

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Autonomous)
Vignana Jyothi Nagar, Bachupally, (via) Kukatpally,
Hyderabad-500 090
III-B.TECH – I-SEM.
ADVANCED ENGLISH COMMUNICATION SKILL LAB EXTERNAL EXAM 2023-24
DoE: 09.01.2024 FN

Time: 3 Hours

BRANCH: ECE-C

Max. Marks: 70

Section- I

- 1. Participation in the Group Discussion (Speaking and Listening Skills). 20 Marks**

Section- II

(Reading and Writing Skills) Marks: 1X 15 =15

- 2. Draft a Technical Report to be submitted to the IT Minister of Telangana, Hyderabad, highlighting the importance of turning the city into a 5G enabled one, its usefulness, proposed budget, infrastructure, equipment, and other amenities required.**

The fifth-generation (5G) network represents a revolutionary leap in wireless technology, offering unprecedented speed, low latency, and enhanced connectivity. With data transfer rates exponentially faster than its predecessor, 5G is poised to transform industries, enabling advancements in fields such as augmented reality, autonomous vehicles, and the Internet of Things. This cutting-edge network promises to redefine how we communicate and interact with technology, ushering in an era of unparalleled connectivity and innovation.

Conduct a detailed technical assessment of the challenges and opportunities in the deployment of 5G technology. Begin by providing an overview of the key features and requirements of 5G network. Explore the potential applications and benefits, emphasizing its impact on various industries and technological landscapes. Investigate the challenges related to infrastructure development, spectrum allocation, and security concerns associated with the widespread adoption of 5G. Propose strategies and solutions to address these challenges and enhance the successful implementation of 5G technology. Conclude the report by discussing the anticipated evolution of 5G network and its role in shaping the future of wireless communication in the realm of Electrical and Computer Engineering.

Section- III

(Workplace Writing and Behavioural Skills)

Marks: 4X5=20

- 3. You are the Secretary of the NSS Club of your college. Prepare an agenda for a meeting to be held on 24.01.2024 to discuss the celebration of Republic Day 2024 in your college campus. (35-50 Words)**
- 4. Write minutes for the Agenda you would prepare for question number 3.**

5. Write an email to the HR Manager, Capgemini, requesting for a one-day Industrial visit to their Hyderabad Campus as part of your Academic Requirement, explaining how it will enhance your knowledge of the industry. (35-50 Words)

5. Summarize the following text in your own words: (35-50 Words)

Automated cars, powered by advanced sensors and artificial intelligence, herald a new era in transportation. These self-driving vehicles use a combination of LiDAR, radar, and cameras to navigate their surroundings, making split-second decisions for acceleration, braking, and steering. With the potential to enhance road safety, reduce traffic congestion, and provide increased accessibility, automated cars represent a transformative shift in the automotive landscape. As technology continues to evolve, these vehicles hold the promise of revolutionizing the way we travel.

Section- IV
(Interview Skills)

Marks: 1X15=15

5. **Job description**

Dear Job Seekers, **Telemania** has openings for **Electronics & Communication Engineer Fresher | Trainee** who will be responsible for designing, developing, and testing electronic systems, components, and devices.

Role- Assistant Electronics & Communication Engineer Fresher| Trainee

Experience- Fresher

Job Location- Bangalore

Eligibility-B.Tech/B.E. Electronics & Communication Engineering / EEE /ECE/ETC

Here are the key responsibilities:

- Designing electronic systems
- Research and development support
- Testing and troubleshooting
- Prototyping and manufacturing

Qualifications and Skills:

- Bachelor's or master's degree in electrical or electronics engineering, or a related field.
- Strong knowledge of electronics principles, circuit design, and signal processing.
- Proficiency in using CAD software for circuit design and simulation.
- Excellent communication and teamwork skills to collaborate effectively with interdisciplinary teams.
- Attention to detail, organizational skills, and the ability to manage multiple projects simultaneously.

Education: UG: B.Tech/B.E. in Electronics/Telecommunication

Address:

Chief Manager (HR)

Telemania

Bangalore – 600786.

Apply with your Cover Letter and Resume on or before 26.01.2024.