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**PRESIDENCY UNIVERSITY**

**Bengaluru**

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| **End - Term Examinations – JANUARY 2025** |
| **Date:** 15 – 01- 2025 **Time:** 09:30 am – 12:30 pm |

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| **School:** SOE | **Program:** B. Tech- ECE | |
| **Course Code:** ENG1015 | **Course Name:** Professional Communication Skills for  Engineers | |
| **Semester**: VII | **Max Marks**: 100 | **Weightage**: 50% |

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| **CO - Levels** | **CO1** | **CO2** | **CO3** | **CO4** | **CO5** |
| **Marks** | **50** | **50** |  |  |  |

**Instructions:**

1. *Read all questions carefully and answer accordingly.*
2. *Do not write anything on the question paper other than roll number.*

**Part A**

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| **Answer ALL the Questions. Each question carries 2marks. 10Q x 2M=20M** | | | | |
| **1** | List the main features of connected speech. | **2 Marks** | **L1** | **CO1** |
| **2** | Outline the structure of a formal email. | **2 Marks** | **L1** | **CO1** |
| **3** | State the best ways to begin an extempore speech. | **2 Marks** | **L1** | **CO1** |
| **4** | Describe how you would conclude an impromptu speech effectively. | **2 Marks** | **L1** | **CO1** |
| **5** | Recall the effective ways to grab the audience’s attention at the beginning of an informative speech. | **2 Marks** | **L1** | **CO1** |
| **6** | Enumerate the transition words, and how do they help improve the flow of a paragraph. | **2 Marks** | **L1** | **CO2** |
| **7** | State the role of headings and subheadings in organizing notes. | **2 Marks** | **L1** | **CO2** |
| **8** | Write any two phrases for introduction in graph analysis. | **2 Marks** | **L1** | **CO2** |
| **9** | Outline the structure of a report. | **2 Marks** | **L1** | **CO2** |
| **10** | Describe what makes a proposal persuasive. | **2 Marks** | **L1** | **CO2** |

**Part B**

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| **Answer the Questions Total 80 Marks.** | | | | | |
| **11.** | **a.** | Explain the key elements of an effective email structure and their role in ensuring clear and professional communication with an example. | **20 Marks** | **L2** | **CO1** |
| **or** | | | | | |
| **12.** | **a.** | Describe the importance of adhering to a consistent email format in both formal and informal communication. How do elements like structure, language, and punctuation differ between these two types of emails? | **20 Marks** | **L2** | **CO1** |
|  |  |  |  |  |  |
| **13.** | **a.** | Discuss the importance of extempore speech in developing communication skills, quick thinking, and confidence. How can the ability to speak spontaneously benefit individuals in academic, professional, and social settings? | **20 Marks** | **L2** | **CO1** |
| **or** | | | | | |
| **14.** | **a.** | Differentiate between informative and persuasive speeches in terms of their use of emotions, logic, and credibility to connect with the audience, and explain how these elements impact their effectiveness, with suitable examples. | **20 Marks** | **L2** | **CO1** |

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| **15.** | **a.** | **Read the passage thoroughly and prepare concise notes, using headings, subheadings, and abbreviations where necessary:**  In recent years, the importance of renewable energy has gained significant attention due to the growing concerns about climate change, environmental degradation, and the depletion of non-renewable resources. Renewable energy, derived from natural sources that are replenished consistently, includes solar, wind, hydro, geothermal, and biomass energy. These energy sources are sustainable, eco-friendly, and play a crucial role in addressing the world's energy demands while reducing the harmful effects of fossil fuels.  Solar energy is harnessed from the sun's rays using solar panels. This is one of the most widely used forms of renewable energy, as the sun is an abundant and inexhaustible source of power. Solar energy can be used for electricity generation, heating, and even powering vehicles.  Wind energy is captured through wind turbines, which convert wind motion into electricity. Wind farms, located in areas with high wind speeds, are an effective way to generate large-scale electricity without the adverse effects associated with fossil fuels.  Hydropower or hydroelectric energy uses water flow to generate electricity. Dams are often built across rivers to store water, which, when released, drives turbines to produce power. It is one of the oldest and most reliable renewable energy sources, particularly in countries with abundant water resources.  Geothermal energy taps into the Earth's natural heat, often from underground reservoirs of steam or hot water. This energy is used for electricity production, as well as heating buildings. Countries like Iceland and New Zealand have successfully utilized geothermal energy for decades.  Biomass energy is derived from organic materials like plants, agricultural waste, and even some forms of waste products. These materials are burned or converted into biofuels that can be used for heating, electricity generation, or transportation.  Renewable energy sources do not emit harmful greenhouse gases such as carbon dioxide (CO2), which are responsible for global warming and climate change. By switching to renewable energy, countries can significantly reduce their carbon footprints, mitigating the impact of climate change.  Unlike fossil fuels, which are finite and depleting, renewable energy sources are sustainable and will never run out. The sun will always shine, the wind will always blow, and water will always flow, making renewable energy a long-term solution to the world’s energy needs.  The renewable energy sector has become a major source of employment, providing jobs in industries like solar panel manufacturing, wind turbine production, and hydroelectric plant management. The growth of these industries boosts local economies and encourages innovation.  By investing in renewable energy, nations can reduce their reliance on imported fossil fuels, improving energy security and sovereignty. This helps to stabilize energy prices and reduces the geopolitical risks associated with energy supply disruptions.  Fossil fuels are a major contributor to air pollution, which leads to respiratory diseases and other health problems. Renewable energy, on the other hand, generates power without emitting harmful pollutants, leading to better air quality and improved public health.  While the cost of renewable energy technologies has been decreasing over time, the initial investment required for infrastructure such as solar panels, wind turbines, and power storage can be quite high. This can be a barrier for developing countries and smaller businesses looking to switch to renewable sources.  Some renewable energy sources, such as solar and wind, are intermittent and depend on weather conditions. This makes it challenging to ensure a consistent energy supply, especially in regions where weather patterns are unpredictable. However, advancements in energy storage and grid management are helping address this issue.  Renewable energy facilities, particularly wind farms and solar power plants, require large amounts of space to be effective. In densely populated areas or regions with limited available land, finding suitable locations for these facilities can be a challenge.  Despite the challenges, renewable energy holds the key to a sustainable future. As technology continues to improve, the efficiency and affordability of renewable energy sources will increase, making them more accessible to everyone. Governments, industries, and individuals must continue to invest in renewable energy to reduce reliance on fossil fuels and ensure a cleaner, healthier planet for future generations.  The importance of renewable energy cannot be overstated. It offers an eco-friendly, sustainable, and reliable solution to the world's growing energy demands. While challenges remain, the benefits far outweigh the drawbacks. By transitioning to renewable energy, we not only combat climate change but also create a more sustainable and prosperous future for all. | **20 Marks** | **L3** | **CO2** |
| **Or** | | | | | |
| **16.** | **a.** | Imagine that you have received a grant of Rs. 1,80,000 for implementing a waste management system in a community. Write a six-month progress report to the Project Grant Committee summarizing the completed work, future plans, budget usage, and outcomes so far. | **20 Marks** | **L3** | **CO2** |

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| **17.** | **a.** | The Pie chart below shows Morocco’s income from different economic sectors in 2003, as well as its income from fishing from 1982 to 2003. Write an analysis on the significant changes observed in the contribution of fishing to Morocco's overall income during this period. | **20 Marks** | **L3** | **CO2** |
| **Or** | | | | | |
| **18.** | **a.** | Write a Project proposal to you Dean to create a student database for future projects. | **20 Marks** | **L3** | **CO2** |

**\*\*\*\*\* BEST WISHES \*\*\*\*\***