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CSIR-CLRI Technician

**Previous Year Paper
(Fitter) Part-B
2016**



TECHNICIAN TRADE TEST

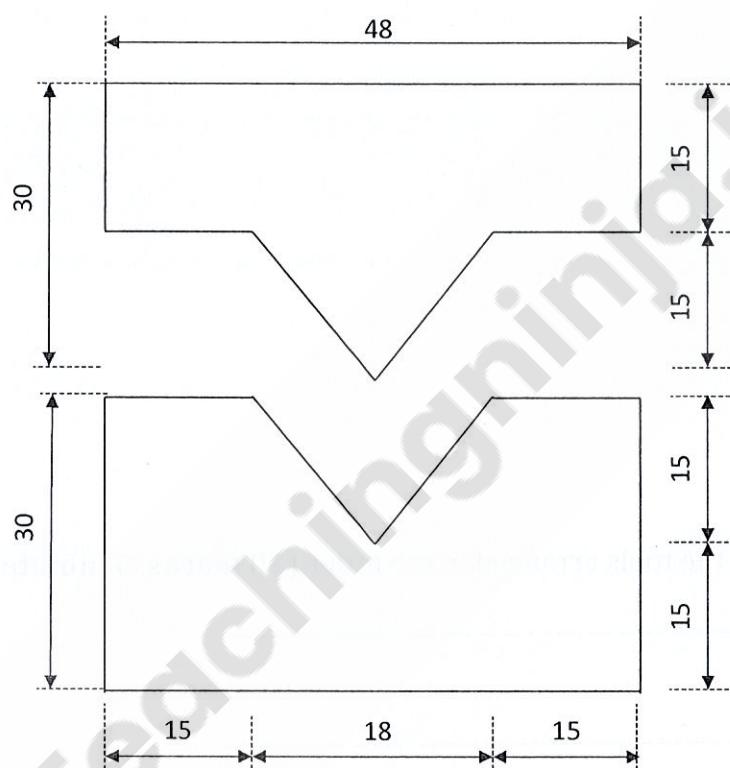
POST CODE: TC 02 UR (CHEMICAL ENGINEERING PILOT PLANT)
PART B EXAM (PRACTICAL)

Total time: 60 minutes

Total marks: 100

ANSWER ALL QUESTIONS

1. Make a 'V' JOINT with the dimensions shown in figure. **(40 marks, 45 minutes)**



Note: All dimensions are in mm

| Allocation of marks | |
|----------------------------|-----------|
| Marking & cutting | 10 |
| Dimensions | 20 |
| Finishing | 10 |
| Total | 40 |

2. Make a job setting with the given specimen in a 4 Jaw chuck lathe machine **(40 marks, 5 minutes)**

3. Identify the different materials in a lathe machine (10 marks, 5 minutes)

4. Identify the tools arranged in the order (10 m)

(ii) *...*

(iii) _____

(iv) _____

(v) _____

1. Create the given letter using MS Word.

Set the header with "Practical Test".

Set the footer with Your Name and Roll No.

Save the letter in a file with name TEST3 in Desktop.

Take a printout of the letter.

2. Create an Excel sheet for the monthly sales of a company in five branch offices.

Plot the data with a suitable chart.

Set the footer with Your Name and Roll No.

Save the sheet in a file with name TEST4 in Desktop.

Take a printout of the same.

3. Create HTML pages for the following details.

Page 1:

Heading: RESUME

Contents: Your personal details (Name, Date of Birth, Address)

Provide a link *next* to Page 2

Page 2:

Heading: QUALIFICATION

Contents: Your educational qualification details (Class Studied, Year of Passing,

Institution studied, Marks obtained)

Provide a link *back* to Page 1.

Save the HTML pages.

Take a printout of the same.

1. Perform crimping on CAT 6 Straight-Thru cable.

a) RJ-45 connectors and cable crimper will be provided to you. You have to crimp a standard RJ-45 cable as per the color coding. **10 Marks**

b) Test the cable by connecting with switch and check the connectivity. **04 Marks**

2. Configure your computer with an IP address manually.

| Computer | IP address | Subnet mask |
|----------|--------------|---------------|
| Host A | 192.168.20.X | 255.255.255.0 |
| Host B | 192.168.20.Y | 255.255.255.0 |

Default Gateway: 192.168.20.1

a) Check the connectivity. **02 Marks**
b) Give the command the find the route to other host. **02 marks**
c) Give the command to show the IP configuration. **02 Marks**

3. Configure Wi-Fi network with following:

Connect the available SSID: **CLRI**

Find out the following from the Wi-Fi configuration

IP address **10 Marks**
Subnet mask
Gateway
DNS:



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TRADE TEST – ELECTRICAL

* Answer all 15 questions

* Each right answer carries 5 marks (3+2)

* Total: 75 marks Time: 30 minutes for identification & 30 minutes for uses

Fill in the blanks with suitable Item name/ component name/ Part name after carefully looking at it and write the uses apart from the one which is given below

Example:

This item is used by Electrical technician. The item is Line Tester

Use: To check phase

1. This is an item used in light fittings. This item is _____
2. This is used as a safety item in electrical circuits. This is _____
3. This is used in sheet metal switches. Name of this part is _____
4. This is used in electrical panels. Name of this item is _____
5. This measuring instrument used in electrical field. This is _____
6. This is used in domestic power boards. The item is _____
7. This is used for controlling power. The item is _____
8. The size of this under ground cable is _____ core _____ sqmm
9. This is an electrical measuring instrument and the name is _____
10. This is a fuse unit. The material of this fuse unit is _____
11. This is used in cable termination. The item is _____
12. This part is used in motor starters and the item is _____
13. This is used for high power equipment. The item is _____ plug top.
14. This component is used in starters. This is _____
15. This item is used in place of switch and the item is _____

----- END -----

Central Leather Research Institute (CLRI), Chennai

Trade Test for Technician (1) TC 07 & TC 08

Part B: (Practical) Attend either 1 or 2 or 3 as applicable

Duration: 60 minutes

$1 \times 75 = 75$ marks

1. (i). Fabricate the Collar/Pocket, with the patterns and materials given (50 marks)
(ii). Write down the procedure of the product fabricated (25 marks).
or
2. (i). Fabricate the small leather goods using the patterns and materials given (50 marks)
(ii). Write the procedure (25 marks).
or
3. (i). Fabricate the Footwear upper using the patterns and materials given (50 marks)
(ii). Write down the procedure (25 marks).

