

R16

Code No: 132AD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech I Year II Semester Examinations, April - 2018

COMPUTER PROGRAMMING IN C

(Common to EEE, ECE, CSE, EIE, IT, ETM)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART- A**(25 Marks)**

- 1.a) What are flowchart symbols? Explain. [2]
- b) Explain the syntax of case statement with example. [3]
- c) What are limitations of recursion? [2]
- d) Explain the procedure for Binary search. [3]
- e) Give an example for pointers to pointers. [2]
- f) What are string functions? Explain. [3]
- g) Define structure with example. [2]
- h) What is self referential structure? Explain. [3]
- i) Write the concept of a file. [2]
- j) Explain about file status functions. [3]

PART-B**(50 Marks)**

- 2.a) Write a C program to generate Fibonacci series.
 - b) What are operators in C? Explain with example. [5+5]
- OR**
- 3.a) Explain about decision making and branching.
 - b) Describe the structure of a C program. [5+5]
- 4.a) Write a C program for Bubble sort.
 - b) What are storage classes? Explain with examples. [5+5]
- OR**
- 5.a) What is recursion? Write a C program for factorial of n using recursion.
 - b) Write a C program for addition of two matrices. [5+5]
- 6.a) Write a C program to count the number of vowels, consonants, digits and white-spaces in a string which is entered by the user.
 - b) Explain about pointer arithmetic and arrays with example. [5+5]
- OR**
- 7.a) Write a C program to sort the 10 strings (entered by the user) in lexicographical order (dictionary order).
 - b) Explain about arrays of pointers with example. [5+5]

8.a) Write a C program that takes two complex numbers as structures and adds them with the use of functions.

b) Explain about pointers to structures with example. [5+5]

OR

9.a) Explain about pre-processor commands.

b) Explain about unions and functions. [5+5]

10.a) Write a C program to copy the content from one file to another file using fseek() function.

b) Write a C program to copy the binary file from another file. [5+5]

OR

11.a) Write a C program read and write the content of the file using fprintf() and fscanf() functions.

b) Briefly explain about positioning functions in files. [5+5]

---ooOoo---

R16**Code No: 132AH****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech I Year II Semester Examinations, April - 2018****PROFESSIONAL COMMUNICATION IN ENGLISH****(Common to CE, ME, MCT, MMT, AE, MIE, PTM, CEE, MSNT)****Time: 3 hours****Max. Marks: 75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each

question carries 10 marks and may have a, b, c as sub questions.

PART- A**(25 Marks)**

- 1.a) Fill in the blanks with appropriate prefixes given in the brackets. [2]
i) Everyone was watching her and she felt very (self / un)---conscious.
ii) They were (dis / un)----- satisfied with the service at the restaurant.
- b) Provide correct prefix/suffix to the following: [3]
i) Disappoint-----: The feeling of being disappointed.
ii) -----function: to fail to work correctly.
iii) Sweet-----: To make something sweet.
- c) Use the following homophones in your own sentences. [2]
i) here--- hear ii) Where-----ware
- d) Provide synonyms to the following words: [3]
i) Praise ii) Amicable iii) Tolerant
- e) Provide antonyms to the following words: [2]
i) Permit ii) Dormant
- f) Identify the following tenses: [3]
i) She has been staying here since 2011.
ii) It rained yesterday.
iii) He will arrive on Monday.
- g) Fill in the blanks with suitable articles. [2]
i) ----- Ganga is a holy river.
ii) The Ramayana is --- epic.
- h) Provide meaning to the following one-word substitutes: [3]
i) Teetotaler ii) Bibliophile iii) Incurable
- i) Provide meaning to the following idioms: [2]
i) Black sheep ii) Move heaven and earth
- j) Provide right question tags to the following words: [3]
i) The weather has improved. Isn't this?
ii) He came home early yesterday. Doesn't he?
iii) He is a good student. Does he?

PART-B**(50 Marks)**

2. What is Kalam's vision of national development? [10]
- OR**
3. What are the main features of academic writing? [10]

4. Describe Nadella's thoughts on innovation and its importance. [10]
OR
5. Write a letter to the warden about the scarcity of water and the problems you are facing in the hostel. [10]
6. What are the benefits of reading? Explain different techniques of effective reading. [10]
OR
7. What is an e-mail and write a note on e-mail etiquettes? [10]
8. Bring out the significance of good manners in life according to the writer J.C Hill. [10]
OR
9. Write a paragraph on the impact of bad habits on your life? [10]
10. How does the letter writer critique the education system in India? [10]
OR
11. Write a report to the Editor on your college day celebration. [10]

---ooOoo---