

6. What is an array? How will you create a 2D array?
7. What are the components of a function?
8. What is dynamic memory allocation? What are the various dynamic memory allocation functions?
9. What are storage classes? What are the storage classes available in C?
10. Define pre-processor directives in C.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the various classifications of computers in detail.
Or
(b) Explain the various number systems in detail.
12. (a) Explain various operators in C Language in detail.
Or
(b) Explain various input and output functions of C language in detail.
13. (a) Explain the concept of strings in detail.
Or
(b) (i) Explain sorting of a one dimensional array with example program.
(ii) Write a program to check whether an element is present or not in an array or not using binary search method.
14. (a) Explain the concept of parameter passing by
(i) value and
(ii) reference between functions in detail with example program.
Or
(b) Explain in detail the concept of pointer in C language.
15. (a) Explain various storage classes used in C with example program in detail.
Or
(b) Explain in detail the concept and importance of structures with example program in C language.