

18 MAY 2018

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
THEORY EXAMINATION

Roll No: _____

Month and Year of the Examination: **May 2018**

Programme: **B.Tech.**

Subject: **Engineering Practice**

Course No: **MEIR11**

Number of Questions to be attempted: **5**

Total No. of Questions: **5**

Semester: **2nd Semester**

Maximum Marks: **50**

Time allowed: **3 Hours**

Total No. of Pages used: **1**

Q1(a). Define welding. Classify the welding process, what are the advantages, disadvantages and application of welding? (6)

Q1(b). List out the equipment required for gas welding. Explain each with sketches. (4)

Q2. How can you classify the metals? Explain with sketches the various types of clamping, marking and measuring tools used in fitting shop. (10)

Q3(a). Describe the various methods of seasoning of timber and their advantage. Explain with neat sketches the various types of chisels used in fitting shop. (5)

Q3(b). Explain the Cupola furnace in detail with neat sketches. (5)

Q4. Explain following terms of lathe by neat sketches:

(i) Lathe bed (ii) Headstock (iii) Tailstock (iv) Carriage (v) three jaw and four jaw chuck. (10)

Q5. Explain the following terms:

(i) Industrial safety (ii) Taps (iii) Cross pean hammer (iv) soldering (10)