



# Vidya Jyothi Institute of Technology

(Accredited by NAAC, NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTUH)  
Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Department: Electrical and Electronics Engineering

### Innovative Teaching Methods - 2020 - 2021

**Title of Innovative Method:** Quiz using Google forms

**Faculty:** D.Srinivas

**Designation:** Associate Professor

**Course Name:** Utilization of Electrical Energy

**Objective of the Method:** This activity consists of a set of questions related to the topics in each chapter. These quizzes can assess their learning and interest to learn more effectively and perform better in subsequent lecture sessions.

**Topic covered through the activity:** Electric heating and welding

**Description of the method:** In this method, quizzes will be conducted through google forms made up of multiple choice, missing words etc., Each student is asked to complete the quiz individually, then call out the answers to mark. Once the answers are marked, the students will be placed in groups so that they can explain their answers and help each other search the correct answer.

**Benefit of the Method:** These quizzes help the students think back to the information previously learned, evaluate learning progress and transfer knowledge from theory to real world practice.

### Google Form

The screenshot shows a Google Form interface. At the top, the title 'Electric heating and Welding' is visible, along with navigation icons and a 'Send' button. Below the title, there are tabs for 'Questions', 'Responses' (with a count of 62), and 'Settings'. The 'Questions' tab is active, showing a form with the following fields:

- Section 1 of 22**
- Electric Heating and Welding** (Form title)
- Form description** (Text input field)
- Email \*** (Text input field with a red asterisk, indicating it is required)
- Valid email address** (Text input field)
- This form is collecting email addresses. Change settings** (Text with a link)
- Roll Number** (Text input field with a red asterisk, indicating it is required)
- Short-answer text** (Text input field)

On the right side of the form, there is a vertical toolbar with icons for adding questions, deleting, moving, and other actions. A help icon (?) is located at the bottom right corner of the form area.

Electric heating and Welding

Questions Responses 62 Settings Total points: 20

After section 3 Continue to next section

Section 4 of 22

Untitled section

Description (optional)

----- has the highest value of thermal conductivity \*

- Copper
- Aluminum
- Brass
- Steel

Electric heating and Welding

Questions Responses 62 Settings Total points: 20

After section 3 Continue to next section

Section 3 of 22

Untitled section

Description (optional)

Which of the following is an advantage of heating by electricity \*

- Quicker operation
- Higher efficiency
- Absence of flue gases
- All of the above

After section 3 Continue to next section

Name of the student \*

Short-answer text

Electric heating and Welding

Questions Responses 62 Settings Total points: 20

After section 3 Continue to next section

Section 3 of 22

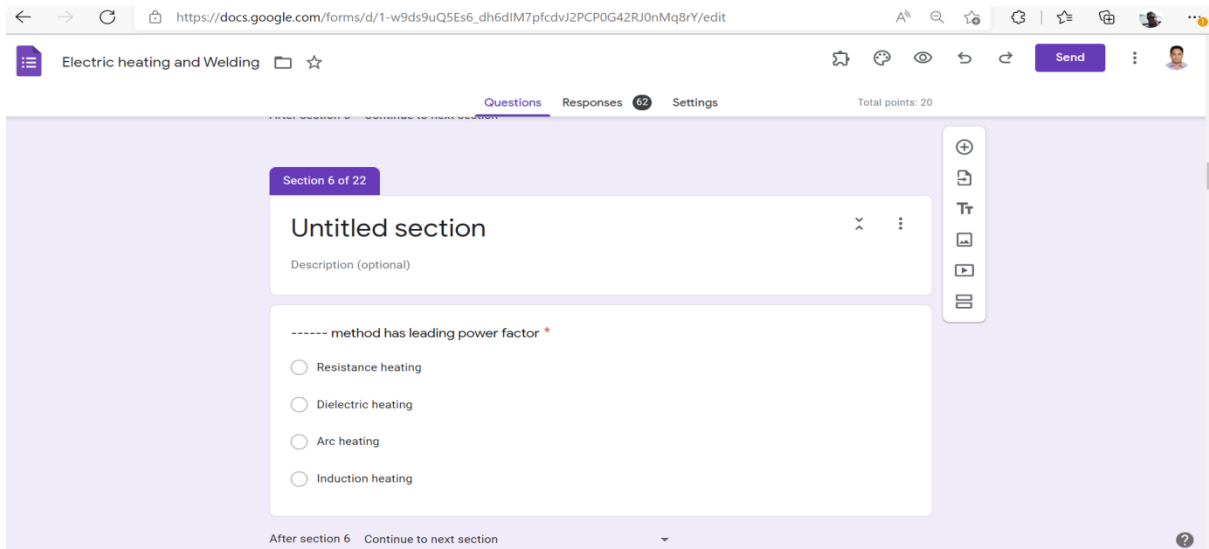
Untitled section

Description (optional)

Which of the following is an advantage of heating by electricity \*

- Quicker operation
- Higher efficiency
- Absence of flue gases
- All of the above

After section 3 Continue to next section



**Fig:** Google forms

**Outcome:** The academic performance of the students improved.

**For review contact:** [srinivas@vjit.ac.in](mailto:srinivas@vjit.ac.in)