

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

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

19-208-0303 PRODUCTION TECHNOLOGY
(2019 Scheme)

Time: 30 Minutes [for Answering and Scanning/Uploading the page of the Answer Sheet] per module
Max. Marks: 8 per module

INSTRUCTIONS

1. You have to be available in Google Meet Video Camera throughout the examination hours.
2. You have to share your '**live location**' to the faculty before uploading the answer sheet of Module I.
3. You have to answer only one question per module.
4. Answer may not exceed one page of an A4 size paper in a standard handwriting, as far as possible.
5. 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.
6. You have to put the Question Number correctly.
7. 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). Explain the tool nomenclature in detail. (8)
- OR**
- I(2). Describe different types of calipers. (8)

MODULE - II

(Answer **ANY ONE** question)

- II(1). Describe the different methods for taper turning process on a center lathe. (8)
- OR**
- II(2). Difference between Capstan and Turret lathes. (8)

MODULE - III

(Answer *ANY ONE* question)

III(1). What are the applications of shaping machine in a typical machine shop? (8)

OR

III(2). Write notes on: (8)

- (i) Honing
- (ii) Lapping
- (iii) Grinding
- (iv) Jigs and Fixtures.

MODULE - IV

(Answer *ANY ONE* question)

IV(1). Explain (7)

- (i) Limit
- (ii) Fit
- (iii) Tolerance
- (iv) Allowance.

OR

IV(2). Briefly explain the aims and objectives of Factories Act 1948, regarding safety. (7)

MODULE - V

(Answer *ANY ONE* question)

V(1). Explain soldering and brazing in detail. (7)

OR

V(2). What is the principle for operation of arc welding? (7)
