



UNIVERSAL ENGINEERING COLLEGE

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

ACTIVITY BASED LEARNING

COURSE: EET 304 POWER SYSTEMS II

SEMESTER: VI

FACULTY: LATHA THOMAS

ACTIVITY TITLE: QUIZ

VENUE: GOOGLE FORM

DATE:08/02/2023

PARTICIPANTS: S6 EEE 2020-2024 BATCH

Purpose of the Activity:

To assess students' understanding of concepts in **Power Systems II** and reinforce important topics such as power system analysis, faults, protection, and stability. It promotes digital assessment methods using online tools to provide quick evaluation and feedback.

Activity description:

A quiz was conducted for **EET 304 – Power Systems II** using Google Form as an online assessment platform. The quiz consisted of multiple-choice and short-answer questions covering key topics from the syllabus.

The Google Form link was shared with students, and a specific time duration was given to complete the quiz. The form was set to automatically record responses and generate scores instantly.

Students actively participated and completed the quiz within the allotted time. The response summary feature helped in analyzing overall class performance and identifying areas that require further improvement.

Participants actively shared examples from daily life and current environmental issues. The discussion was interactive, and students respected each other's viewpoints while presenting their arguments. Faculty members observed and evaluated students based on communication skills, confidence, content knowledge, and teamwork.

LINK:

https://docs.google.com/forms/d/e/1FAIpQLSf2RbMoidarxkMETx4i7rK2Y_y360OGQeT-X7fPRnGdgMOgbg/viewform

EET 304 POWER SYSTEMS II

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* Indicates required question

1. Single line diagram of which of the following power system is possible? 2 points

Power system with LG fault

Balanced power system

Power system with LLG fault

2. A power system will have greater flexibility of operation if they have _____ 2 points

Only Base load plants operating in combination

Various types of power plants operating in combination

Only Peak load plants operating in combination

For a given power system, its zero and maximum regulation will occur at the impedance angle of 2 points

45

60

35

4. A protection system engineer is planning to provide the complete protection, he can achieve this by _____ 2 points

a two phase fault relays and three earth fault relays

two phase fault relays and three earth fault relays

three phase fault relays and two earth fault relays

5. Which of the following is not neglected during formation of reactance diagram from impedance diagram? 2 points

Shunt component of Transformers

Static loads

Resistance of various power system components

Conclusion:

The quiz conducted through Google Form for **EET 304 – Power Systems II** was successfully completed. It served as an effective tool to evaluate students' understanding and reinforce subject knowledge.

Overall, the activity enhanced student engagement, improved conceptual clarity, and demonstrated the effectiveness of digital learning and assessment methods.