

END OF SEMESTER EXAMINATIONS, NOVEMBER - 2017

ELECTIVE I – COMPUTER PROGRAMMING IN C

SUBJECT CODE: 14UAPH08

MAJOR: B.Sc (PHYSICS)

TIME : 3 HOURS

SEMESTER : V

MAX. MARKS: 75

SECTION – A (10 X 1 = 10)**Answer ALL the questions:**

1. The first character of _____ must be an alphabet or underscore.
a) identifier b) keyword c) token
d) constant
2. Increment and decrement operators are _____ operators
a) binary b) relational c) unary
d) logical
3. The _____ statement transfers the control out of the switch statement.
a) goto b) case c) break
d) if
4. The _____ is an entry controlled loop
a) do...while b) while c) if
d) switch
5. _____ is a fixed size sequenced collection of elements of the same data type.
a) string b) array c) structure
d) pointer
6. The compiler supplies a _____ character at the end of the string.
a) newline b) null c) tab
d) formfeed
7. The parameters used in prototype and function definitions are called _____.
a) Local parameter b) actual parameter c) formal parameter
d) global parameter
8. Structure is a method for packing data of _____ types.
a) different b) integer c) float
d) real
9. Two pointers cannot be
a) added b) multiplied c) divided
d) incremented
10. _____ do not require semicolon at the end
a) File b) preprocessor c) structure
d) array

SECTION – B (5 X 4 = 20)**Answer ALL the questions:**

11. a) Define and give tokens of 'c'.

(OR)

- b) Discuss the precedence of arithmetic operators.

12. a) Explain how to write a single character to a standard output.

(OR)

- b) Write a 'c' program to grade the students using switch statements.

13. a) Discuss the declaration and initialization of a string variable.

(OR)

- b) Write a 'c' program to compare the two strings equal or not.
14. a) Explain the nesting of functions.

(OR)

- b) Explain the function declaration.
15. a) Describe the declaration of a pointer variable.

(OR)

- b) Explain the definition and opening of a file.

SECTION – C (5 X 9 = 45)

Answer ALL the questions:

16. a) Explain the fundamental data types of 'c' Language.

(OR)

- b) Describe relational and logical operators of 'c' Language with example.

17. a) Describe the field specification for formatting output.

(OR)

- b) Explain the looping structure of 'c' program for the following
(i) while
(ii) do...while
(iii) for

18. a) Explain declaration and initialization of one-dimensional array in detail.

(OR)

- b) Explain different functions to write strings to screen.

19. a) Explain the variable storage classes of a 'c' functions.

(OR)

- b) Explain definition and declaration of a structure.

20. a) Describe accessing a variable through its pointer with example.

(OR)

- b) Write short notes on
(i) Macros
(ii) File inclusion
