

## Padasalai.Net – Half Yearly Exam Model Question Paper

CLASS: XI

COMPUTER SCIENCE

MARK: 70

Date : 04.12.2018

Pre – Half Yearly

TIME: 02.30 Hours

**I. Choose the correct answer:****15X1=15**

1. Who is called as a father of computer?  
a) William Oughtred    b) John Von Numan    c) Charles Babbage    d) Herman Hollerith
2. The Period of Second Generation is \_?  
a) 1942 - 1955    b) 1955 - 1964    c) 1964 -175    d) 1975 – 1980
3. Computer understand \_\_\_ language  
a) High level    b) Assembly    c) Machine    d) All the above
4. ASCII system can handle \_\_\_ characters.  
a) 64    b) 128    c) 256    d) None of these
5. The truth values depicted by logical constant as \_\_\_?  
a) 1    b) 0    c) 1 and 0    d) None of these
6. Computer organization includes \_\_\_\_\_  
a) Software    b) Hardware    c) freeware    d) None of these
7. The microprocessors is made up of \_\_\_\_\_ main units  
a) 5    b) 4    c) 2    d) 3
8. ---- is a hardware  
a) Printers and Scanners    b) Mouse    c) Digital Camera    d) All the above
9. The most popular Operating system for desktop and laptop computers?  
a) Windows series    b) Android    c) iOS    d) Linux
10. There are \_\_\_ basic principles and techniques for designing algorithms  
a) 5    b) 6    c) 4    d) 3
11. \_\_\_ is an example of programming language.  
a) C    b) C++    c) Python    d) All the above
12. The iterative statement is commonly known as a \_\_\_\_\_  
a) Loop    b) Block    c) Sequential    d) None of these
13. \_\_\_\_\_ is a recursive solver case  
a) Base case    b) Recursion steps    c) Both A and B    d) None of these
14. How many C++ are operators are classified \_\_\_\_\_  
a) 5    b) 7    c) 4    d) 3
15. \_\_\_\_\_ and iteration statements are executed depends upon the conditional expression.  
a) Loop    b) for    c) Selection Statement    d) While

**II. Answer any 6 question. Question no.20 is compulsorily answered****6x2=12**

16. What are the components of a CPU?
17. What do you mean by word length?
18. What are truth tables?
19. What is Instruction set?
20. What is multi-processing?
21. List the distributors of Linux?
22. Define an algorithm?
23. Write about pseudo code?
24. What is an invariant?

**III. Answer any 5 question. Question no.21 is compulsorily answered****6x3=18**

25. Name any three output devices?
26. Write note on binary number system?
27. Classify the microprocessor based on the size of the data?
28. What are the basic principles and techniques for designing algorithm?
29. What are the constraints to construct a loop?
30. What are the difference between Logical error and Syntax error?
31. How relational operators and logical operators related to one another?
32. Write the syntax and purpose of switch statement?
33. Write the if else definition and syntax?

**IV. Answer any 5 detail questions.****5x5=25**

34. Discuss the various generation of computers?

(Or)

Find 1's complement and 2's complement for the following decimal number?

- a) -98                      b) -135

35. Explain the characteristics of a microprocessor?

(Or)

Explain advantages and disadvantages of open source operating system?

36. What are the uses of operating system?

(Or)

Explain sequential statement with suitable example?

37. Explain the elements of ubuntu?

(Or)

Write about binary operators used in C++?

38. Explain switch statement and example program?

(Or)

Explain control statements with suitable example?

----- **ALL THE BEST** -----

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**Answer Sheet send to School address**