

B.E/B.TECH DEGREE EXAMINATIONS: DECEMBER 2008

2007 Batch - First Semester

Common to ALL Branches**U07GE102- FUNDAMENTALS OF COMPUTING****Time: Three hours****Maximum Marks: 100****Answer ALL questions:-****PART A (20 x 2 = 40 Marks)**

1. IBM's ES000 is an example of

a. Super computers	b. Mainframe computers
c. Handheld computers	d. Minicomputers
2. The extension of word file is

a. .ppt	b. .xls
c. .doc	d. .mdb
3. The input device is

a. printer	b. monitor
c. scanner	d. keyboard
4. A fundamental operation in computer

a. configuring the network	b. configuring the internet
c. BOOT process	d. compilation
5. Pictorial representation of an algorithm is

a. flowchart	b. decision table
c. pseudo code	d. program
6. The concepts of objects, polymorphism, inheritance and class are

a. structured programming	b. procedural programming
c. object oriented programming	d. Unstructured programming
7. The process of converting assembly level language programs into machine language

a. compiler	b. interpreter
c. assembler	d. None of these
8. URL stands for

a. universal resolution location	b. uniform resource locator
c. universal resource locator	d. unified resource location
9. 'C' is a

a. general purpose, structured programming	b. object-oriented programming
c. unstructured programming	d. internet programming

10. Bitwise AND operator in c is
- a. &&
 - b. |
 - c. >>
 - d. &
11. The keyword else can be used with
- a. switch()
 - b. do-while()
 - c. if statement
 - d. for
12. The following statement is used to execute set of instructions repeatedly until the cond becomes false.
- a. for loop
 - b. if
 - c. switch
 - d. none of the above
13. A character array always ends with
- a. /
 - b. question mark
 - c. full stop
 - d. Null(\0) character
14. The meaning of keyword void before the function name means
- a. Function should not return any value
 - b. Function should return any value
 - c. no arguments are passed
 - d. none of the above
15. A static variable is one that
- a. cannot be initialized
 - b. is initialized once at the commencement of execution and cannot be changed at run time
 - c. is same as an automatic variable but is placed at the head of the program.
 - d. retains its value throughout the life of the program
16. If a storage class is not mentioned in the declaration, then the default storage class is
- a. static
 - b. automatic
 - c. external
 - d. internal
17. Which is the correct way to declare a pointer
- a. int *ptrs;
 - b. * int ptrs;
 - c. int ptrs*
 - d. int_ptr x;
18. malloc() is used to
- a. release the memory
 - b. allocating multiple blocks of memory.
 - c. allocate memory space in bytes to the variable of different data type.
 - d. returns a measure of unused memory.
19. The structure combines variables of
- a. dot operator
 - b. arrow operator
 - c. asterisk operator
 - d. ampersand operator

20. Identify the most appropriate sentence to describe unions.
- a. unions are used for set operations
 - b. unions are like structures
 - c. unions are less frequency used in the program
 - d. unions contain members of different data types which share the same storage area in memory.

the cond

PART B (5 x 12 = 60 Marks)

21. (a) Write short notes on the categories of software. (12 Marks)

(OR)

21. (b) Discuss in detail about object-oriented programming concepts (12 Marks)

22. (a) Write the features of a good programming language (12 Marks)

(OR)

22. (b) Explain about the Components of Computer and its services (12 Marks)

23. (a) Explain about the following types of internet connection services

i) Electronic-Mail (6 Marks)

ii) Video Conferencing (6 Marks)

(OR)

23. (b) Define Loops. Discuss in detail about its types with suitable examples (12 Marks)

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24. (a) Explain any 10 String standard functions in C with suitable examples (12 Marks)

(OR)

24. (b) i) Write a program using Pointers to functions to print the sum of two numbers entered. (6 Marks)

ii) Write short notes on the following with suitable examples. (6 Marks)

(a) Structure Pointers.

(b) Functions returning pointers

25. (a) i) Write a program using Structures within Structures to print the Gross salary of 5 employees? (6 Marks)

ii) Compare Call by value & Call by reference with suitable examples. (6 Marks)

(OR)

25. (b) Define File Management. Discuss in detail about its types with examples (12 Marks)
