

## IITDM Kancheepuram - Recruitment of Non-Teaching Posts

(Advt.No.IITDMK/R/3/2019 Dated: 19th June, 2019 )

### List of Shortlisted Candidates for screening test and Schedule of exams for the post of Junior Technician (Mechanical)

<b>Qualification and experience</b>	Diploma in Mechanical Engg. or ITI (Fitter/Machinist) with 2 years experience.
<b>Desirable</b>	Post qualification experience in Mechanical workshop / CAD / Design

#### **Application Numbers of Shortlisted Candidates**

1903JTM0005	1903JTM0045	1903JTM0077	1903JTM0101	1903JTM0125
1903JTM0006	1903JTM0047	1903JTM0078	1903JTM0102	1903JTM0128
1903JTM0009	1903JTM0048	1903JTM0079	1903JTM0103	1903JTM0129
1903JTM0014	1903JTM0049	1903JTM0083	1903JTM0104	1903JTM0130
1903JTM0019	1903JTM0053	1903JTM0084	1903JTM0105	1903JTM0131
1903JTM0020	1903JTM0057	1903JTM0085	1903JTM0106	1903JTM0132
1903JTM0022	1903JTM0058	1903JTM0086	1903JTM0107	1903JTM0133
1903JTM0024	1903JTM0060	1903JTM0088	1903JTM0108	1903JTM0136
1903JTM0025	1903JTM0064	1903JTM0089	1903JTM0115	1903JTM0137
1903JTM0026	1903JTM0065	1903JTM0090	1903JTM0116	1903JTM0139
1903JTM0027	1903JTM0066	1903JTM0091	1903JTM0117	1903JTM0140
1903JTM0029	1903JTM0069	1903JTM0092	1903JTM0119	1903JTM0143
1903JTM0031	1903JTM0070	1903JTM0094	1903JTM0120	1903JTM0145
1903JTM0032	1903JTM0071	1903JTM0095	1903JTM0121	1903JTM0151
1903JTM0037	1903JTM0072	1903JTM0097	1903JTM0122	1903JTM0154
1903JTM0039	1903JTM0073	1903JTM0099	1903JTM0123	1903JTM0156
1903JTM0044	1903JTM0075	1903JTM0100	1903JTM0124	1903JTM0158

#### **Schedule:**

<b>Level 1 exam :</b>	<b>13.12.19 (Friday) - 10:00 AM</b>	(Reporting Time: 08: 30 AM)
<b>Level 2 exam :</b>	<b>14.12.19 (Saturday) - 10:00 AM</b>	<i>Only for candidates qualified in Level 1 exam</i>
<b>Level 3 exam :</b>	<b>14.12.19 (Saturday) - 02:00 PM</b>	

#### **Note:**

- All the shortlisted candidates are required to bring original mark sheets (SSLC onwards), degree certificates, experience certificates and valid community certificate (SC/ST/OBC/EWS) at the time of reporting. Employees serving in Govt. Organizations /autonomous bodies are to submit No Objection Certificate from the present employer. Only the Candidates satisfying the requirement will be permitted to attend the written Test.

## Scheme of Examination

### **I. Levels of Exams:**

#### **Level 1:**

All the shortlisted candidates shall write screening test carrying maximum of 100 Marks (Objective type).  
Maximum duration of exam: 2 hours

#### **Level 2:**

It is the subject knowledge test designed to test the candidate's knowledge in the concerned subject of specialization. The questions will be objective/descriptive type carrying maximum of 100 marks.

Maximum duration of exam: 1 hour 30 minutes

#### **Level 3:**

It is the trade test to assess the practical knowledge of the candidate in the concerned subject carrying maximum of 100 marks.

Maximum duration of exam: 1 hour 30 minutes

*\* The standard of questions for the tests will generally be in conformity with education standard prescribed for the post.*

### **II. Weightage of exams:**

#### **Level 1:**

Candidates securing the minimum qualifying marks shall be shortlisted for further evaluation process scheduled on the next day. In case of SC/ST candidates, the minimum qualifying marks is relaxable at the discretion of the competent authority. The marks secured in the screening test shall not be taken into account for preparation of final selection list.

#### **Level 2 & Level 3:**

Level 2 and Level 3 are of qualifying nature and merit list will be prepared based on the following allocation of weightage.

**Level 2 : 60% and Level 3: 40%**

*\*\* In case of tie, suitable criteria decided by duly constituted committee will be followed.*

#### **Note:**

Success in the examination confers no right of appointment unless the candidate fulfills all requirements of the institute.

## Syllabus of Examination

### Level 1:

Verbal Reasoning & Aptitude, General English, General Knowledge, Current affairs

### Level 2:

**Safety:** Concepts of Safe working practices, environment regulation and housekeeping.

**Engineering Drawing:** Principles of dimensioning, symbols, application the first angle and third angle projection, geometrical construction of shapes, orthographic projection, sectioning.

**Materials:** Properties of engineering materials, Iron and Steel, non-ferrous metals and alloys, heat treatment, stress-strain diagrams for engineering materials. Fluids and fluid properties

**Process and machineries:** Hand tools and measurement tools, Different types of castings, design of patterns, moulds and cores; solidification and cooling. Fundamentals of hot and cold working processes; forging, rolling, extrusion, drawing and sheet metal forming processes. Principles of welding, brazing and soldering. Constructional features, Specifications, types, working principles and mechanism in lathe, drilling machine, milling machine, boring machines, shapers, gear hobbing. Working principle of welding, perform Arc & Gas welding and brazing operation.

**Tools:** Basic machine tools; single and multi-point cutting tools, tool geometry and materials, tool life and wear; principles of non-traditional machining processes; principles of jigs and fixtures

### Level 3:

- Lathe, milling, drilling, tapping and grinding operations
- Tooling operations
- Metal joining equipment and operations
- Measuring tools
- Piping and plumbing, sheet metal works