



*R22 Regulation*

*Subject code: 4E1AJ*

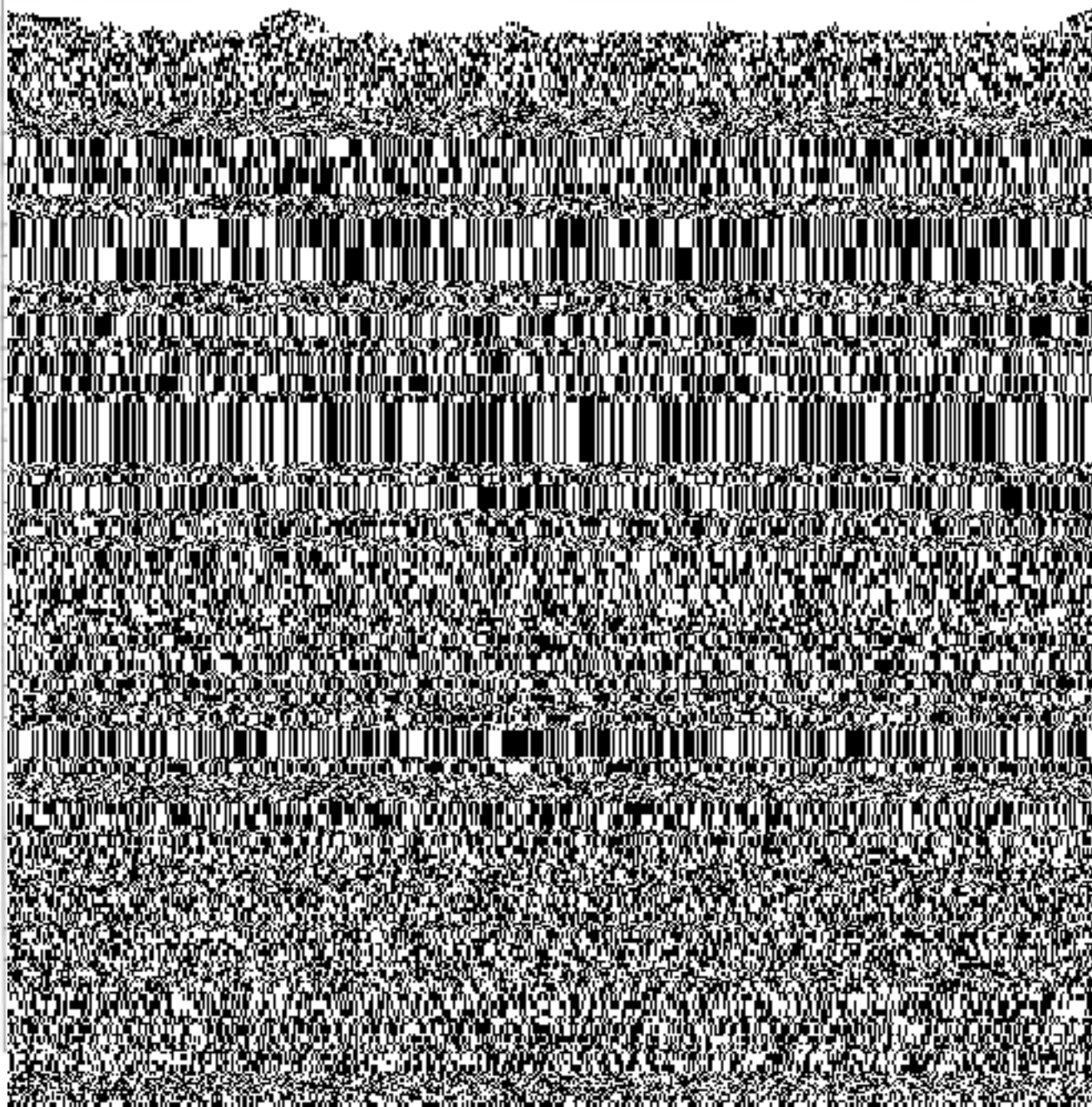
**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Autonomous, Accredited by NAAC with 'A+' Grade)

**B.Tech I Semester Regular/Supplementary Examinations, January 2025**

**C PROGRAMMING FOR PROBLEM SOLVING**

*(Common to EEE, ECE, CSE, CSE(AIML) & CSE(DS))*



6	A. What is a pointer explain how the pointer variable declared and initialized? [5M]	CO2	BTL1
	B. List and Explain string manipulation library functions with their syntaxes. [5M]	CO2	BTL4
OR			
7	A. What is function? Explain different classification of user defined functions based on parameter passing and return type with examples? [5M]	CO3	BTL1
	B. Discuss about pointers to pointers using example? [5M]	CO3	BTL4
8	A. What is union? Differentiate between unions and structures? [5M]	CO3	BTL2
	B. Briefly discuss about bit fields in C with examples. [5M]	CO3	BTL2
OR			
9	A. Explain different categories of pre-processor commands used in C. [5M]	CO4	BTL2
	B. Write about passing structures through pointers. [5M]	CO4	BTL2
10	A. Why files are needed? List the opening modes in standard I/O? [5M]	CO5	BTL5
	B. Write about the different types of file streams? Explain. [5M]	CO5	BTL1
OR			
11	A. Differentiate between text files and binary files? [5M]	CO5	BTL4
	B. Write short note on ftell() and rewind() with example? [5M]	CO5	BTL1