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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

April 2024 Semester End Main Examinations

Programme: B.E.

Semester: III

Branch: Mechanical Engineering

Duration: 3 hrs.

Course Code: 23ME3PCCMD / 22ME3AECMD

Max Marks: 100

Course: Computer Aided Machine Drawing

Instructions: 1. Answer all questions.

2. Use first angle projection only.
3. Missing data if any may be suitably assumed.
4. All dimensions are in mm.
5. Important dimensions are to be shown in the assembly drawing.
6. A suitable scale, if necessary, may be taken.

		MODULE - I	<i>CO</i>	<i>PO</i>	Marks
1		A hexagonal pyramid, side of base 30 mm and axis height 65 mm rests on its base on HP with two of its edges parallel to the VP. A section plane perpendicular to VP and inclined 45° to HP and intersecting the axis at a point 25 mm above base. Draw its front view, sectional top view and true shape of the section.	<i>CO1</i>	<i>PO1</i>	20
		MODULE - III			
2		The details of PETROL ENGINE CONNECTING ROD are shown in Fig (1). Assemble all the parts and construct the following views to 1: 1 scale. (a) Front view with top half in section. (b) Top View.	<i>CO2</i>	<i>PO2</i>	80

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.

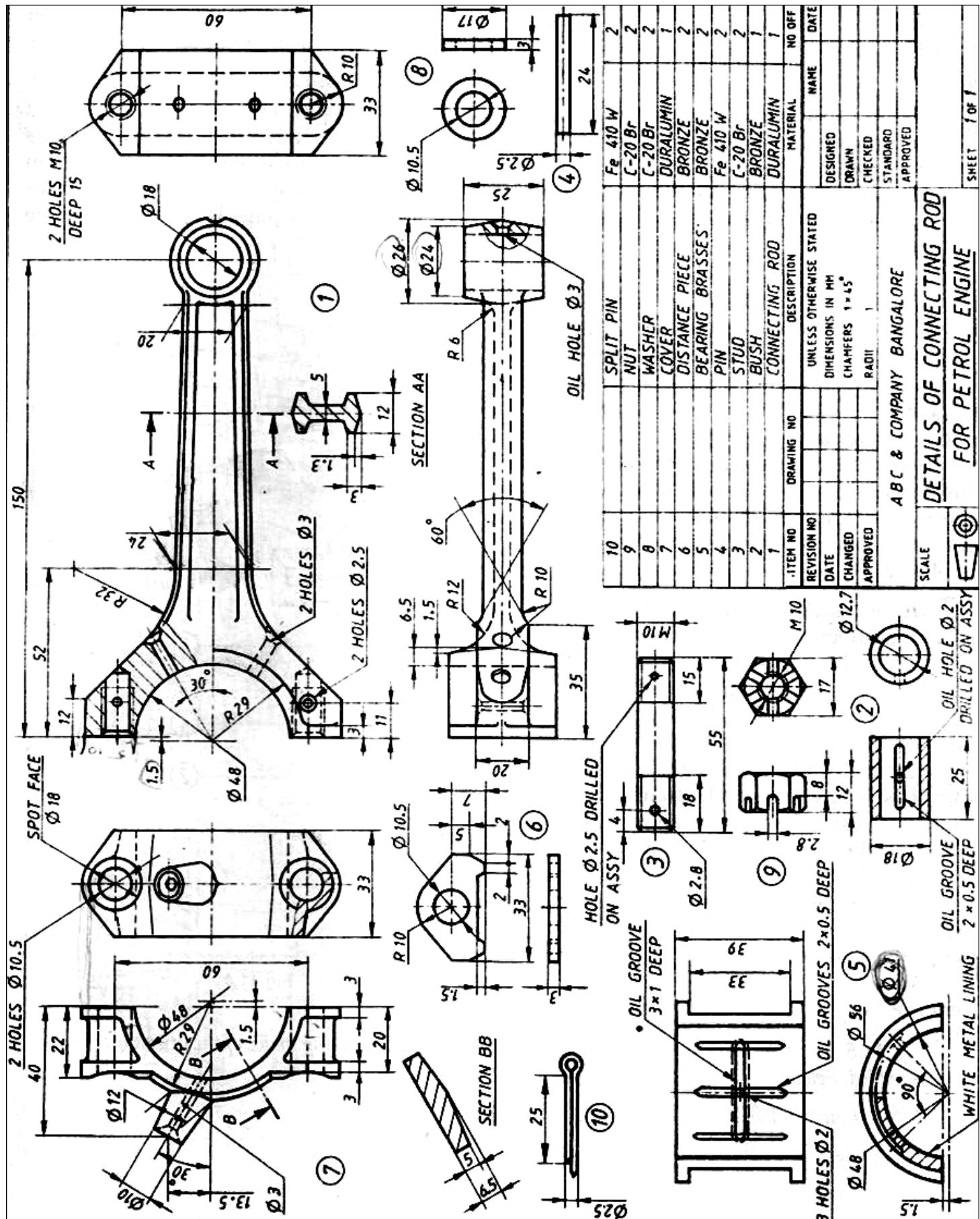


Fig (1): Details of Petrol Engine Connecting Rod

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