


SYLLABUS FOR WRITTEN EXAMINATION TO THE POST OF TECH-III IN LEVEL-2/GP RS. 1900/-
AGAINST 25% LDCE QUOTA IN DANAPUR ENGINEERING DEPARTMENT.

1. Syllabus for Plumber & Fitter


- a. Knowledge of tools, operations & safety practices.
- b. Knowledge of forging operations & tools
- c. Tiny smity-Tools, sheet metal joints, soldering etc
- d. Foundry practice
- e. Knowledge of lathe working
- f. Measurements and cutting parameters
- g. Knowledge of Plumbing tools
- h. Pipe fittings & layout of pipes
- i. Safety precautions.
- j. Knowledge regarding layout and maintenance of pipe line & fitting for water supply system.


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1. Syllabus for Mason

- a. Knowledge regarding tools of mason
- b. Knowledge regarding properties of building material
- c. Knowledge regarding brick masonry .
- d. Knowledge regarding concreting
- e. Knowledge regarding plastering and pointing works
- f. Knowledge regarding flooring, paving & dado
- g. Safety precautions concreting works
- h. Knowledge regarding measurements & simple estimation
- i. Safety precautions during working.

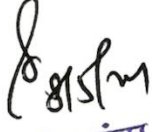

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1. Syllabus for Blacksmith


- a. Knowledge regarding tools of welder
- b. Knowledge regarding drilling of holes
- c. Knowledge regarding drilling of holes for gapless joint
- d. Knowledge regarding chamfering of holes
- e. Knowledge regarding use of abrasive rail grinding machine
- f. Knowledge regarding rail drilling machine
- g. Safety precautions during working in the track
- h. Knowledge regarding Way, works and bridges connected with the trade.
- i. Knowledge regarding standard operations (blacksmith)
- j. Knowledge regarding safety during work.


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1. Syllabus for Welders

- a. Knowledge regarding tools of welder
- b. Knowledge regarding electrodes
- c. Knowledge regarding various welding techniques- Arc welding, Gas welding, etc.
- d. Knowledge regarding Thermit welding
- e. Knowledge regarding reconditioning of X-ings
- f. Knowledge regarding building up of rail ends by welding
- g. Safety precautions during working in the track
- h. Knowledge regarding Way, works and bridges connected with the trade.
- i. Knowledge about standard operations (welder)


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