APPENDIX

C PROGRAMMING

Questions asked in the previous examinations

Unit 1:

1. Write an algorithm and draw the flowchart for finding maximum of given three numbers?
   (GRIET JUNE 2012)

2. Explain about the following operators with example i) Bitwise operators ii) increment & decrement operators?
   (GRIET JUNE 2012)

3. Explain the format control string and type conversion specification of print() & scanf() statements?

4. i)Draw a flowchart to determine whether the given number is prime or not?
   ii)

5. Write the algorithm and flowchart for finding the maximum and minimum among given "n" numbers? (GRIET JUNE 2013)

6. What is the significance of operator precedence? Explain it using suitable C expressions?
   (GRIET JUNE 2013)

7. Why C is known as middle level language? Explain the features in support of your argument? (GRIET JUNE 2013)

8. What are the steps in the Program Development Cycle? (GRIET JUNE 2015)

9. How many Relational Operators are there? What are they? (GRIET JUNE 2015)

10. What are the different Data Types available in C Language? (GRIET JUNE 2015)

11. Write a program to find the greater of two numbers without using if statements?
    (GRIET JUNE 2015)

Unit 2:

1. Explain the difference between 'while', 'do-while' and 'for' statements with examples?
   (GRIET JUNE 2012)

2. Write a C program for addition, subtraction, multiplication operations on complex numbers using switch statement? (GRIET JUNE 2012)

3. Let us assume person A gives 1 rupee(100 paisa) to person B on every Day. In return person B gives first day 1 paisa, second day 2 paisa, third day 4 paisa etc., to person A. Write a program to simulate the above game till A is gainer?
   (GRIET JUNE 2013)

4. Discuss the advantages and drawbacks of go to statement with illustrations?

    (GRIET JUNE 2013)
5. What are the different I/O Statements?   (GRIET JUNE 2015)

Unit 3:

1. Explain about string handling functions in 'C'?   (GRIET JUNE 2012)
2. Discuss the difference between strcat() and strncat() functions with examples?

    (GRIET JUNE 2013)
3. What is the value returned by Strcmp()?   (GRIET JUNE 2015)
4. Differentiate between Character Pointer and Character Array?   (GRIET JUNE 2013)
5. Define Array. Mention its applications?   (GRIET JUNE 2015)
6. Give two ways of reading multiple words?   (GRIET JUNE 2015)
7. What is the difference between strcmp() and strcmpi()?   (GRIET JUNE 2015)

Unit 4:

1.   Explain about string handling function in 'C'?   (GRIET JUNE 2012)
2. What are the disadvantages of using functions? What are the different types of
    functions? Explain function with no argument and with return values?

    (GRIET JUNE 2012)
3. Write a C program to arrange the elements in descending order using pointers?

    (GRIET JUNE 2012)
4. With an example program explain nesting of functions?   (GRIET JUNE 2013)
5. Write a function called elapsed time with two parameters, the start time and the end time.
    Each parameter is a structure with three fields showing the hours, minutes and the
    seconds of a specific time. The function is to return a time structure containing the time
    elapsed between two parameters?   (GRIET JUNE 2013)
6. Explain the operators applicable to pointers with examples?   (GRIET JUNE 2013)
7. Write a detail note on storage classes?   (GRIET JUNE 2013)
8. Write a C program to swap two numbers using Call-by-Reference? (GRIET JUNE 2015)
9. What is the difference between a function definition and a function prototype?

    (GRIET JUNE 2015)
10. Is it possible for a function to return more than one value? If yes how?(GRIET JUNE
    2015)

Unit 5:

1. Write a C program using structure to display the following information for each customer
    –name, account number, street, city, amount? Request for a withdrawal of some amount
    ex: 1000/-? Print the previous amount and the amount after withdrawal?

    (GRIET JUNE 2012)

2. Write a C program to read a text file and convert the contents to uppercase and write the contents to output file?

(GRIET JUNE 2012)

3. Compare Arrays, Structures and Unions? (GRIET JUNE 2012)

4. Explain the following functions i) fseek() ii) ftell() iii) rewind() iv) ferror()

(GRIET JUNE 2012)

5. Describe error handling in files? (GRIET JUNE 2013)

6. Explain C functions used for basic file handling? (GRIET JUNE 2013)

7. Define Self Referential Structure? (GRIET JUNE 2015)

8. Define File? (GRIET JUNE 2015)

9. Give the data types for argc and argv? (GRIET JUNE 2015)