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**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF ENGINEERING
MID TERM EXAMINATION - DEC 2023**

Semester : Semester I - 2023
Course Code : ENG1002
Course Name : Technical English
Program : B.Tech. Civil Engineering

Date : 09-12-2023
Time : 9:00 AM - 10:30 AM
Max Marks : 50
Weightage : 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS

(5 X 2 = 10M)

1. Identify four ways to write a final invitation before ending the email. (CO1) [Knowledge]
2. Identify three do's and three don'ts in email writing mentioned in the syllabus. (CO1) [Knowledge]
3. Describe the conventions of technical communication. (CO1) [Knowledge]
4. Describe Noise in communication. Give example (CO1) [Knowledge]
5. Define receptive and productive skills in communication. (CO1) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(4 X 5 = 20M)

6. Actively taking notes during class can help you focus better and understand core concepts. As a student of engineering, illustrate the strategies you will adopt to effectively organise your notes. (CO1) [Comprehension]
7. Communication is fundamental to the existence and survival of humans as well as to an organization. Communication is the key to the Directing function of management. Now, explain communication process with illustrations? (CO1) [Comprehension]
8. Explain the differences between technical communication and general communication based on the provided distinguishing features. (CO1) [Comprehension]
9. 1. Refer to the below given example of an email. Identify the missing C's of communication and comment on each aspect.

Subject: Request for Sick Leave

Dear Sir,

Give me sick leave from 26th -28st Decembar 2022, as I will be undergong treatment for Conjunctivitis. At the recomendaton of my doctor, I nid take off from work for 1 wik as recovry period. I hope to be back to work on 29th Decembar.

Pls let me now if you hve any quesions.

By the way, a rumour about our accountant is going around. Will share all the interesting details soon!

Regards,

Stacy Fernandes

Business Analyst

The Zeto Company

(CO1) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

10. 10. a) Apply note-making techniques to organize complex technical information of the following report. In recent years, the demand for sustainable energy solutions in urban environments has surged due to escalating concerns about climate change and the depletion of conventional energy resources. Renewable energy sources have emerged as promising alternatives, offering a greener and more sustainable way to meet the growing energy needs of urban areas. Four major sources of renewable energy have gained significant traction: solar energy, wind power, hydropower, and geothermal energy.

Solar energy harnesses the power of the sun, converting sunlight into electricity using photovoltaic cells. It stands as a highly abundant and clean energy source, reducing reliance on fossil fuels and lowering greenhouse gas emissions. Challenges in solar energy adoption lie in its intermittent nature and the need for efficient energy storage systems.

Wind turbines capture kinetic energy from the wind, generating electricity. Wind power represents a mature and widely adopted renewable source, with advancements in turbine technology enhancing efficiency and output. However, concerns about the visual impact, noise, and intermittent wind patterns pose challenges to widespread adoption.

Hydropower taps into the energy of flowing or falling water to generate electricity. It offers a consistent and reliable energy supply, contributing to grid stability. Yet, hydropower projects can have environmental and social impacts, such as habitat disruption and displacement of communities.

Geothermal energy utilizes the Earth's heat from within to produce electricity and heat buildings. It presents a reliable and continuous energy source with minimal greenhouse gas emissions. However, its widespread application is limited to regions with significant geothermal resources.

Policy recommendations for sustainable integration of these renewable energy sources into urban landscapes necessitate thorough examination and consideration of their respective advantages and challenges, aiming for a balanced and eco-friendly energy portfolio.

10. 0. b) Please go through the given below job notification

Job Notification: Lead Developer at XYZ Corporation

About Us:

XYZ Corporation is a dynamic and innovative company specializing in cloud architecture. We are currently seeking a highly motivated and skilled Marketing Specialist to join our team.

Position: Lead Developer, Location: Bengaluru, Job Type: Full-time

Key Responsibilities:

11. Lead and mentor a team of developers in designing and implementing high-quality, scalable, and efficient cloud-based solutions.

12. Collaborate with cross-functional teams to analyze requirements, develop technical specifications, and deliver solutions that meet client needs.

13. Stay updated with emerging trends and technologies in cloud architecture to optimize and enhance our development processes.

14. Ensure compliance with coding standards, software quality, and performance best practices.

Qualifications:

15. Bachelor's or Master's degree in Computer Science, Engineering, or a related field

16. Minimum of [number of years] years of experience in cloud-based application development and architecture.

17. • Proficient in cloud platforms such as AWS, Azure, or Google Cloud Platform.

18. Strong programming skills in languages such as Python, Java, or C++

Application Process:

Interested candidates are invited to apply by sending their resume and a cover letter to 'careers@xyzcorporation.com' with the subject line "Application for Lead Developer Position - [Your Full Name]". Please ensure that your application is submitted by November 5, 2023.

XYZ Corporation values diversity and is an equal opportunity employer.

Use the above job notification as a reference to compose the formal email for the job application.