

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

**B.TECH. DEGREE III SEMESTER REGULAR EXAMINATION IN
MARINE ENGINEERING DECEMBER 2020**

**19-208-0306 MACHINE DRAWING
(2019 Scheme)**

Time: 30 Minutes [for Answering and Scanning/Uploading the page of the Answer Sheet]

Max. Marks: 8

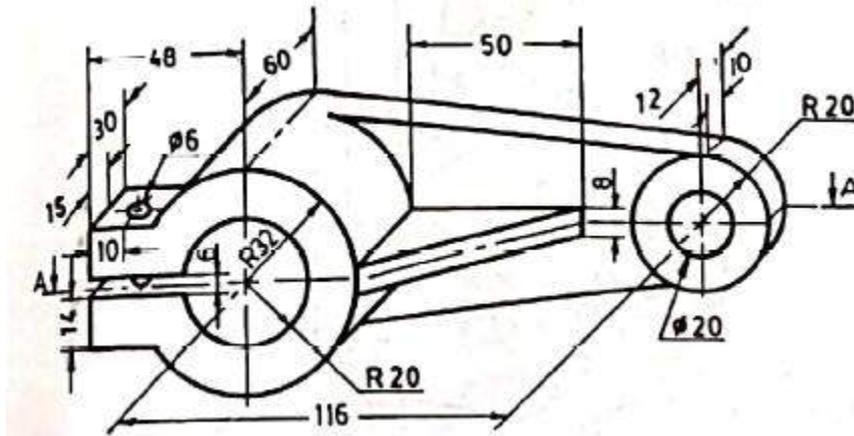
INSTRUCTIONS

1. You have to be available in Google Meet Video Camera throughout the examination hours.
2. Those students who are not present through Google Meet Video Camera will not be permitted to write the online examination.
3. You have to share your '**live location**' to the faculty before uploading the answer sheet.
4. You have to answer only one question.
5. You have to write register number, subject code and module/group number (as given in the question paper) in each page.
6. Answer may not exceed one page of an A4 size paper in a standard handwriting, as far as possible.
7. If at all an answer goes beyond one page, (due to your handwriting) another page can also be used. In such a situation, the page number should be given as 1/2, 2/2.
8. You have to put the Question Number correctly.
9. After answering the question, you have to scan in pdf format and upload the answer page in a format of <reg. no.><module/group no.><question no.>.pdf.

MODULE - I

(Answer **ANY ONE** question)

- I(1). Oblique projection of a lever is shown in the figure given below. Draw the full sectional top view. Take section along A-A (8)



OR

- I(2). Draw full size American National thread showing at least four complete pitch lengths and taking pitch = 30 mm. Print all standard proportions on the drawing. (8)

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**B.TECH. DEGREE III SEMESTER REGULAR EXAMINATION IN
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19-208-0306 MACHINE DRAWING
(2019 Scheme)

Time: 80 Minutes [for Answering and Scanning/Uploading the page of the Answer Sheet]
Max. Marks: 20

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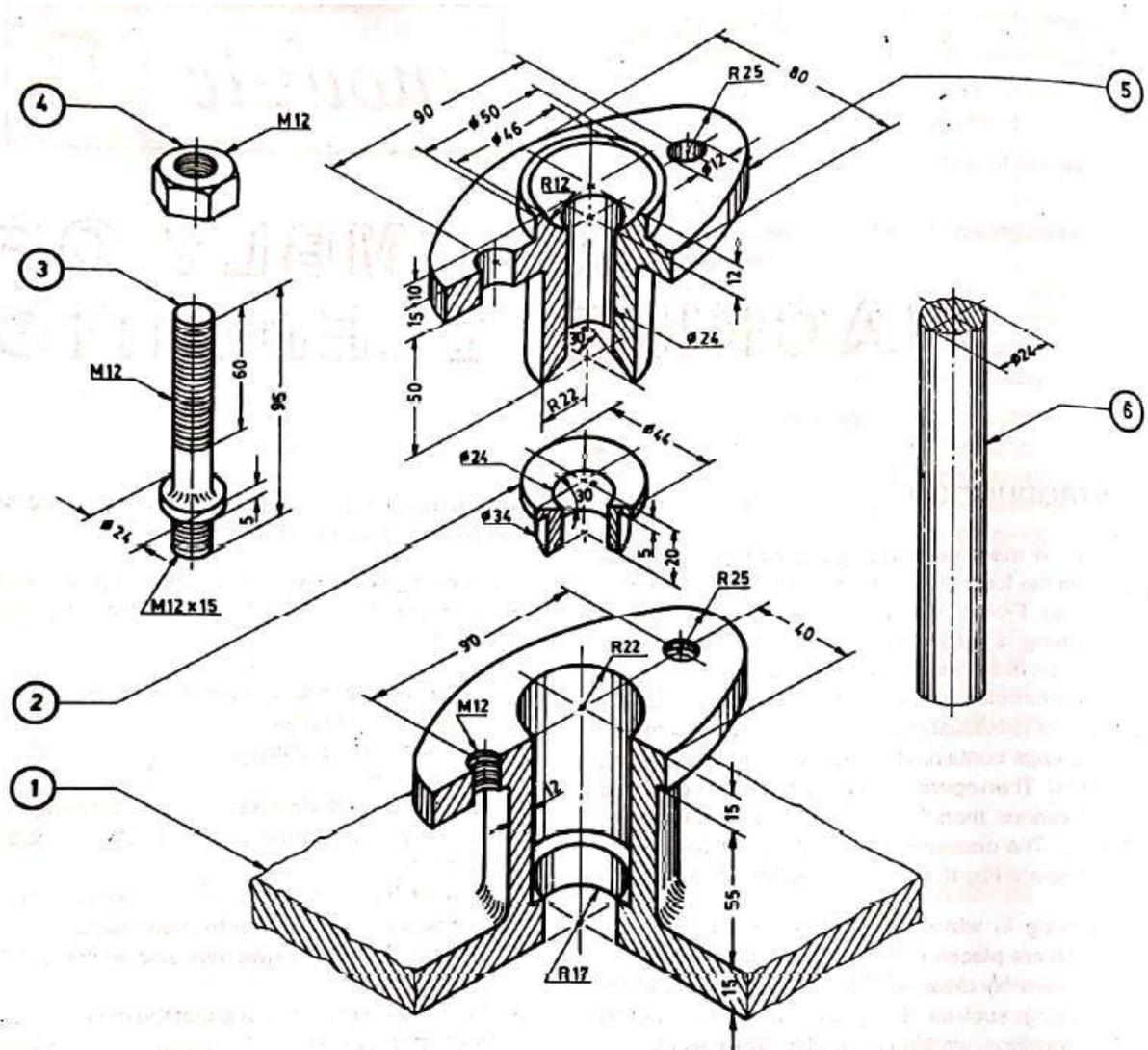
MODULE - III

(Answer **ANY ONE** question)

- III(1). Disassembled isometric view of a stuffing box is shown in the figure below. (20)
Assemble the parts and draw the left half sectional elevation of the stuffing box.

(Continued to 2)

(2)



ITEM LIST

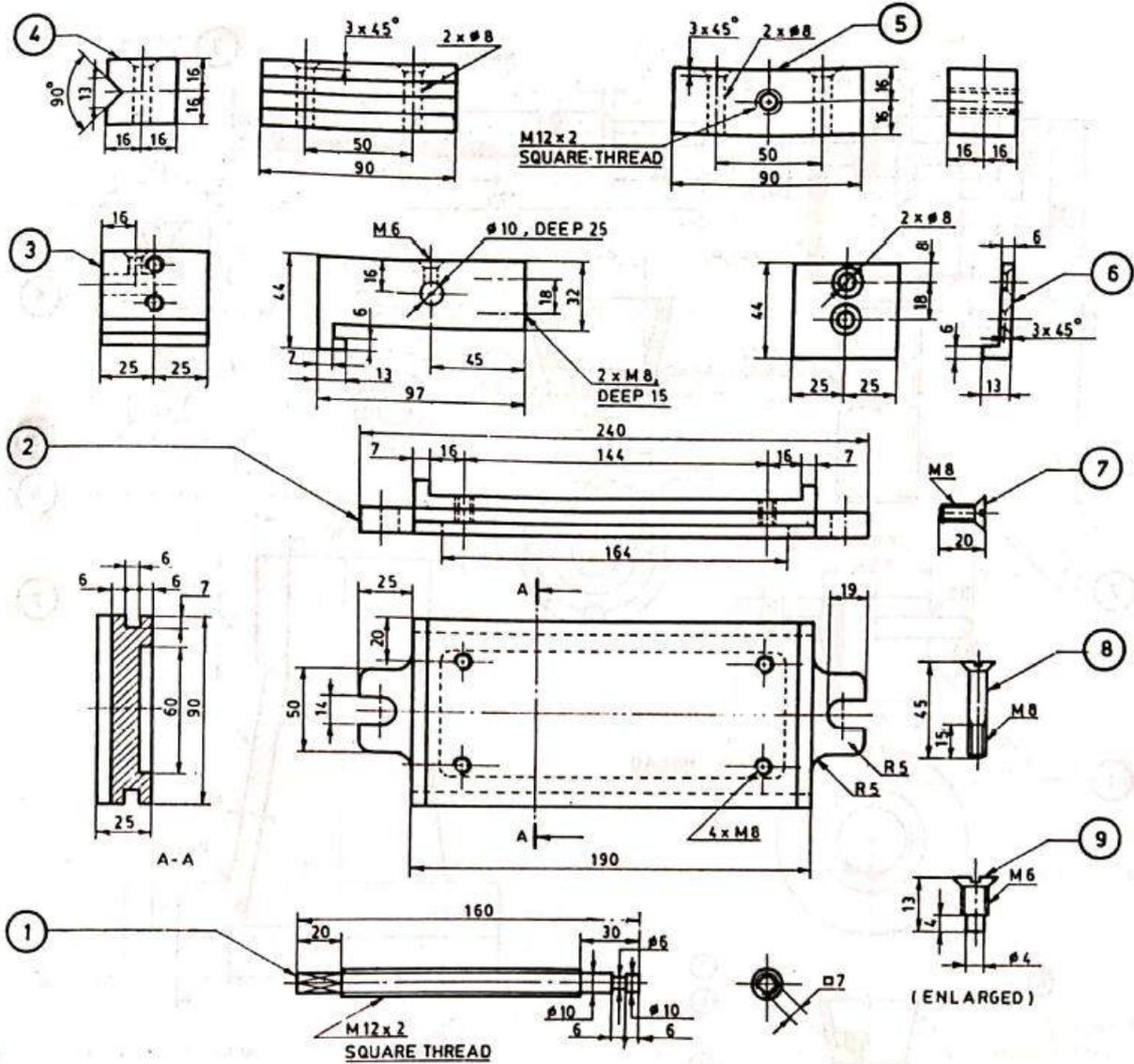
Item	Description	Qty.	Material
1	Body	1	C. I.
2	Gland bush	1	Brass
3	Stud	2	M. S.
4	Nut	2	M. S.
5	Gland	1	C. I.
6	Piston rod	1	Steel

OR

(Continued to 3)

(3)

III(2). Details of a Machine vice are shown in the figure below. Draw the following views showing all parts assembled in working position to scale 1:1. Plan, lower half in section. (20)



ITEM LIST

Item	Description	Qty.	Material
1	Screw spindle	1	M. S.
2	Base	1	C. I.
3	Sliding jaw	1	C. S.
4	Fixed jaw	1	C. S.
5	Block	1	C. I.
6	End plate	1	M. S.
7	Set screw	2	M. S.
8	Screw (M8)	4	M. S.
9	Screw (M6)	2	M. S.
