

KR-3497

[Total Marks : 100]

(5) Use only drawing sheets for **answering**.

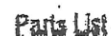
10

6

10

5

5



Part No.	Qty.	Name	Matl.
1	1	Strip	HCS
2	1	Pulley	CI
3	1	Pin	MS
4	1	Bush	Bronze
5	1	Castle Nut	MS
6	1	Hook	FS

CRANE HOOK

Fig.1

2

4

4

4

6

[TURN OVER

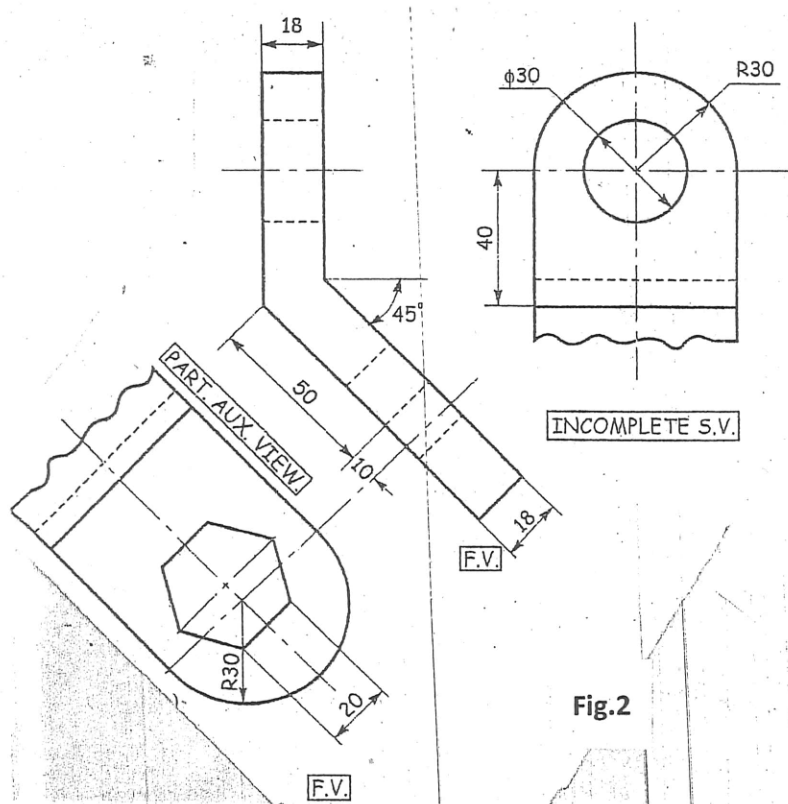


Fig.2

Q.4 Fig.3 shows assembly of Gland and Stuffing Box Type Expansion Joint. Draw the detailed drawing for the parts as below:

a) Sleeve

i) Sectional F.V.

4

ii) Right hand side view

3

b) Socket

i) Sectional F.V.

5

ii) Left hand side view

4

c) Stay bolt

i) Front view

2

ii) Side view

2

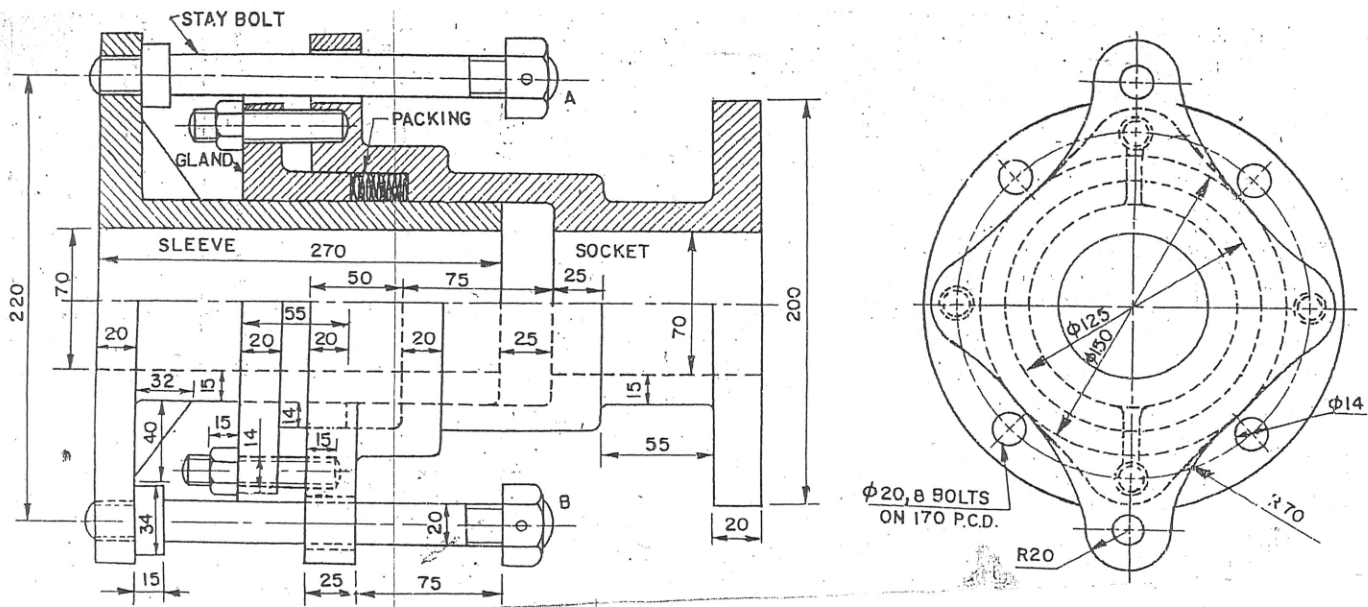


Fig.3

Gland and stuffing box type expansion joint

Q.5 Fig.4 shows assembly of Check Valve. Draw the detailed drawing for the parts as below:

a) Stopping plate (part no.2)

i) Half sectional F.V.

5

ii) Top view

4

b) Valve (part no.3)

i) Half sectional F.V.

4

ii) Top view

3

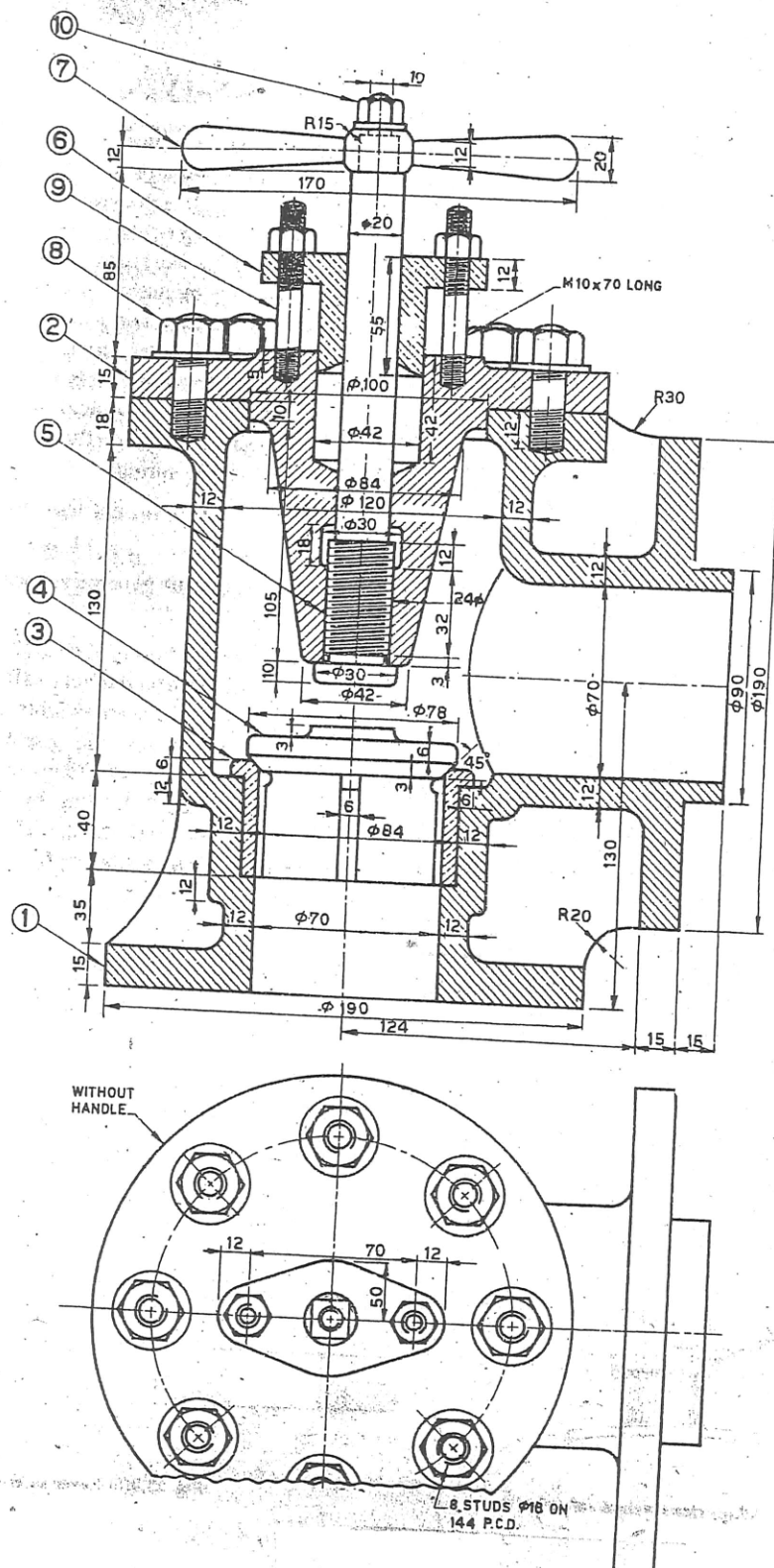
c) Spindle (part no.5)

i) Front view

2

ii) Top View

2



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Q.6 Fig. 5 shows details of the Locomotive Connecting Rod End, assemble all the parts and draw the following views for the assembly:-

a) Half sectional front view

12

b) Top view

8

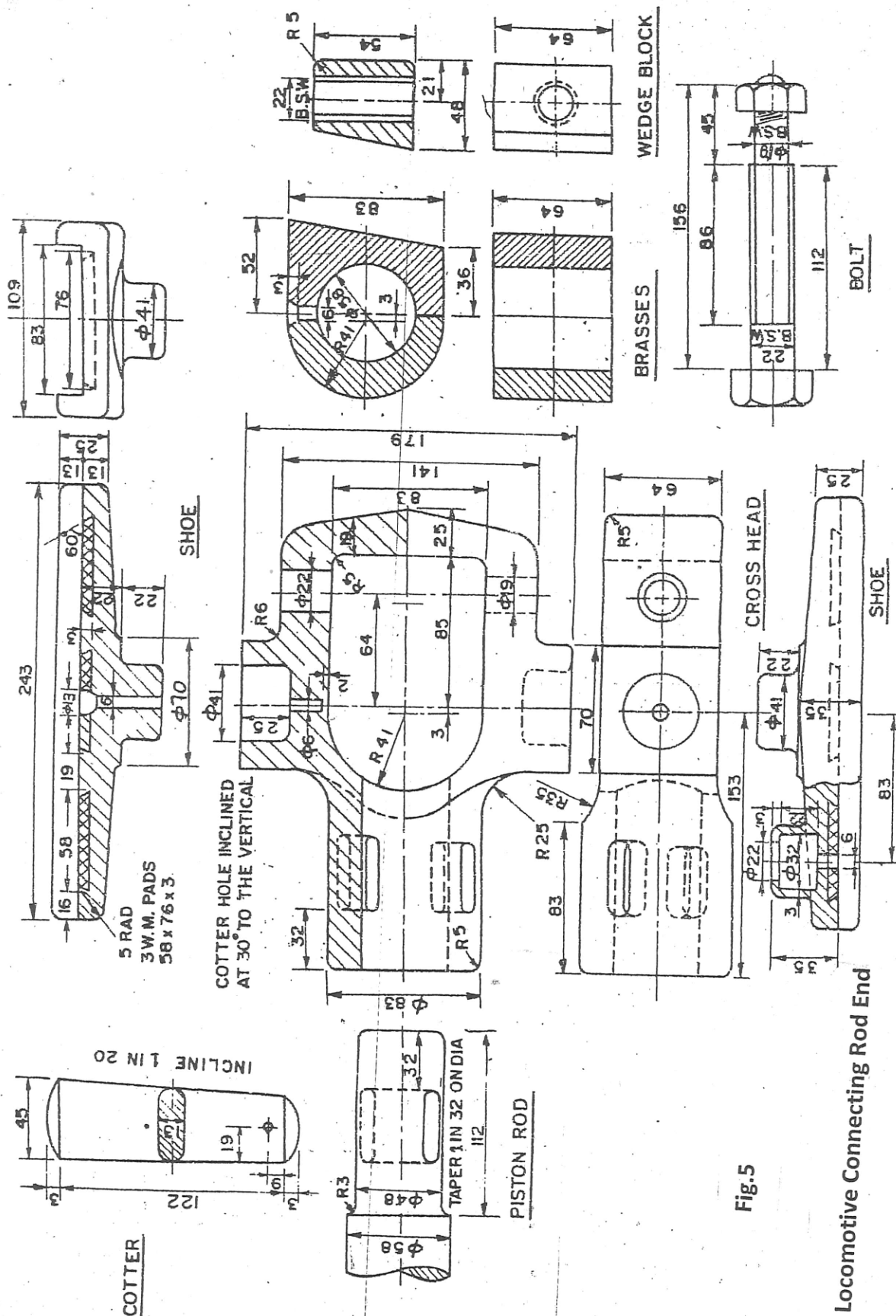


Fig.5

Locomotive Connecting Rod End

Con. 10615-KR-3497-12.

5

Q.7 Fig. 6 shows details of the Drilling Jig, assemble all the parts and draw the following for the assembly:-

a) Sectional front view

12

b) Top view

8

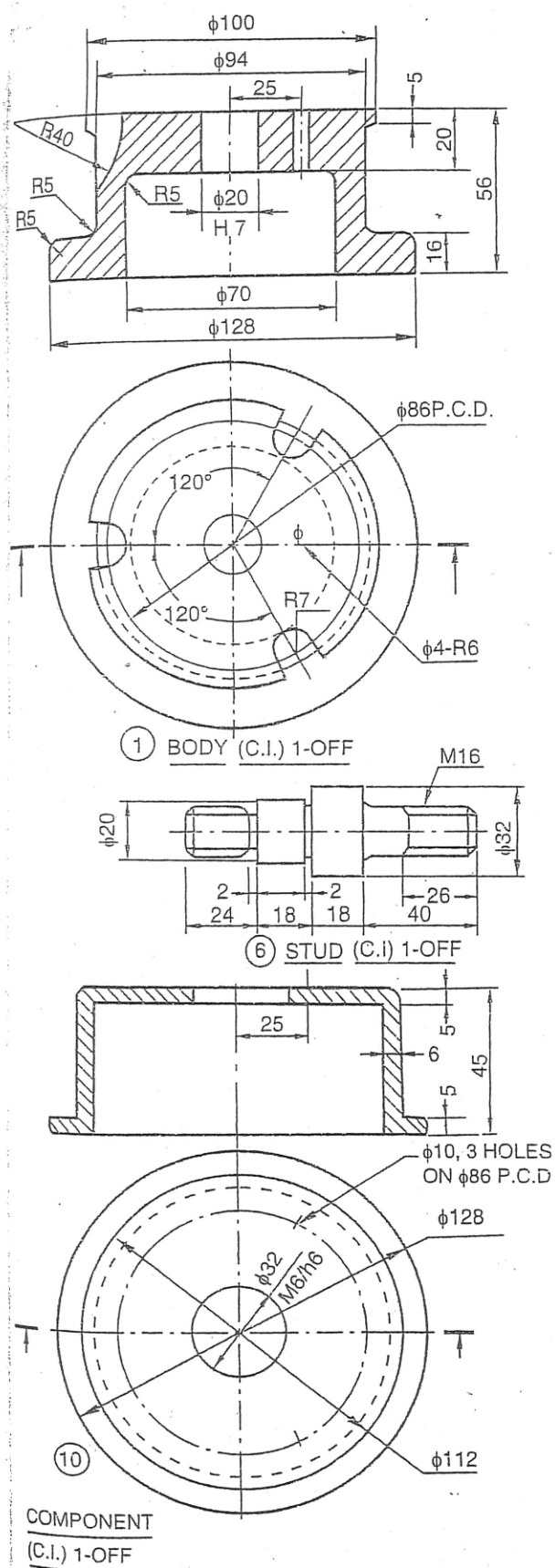


Fig.6 Drilling Jig