Roll No.												

PRESIDENCY UNIVERSITY

BENGALURU

End - Term Examinations – December 2025

Date: 08 – 12 - 2025 **Time:** 09:30am – 12:30pm

School: ALL COMMOM SCHOOL	**Program:** ALL COMMON PROGRAM	
Course Code: ENG1900	**Course Name:** English for Technical Communication	
Semester: I	**Max Marks**: 100	**Weightage**: 50%

CO - Levels	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**
Marks	**24**	**24**	**26**	**26**	

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks. **10Q x 2M=20M**

1.	List any two characteristics of technical English	**2 Marks**	**L1**	**CO1**
2.	State the role of tone of voice in communication.	**2 Marks**	**L1**	**CO1**
3.	Recall any two features that make technical texts precise.	**2 Marks**	**L1**	**CO2**
4.	Identify the three main phases of reading comprehension.	**2 Marks**	**L1**	**CO2**
5.	Enlist the key purposes of writing paragraphs.	**2 Marks**	**L1**	**CO3**
6.	Outline any two guidelines for the ethical use of AI.	**2 Marks**	**L1**	**CO3**
7.	Enumerate any two differences between a poor and a well-structured prompt.	**2 Marks**	**L1**	**CO3**
8.	Tabulate the key features of a good presentation.	**2 Marks**	**L1**	**CO4**
9.	Recognize the role of visuals in a presentation.	**2 Marks**	**L1**	**CO4**
10.	Enlist the three main questions answered in an idea pitch.	**2 Marks**	**L1**	**CO4**

Part B

Answer the Questions. **Total Marks 80M**

11.	**a.**	Explain why precision and objectivity are more crucial in technical communication than in general communication.	**10 Marks**	**L2**	**CO1**
	b.	Discuss the importance of effective communication in engineering and technical professions.	**10 Marks**	**L2**	**CO1**
		Or			
12.	**a.**	Summarize the functions of verbal communication in professional settings such as meetings, presentations, and discussions.	**10 Marks**	**L2**	**CO1**
	b.	Interpret the importance of structure and format in technical communication as compared to general communication.	**10 Marks**	**L2**	**CO1**

13.	**a.**	**Read the following comprehension passage and answer the questions given below:** **Autonomous Vehicles and Road Safety** Autonomous vehicles, also known as self-driving cars, are one of the most remarkable innovations of the modern era. They use a combination of sensors, cameras, radar, and artificial intelligence to navigate roads without human intervention. These vehicles can interpret traffic signals, detect pedestrians, and respond to other vehicles on the road. By eliminating human error—the primary cause of road accidents—autonomous technology promises safer and more efficient transportation systems worldwide. Companies like Tesla, Google, and Uber are leading the development of self-driving cars that are currently being tested in several cities. One of the major advantages of autonomous vehicles is their ability to communicate with each other using Vehicle-to-Vehicle (V2V) technology. This allows them to share information about traffic conditions, road hazards, and optimal routes in real time. As a result, self-driving cars can prevent traffic congestion and reduce travel time. Moreover, these vehicles are equipped with advanced algorithms that can predict and avoid potential collisions faster than human drivers. With continuous software updates, they are capable of learning from data collected on every journey, improving safety over time. However, challenges still remain before autonomous vehicles can become mainstream. Technical issues such as sensor failures, cyberattacks, and complex weather conditions can pose risks to safety. Ethical dilemmas—like how a car should react in unavoidable accident scenarios—also raise questions about programming responsibility. Additionally, governments must establish laws and safety standards for autonomous driving. Despite these challenges, experts believe that autonomous vehicles will significantly reduce road accidents, improve fuel efficiency, and transform global transportation in the near future. Answer the following Questions: 1.What are autonomous vehicles and how do they function?	**10 Marks**	**L3**	**CO2**

		2.Which technologies help self-driving cars detect surroundings? 3.What is the main goal of developing autonomous vehicles? 4.Name two companies working on autonomous vehicle technology. 5.What is V2V communication, and why is it important? 6.How does data sharing among vehicles improve traffic management? 7.What technical risks are associated with autonomous driving? 8.What ethical issue arises in self-driving car technology? 9.What role should governments play in autonomous vehicle adoption? 10.Mention two long-term benefits of using autonomous vehicles.			
	b.	Restate the essential strategies involved in effective note-making.	**10 Marks**	**L2**	**CO2**
Or					
14.	**a.**	**Read the following passage carefully and make suitable notes, using headings, sub-headings, and abbreviations wherever necessary:** Climate change refers to long-term shifts in global weather patterns caused mainly by human activities. Burning fossil fuels for energy releases greenhouse gases such as carbon dioxide and methane into the atmosphere. These gases trap heat and cause global temperatures to rise, leading to global warming. Industrial growth, urbanization, and deforestation have intensified this process over the past century. Scientists worldwide warn that the planet is warming faster than ever before, endangering life on Earth. The effects of climate change are visible everywhere. Melting glaciers and polar ice are causing sea levels to rise, threatening coastal communities. Extreme weather conditions such as hurricanes, droughts, and heatwaves have become more frequent. Agricultural productivity is declining in many regions, while water scarcity is growing. Biodiversity is under severe threat as habitats shrink and species struggle to adapt. These consequences are not distant possibilities—they are current realities affecting millions today. The industrial sector, transport systems, and deforestation are the biggest contributors to greenhouse gas emissions. Engineering solutions can play a vital role in reducing their impact. Renewable energy technologies such as solar, wind, and hydroelectric power offer sustainable alternatives. Energy-efficient machines, green buildings, and waste management systems are helping lower carbon footprints. Engineers are developing innovative designs to capture and store carbon, demonstrating how technology can be both productive and eco-friendly. Global efforts are being made to address the crisis through international agreements and cooperation. The Paris Climate Agreement encourages nations to limit temperature rise and shift to renewable resources. Organizations like the United Nations promote policies for sustainable development. Research institutions and universities are investing in green technology	**10 Marks**	**L3**	**CO2**

		and environmental education. Collaboration between governments, industries, and individuals is essential to ensure meaningful progress toward a sustainable future. Every individual can contribute to the fight against climate change through responsible actions. Reducing plastic use, conserving water, and recycling can make a measurable difference. Using public transport, planting trees, and supporting clean energy initiatives help protect the planet. Climate change is a collective challenge that demands awareness, discipline, and innovation. Together, humanity can balance growth with sustainability and secure a healthier world for future generations.			
	b.	Outline the purpose and types of content analysis and how it helps in understanding written material.	**10 Marks**	**L2**	**CO2**

15.	**a.**	Write a paragraph of about 200 words for the topics given below: i. The Role of Technology in Modern Education ii. Importance of Time Management for Engineers	**10 Marks**	**L3**	**CO3**
	b.	Express the key elements of an effective report — purpose, audience, language, and structure — with examples.	**10 Marks**	**L2**	**CO3**
		Or			
16.	**a.**	Apply the standard report structure (Executive Summary, Introduction, Methodology, Results, Conclusion, Recommendations) to draft an outline for a project on Smart Waste Segregation System for urban environmental management.	**10 Marks**	**L3**	**CO3**
	b.	Extrapolate the PEACE formula and explain how each element contributes to writing an effective AI prompt.	**10 Marks**	**L2**	**CO3**

17.	**a.**	Identify how the purpose and audience differ in public speaking and presentations.	**10 Marks**	**L2**	**CO4**
	b.	Discuss the distinction between macro and micro elements of a presentation with suitable examples.	**10 Marks**	**L2**	**CO4**
		Or			
18.	**a.**	Explain the way visual aids, tone, and structure vary among the three types of presentations with ample examples.	**10 Marks**	**L2**	**CO4**
	b.	Illustrate the importance of slide design and layout in enhancing presentation effectiveness.	**10 Marks**	**L2**	**CO4**