

**SCHEME OF EXAMINATION FOR THE RECRUITMENT OF SCIENTIFIC ASSISTANT (MECHANICAL)****Advt. No. NIOT/E&P/02/2022(Regular)**

<b>Date of Exam</b>	<b>Part</b>	<b>Subject</b>	<b>Number of Questions/ Marks</b>	<b>Total Duration/ Timing for General candidates</b>
09.08.2023 (Wednesday) 10.30AM – 12.00	<b>Paper- I</b> (Objective Type)	a) Questions at Diploma level in core areas of Mechanical Engineering  b) to test basic knowledge on the Oceans, Waves & tides, sea water.  c) Arithmetic, & logical reasoning.  d) Basic knowledge of computer	50/50 marks (50*1)  10/10 marks  10/10 marks  5/5 marks	<b>90 minutes</b>
09.08.2023 (Wednesday) 02.00 PM – 05.00 PM	<b>Paper- II</b> (Practical Type)	Identification of tools, tackles, drafting in AutoCAD and Interpretation of drawings.	50 marks	<b>60 minutes</b>

*(Additional 20 minutes for VH/OH afflicted by cerebral palsy and locomotor disability wherein the dominant writing extremely is affected to the extent of slowing down the performance of the candidate)*

**Paper-I** will consist of Objective Type- Multiple choice questions only. There will be no negative marking. No electronic devices, calculators, electronic watches, cell phones shall be allowed during tests.

**The Indicative Syllabus for written examination / Practical test will be as follows:-**

**Paper-I:**

- a) Mechanical Engg. at Diploma level :50 marks (Objective type)
- b) to test basic knowledge on the Oceans,  
Waves & tides, sea water : 10 marks (Objective type)
- c) arithmetic& logical reasoning : 10 marks (Objective type)
- d) Basic knowledge of computer : 05marks (Objective type)

The questions are designed to test the candidates understanding of the subjects in topics mentioned above.

**Paper-II:**

Practical test at laboratory. (It is of qualifying nature)

The Selection of candidate on Merit will be based on the Mark obtained in Paper I among those who secured the minimum marks fixed by the committee in Paper II.

In case of a tie in the marks secured in Paper I, the order of precedence that will be followed to break the tie is:-

1. Marks obtained in Paper-II
2. Marks obtained in Diploma
3. Older person by Date of Birth.