

Roll No:

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
SESSIONAL Test-2 (OCT-2024)

Question Paper

Month and Year of the Exam: **OCT-2024**

Programme: **B.Tech. (Mech.)**

Semester : **3rd**

Subject: **Machine Drawing**

Course No: **MEPC204 /PIPC213/MEPC17/PRPC19**

Maximum Marks: **Twenty (20)**

Number of Question to be attempted: **All**

Time allowed: **Three (3) hrs.**

Total No. of Questions: **One**

Total No. of pages used: **TWO**

Unless stated otherwise the Symbols have their usual meanings in context with the subject. Assume suitably and state, additional data required, if any.

Q.No. 1: Draw the sectional Elevation for the completed assembly of Spring Loaded Safety Valve along with BOM. Name of part and material along with their number are given below. Page 2 shows details. (CO 1 to 5) **20 Marks**

12.	Compression screw	G.M.	1	
11.	Holder (spring)	G.M.	2	
10.	Spring	Spring-steel	1	
9.	Bush (cover)	G.M.	1	
8.	Bush (casing)	G.M.	1	
7.	Ring (seat)	G.M.	1	
6.	Seat	G.M.	1	
5.	Valve	G.M.	1	
4.	Spindle	G.M.	1	
3.	Cover	C.I.	1	
2.	Casing	C.I.	1	
1.	Body	C.I.	1	
No.	Name of part	Material	No. of	Remark

23.	Lock (not shown)	—		
22.	Split-pin (not shown)	C-30	1	
21.	Screw (bush)	C-30	1	
20.	Screw (ring)	C-30	3	
19.	Bolt and nut (cover)	C-30	4	
18.	Bolt and nut (casing)	C-30	6	
17.	Plug	G.M.	1	
16.	Cotter (valve)	G.M.	1	
15.	Cotter (cap)	G.M.	1	
14.	Cap	G.M.	1	
13.	Collar	G.M.	1	
No.	Name of part	Material	No. of	Remark

