Seat No.	

B.C.A. (Part - I) (Semester - II) Examination, April - 2015
Paper – 202 : PROGRAMMING IN 'C' (Part - II) (New)
Sub. Code : 59577

Day and Date : Monday, 13 - 04 - 2015 **Total Marks : 80**

Time : 03.00 p.m. to 6.00 p.m.

Instructions : 1) **Q. No. 8 is compulsory.**
2) **Solve any four questions from Q. No. - 1 to Q. No. - 7.**
3) **All questions carry equal marks.**

Q1) a) What is structure? How do define and access different members of structure?` [8]

b) Write a C program using structure to store book information (name, author and price). [8]

Q2) a) What is function? Explain how main() is differ from other user defined functions? [8]

b) Explain the difference between calling function and called function. [8]

Q3) a) Explain pointer arithmetic with example. [8]

b) State and explain file mode in 'C' language. [8]

Q4) a) What is pointer? How they are declared? Give its example. [8]

b) Explain static storage class with suitable example. [8]

Q5) a) What is union? Explain with example. [8]

b) Write a C program using union to store information of five employee as (name, designation and salary). [8]

P.T.O.

Q6) Explain Call by value and Call by reference. [16]

Q7) a) Explain getw(), putw() getc() and putc() functions in C language. [8]

b) Write a C program to create a text file - data.txt which contains company information with read and write mode. [8]

Q8) Write short notes (Any Four) : [16]

a) Recursive functions.

b) File modes.

c) Address operator.

d) getc() and putc().

e) Unions.

f) Pointer to function.

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Total No. of Pages : 2

Seat No.	

B.C.A. (Part - I) (Semester - II) Examination, October - 2015

PROGRAMMING IN 'C' (Part - II) (Paper - 202)

Sub. Code : 59577

Day and Date : Tuesday, 27 - 10 - 2015 **Total Marks : 80**

Time : 11.00 a.m. to 02.00 p.m.

Instructions : 1) Each question carries 16 marks.

2) Solve any FOUR questions from Q.1 to Q.7.

3) Q.8 is Compulsory.

Q1) a) What is structure? Explain declaration and initialization of structure. [8]

b) Explain typedef keyword with suitable example. [8]

Q2) a) What is pointer? How pointers are declared and initialized. [8]

b) What is union? Explain with suitable example. [8]

Q3) a) Write a program in 'C' for sum of two numbers by using function. [8]

b) Illustrate with suitable example array within structure. [8]

Q4) a) Explain concept of dynamic memory allocation in 'C'. [8]

b) Explain following file function. [8]

i) ftell ( ) ii) fseek ( )

iii) rewind ( ) iv) getw ( )

P.T.O

Q5) a) Explain storage classes used in 'C' with example. [8]

b) Explain structure within structure with example. [8]

Q6) Write a programme a in 'C' to create file, insert, delete & show records in it. [16]

Q7) a) How to define and use array of pointer. [8]

b) Write a program in 'C' to explain use of enum data type. [8]

Q8) Attempt any FOUR questions from the following. [16]

a) Explain Recursive function in 'C'.

b) Scope of variable in 'C".

c) Explain Array of structure with example.

d) Write Advantages of array.

e) Binary file and text files.

f) function call by value.

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Total No. of Pages : 2

Seat No.	

B.C.A. (Faulty of Commerce) (Part - I) (Semester - II) (New) Examination, April - 2016

PROGRAMMING IN 'C' (Part - II) (Paper - 202)

Sub. Code : 59577

Day and Date : Thursday, 21 - 04 - 2016

Total Marks : 80

Time : 3.00 p.m. to 6.00 p.m.

Instructions :
1) Q.No. 8 is Compulsory.
2) Solve any Four questions from Q.No. 1 To Q. No.7.
3) All questions carry equal marks.

Q1) a) Describe how pointers are defined and declared with suitable example? [8]

b) Explain getc(), putc(), getw() and putw() functions. [8]

Q2) a) What is structure? Explain how structures are defined with example. [8]

b) What is function recursion? Give its example. [8]

Q3) Explain various storage classes available in 'C' language. [16]

Q4) a) Explain different file opening modes with example. [8]

b) Explain Nested structure with example. [8]

Q5) a) How functions are declared? Give its example. [8]

b) Explain fprintf() and fscanf() function with example. [8]

P.T.O.

Q6) Describe various categories of a function with example. [16]

Q7) Describe function call by value and call by reference with example. [16]

Q8) Write short notes (Any Four): [16]

a) fopen() and fclose() file handling functions.

b) Declaration of unions.

c) Difference between call by value and call by reference.

d) Pointer initialization.

e) ftell() and fseek() functions.

f) Array of structure.

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Total No. of Pages : 2

Seat No.	

B.C.A. (Part - I) (Semester - II) (Revised) Examination, November - 2016

PROGRAMMING IN 'C' (Part - II) (Paper - 202)

Sub. Code : 59577

Total Marks : 80

Day and Date : Saturday, 12 - 11 - 2016
Time : 10.30 a.m. to 1.30 p.m.

Instructions :
1) Each question carries 16 Marks.
2) Solve any FOUR questions from Q.1 to Q.7.
3) Q.8 is Compulsory.

Q1) a) What is structure? Explain array of structure with example. [8]

b) Explain any two storage classes used in 'C' with example. [8]

Q2) a) What is union? Explain declaration and initialization of union. [8]

b) Explain recursive function with suitable example. [8]

Q3) a) Write a program in 'C' to accept intiger number and print its reverse number. [8]

b) How array is different than pointer. [8]

Q4) a) What is enum? Explain with suitable example. [8]

b) How to define and use array of pointer? [8]

Q5) a) Explain concept of dynamic memory allocation in 'C'. [8

b) Write program in 'C' to display prime no. between given range. (Range userdefined.) [8

P.T.O

Q6) What is Function? Explain types of functions in 'C'. [16]

Q7) a) Explain any Four file handling functions in 'C' with example. [8]

b) Write a program in 'C' for swapping of two numbers by using function. [8]

Q8) Attempt any FOUR questions from the following: [16]

a) Explain preprocessors 'C'.

b) Type def key word in 'C'.

c) Explain File opening modes in 'C'.

d) Write Advantages of user defined function in 'C'.

e) Static & dynamic variable.

f) Function call by refrance.

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Total No. of Pages : 2

Seat No.	

B.C.A. (Faculty of Commerce) (Part - I) (Semester - II) (Revised) Examination, April - 2017

202 : PROGRAMMING IN 'C' Part - II (Paper - II)

Sub. Code : 59577

Day and Date : Wednesday, 19-04-2017 **Total Marks : 80**

Time : 3.00 p.m. to 6.00 p.m.

Instructions : 1) **Attempt any 4 questions from Q.1 to Q.7.**
2) **Q.8 is compulsory.**
3) **Figures to the right indicate full marks.**

Q1) a) What is Structure? Explain with example. **[8]**

b) Write a C program to accept any three digit number and print its reverse number. **[8]**

Q2) a) Explain pointer to function with example. **[8]**

b) Explain structure within structure with example. **[8]**

Q3) a) What is function? Explain with example. **[8]**

b) What is enum? Explain with suitable example. **[8]**

Q4) Explain in detail return value and their types. **[16]**

Q5) a) What is prime number? Write a program to find prime number. **[8]**

b) How to initialize & declare union in C. **[8]**

P.T.O.

Q6) a) Explain file handling functions with example. **[8]**

b) Give the difference between structure & array. **[8]**

Q7) Explain in detail storage classes used in C. **[16]**

Q8) Write Short notes on (Any 4) **[16]**

a) Dynamic memory allocation.

b) Call by reference.

c) Types of files.

d) Advantages of pointer.

e) Type definition.

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Total No. of Pages : 2

B.C.A. (Part - I) (Semester - II) Examination, April - 2018
PROGRAMMING IN 'C' (Part-II) (Revised) (Paper - II (202))
Sub. Code : 59577

Day and Date : Monday, 23 - 04 - 2018 **Total Marks : 80**

Time : 03.00 p.m. to 06.00 p.m.

Instructions : 1) Attempt any 4 questions from Q.1 to Q.7
2) Q.8 is compulsory.

Q1) a) What is prime number? Write a program to find prime number. [8]

b) Explain character functions with example. [8]

Q2) a) What is recursive function? Write a program for it. [8]

b) Explain the concept of union with example. [8]

Q3) Explain in detail user define functions with their types. [16]

Q4) a) What is Armstrong number? Write a program to find Armstrong number. [8]

b) Explain pointer to function with example. [8]

Q5) a) Explain different storage classes in detail. [8]

b) Explain structure within structure with example. [8]

Q6) a) Explain array of structure with example. [8]

b) Explain the concept of dynamic memory allocation. [8]

P.T.O.

Q7) Explain file handling in c with example. **[16]**

Q8) Write Short notes on (Any 4) **[16]**

a) File opening modes.

b) Call by value.

c) Scope of Variables.

d) Enum keyword in C.

e) Type definition in C.

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