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- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram and use supporting data whenever necessary.
  3. Avoid vague answer and write specific answer related to question.

**Either :-**

1. a) What is user defined function? What is the need of user defined function? **4**  
b) What is function prototype? Explain. **4**

**OR**

- c) List & explain the various storage class in C. **4**  
d) Write a program to find the addition of two nos using udf. **4**

**Either :-**

2. a) Define structure. Explain how to declare structure with suitable example. **4**  
b) Explain how to access structure elements with suitable program. **4**

**OR**

- c) Give the difference between structure and union. **4**  
d) What is Nested structure? Explain. **4**

**Either :-**

3. a) What is pointer? Explain how to declare pointer variable with suitable example. **4**  
b) Write a program to swap the contents of two numbers using call by reference. **4**

**OR**

- c) What is pointer operator? Explain. **4**  
d) Write a program to find the area of circle using pointer. **4**

**Either :-**

4. a) Explain how to open & close a file with example. **4**  
b) Explain random access to files. **4**

**OR**

- c) List & explain four file handling functions. **4**  
d) Write a note on **4**  
i) `ftell()` ii) `rewind()`

5. Solve all the questions.  
a) Give the advantages of user defined function. **2**  
b) Define union. **2**  
c) Explain pointer to pointer in detail. **2**  
d) What is command line argument? Explain. **2**

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