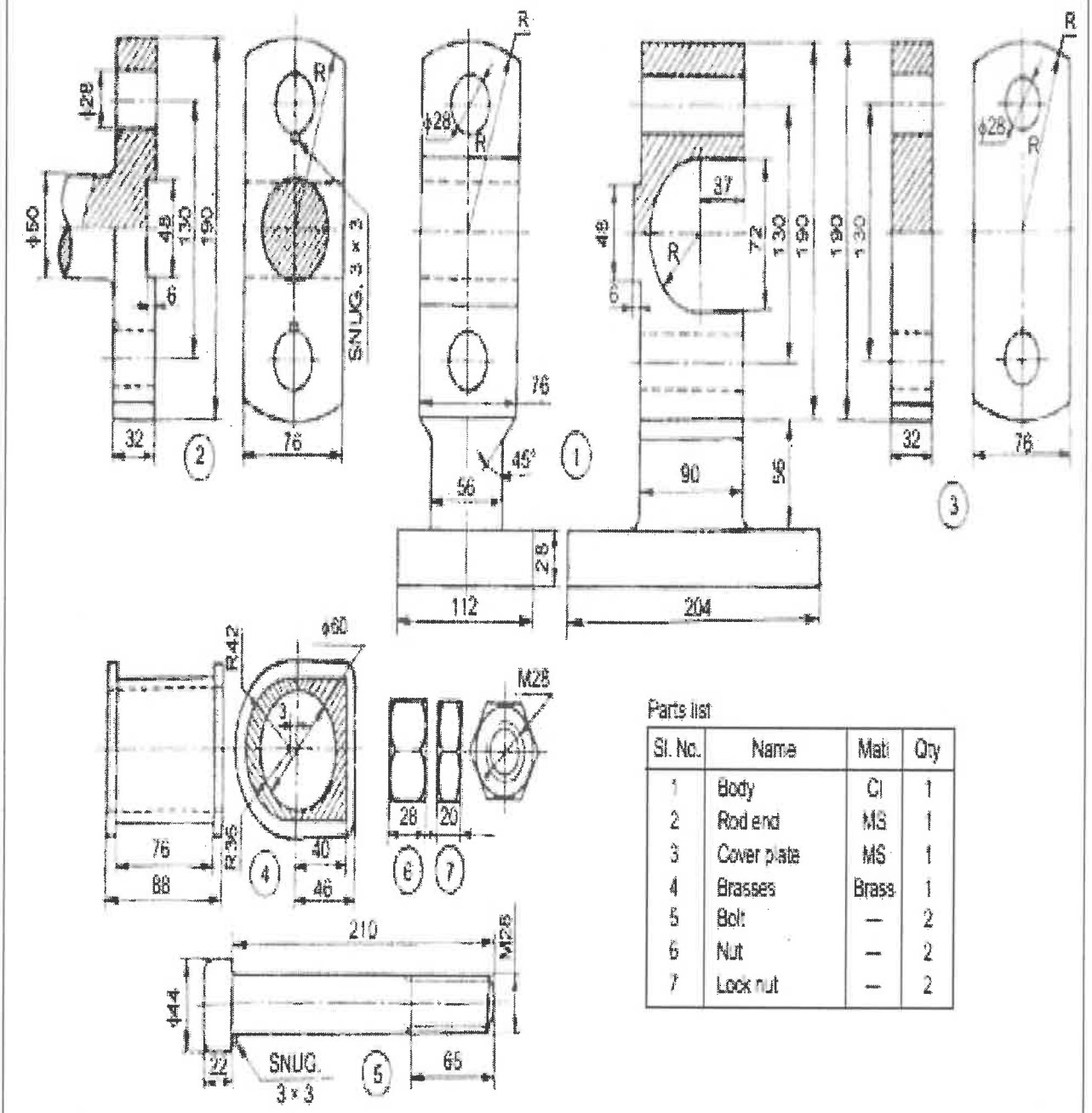
All the following questions carry equal marks (2X10M=20 Marks)

1	Draw (*a*) half sectional view from the front, top half in section and (*b*) view from the side of a rigid flange coupling to connect two shafts, each of diameter 30 mm. Sketch the above views for the protected type of flange coupling.
2	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 question (1X50M=50Marks)

3.Assemble the following diagram.



Parts list

Sl. No.	Name	Mati	Qty
1	Body	CI	1
2	Rod end	MS	1
3	Cover plate	MS	1
4	Brasses	Brass	1
5	Bolt	—	2
6	Nut	—	2
7	Lock nut	—	2