

**Class 11<sup>th</sup> Subject Comp Sc Model Paper Session 2018****Total Marks: 100 Theory: 70 Practical: 30 (External : 20 Internal: 10)****Marks distribution as per syllabus:****Unit-I 06 marks****Unit-II 29 marks****Unit-III 06 marks****Unit-IV 06 marks****Unit-V 23 marks****Section A: long answer type questions (6 marks each)**

Total no of questions to be asked 5 with internal choice for each question from same unit

Q1: Question to be asked from unit-II

or

Question to be asked from unit -II

Q2: Question to be asked from unit-II

or

Question to be asked from unit -II

Q3: Question to be asked from unit-V

or

Question to be asked from unit -V

Q4: Question to be asked from unit-V

or

Question to be asked from unit -V

Q5: Question to be asked from unit-III

or

Question to be asked from unit -III

***5 Questions X 6 marks each= 30 marks for Section A***

**Section B: Short answer type questions (3 marks each)**

with external choice total No questions to be asked **8** and student has to answer any **6**

- Q6: question from unit -I
- Q7: 1question from unit-II
- Q8: 1question from unit -II
- Q9: 1question from unit-II
- Q10: 1question from unit -IV
- Q11. 1question from unit-V

Q12 and Q13: to be asked from unit no II, V (as others do not carry high marks)

**8 Questions X 3 marks each= 24 marks for Section B**

**Section C: Very Short answer type questions**

- Q14: from unit -1
- Q15: from unit-II
- Q16: from unit -II
- Q17: from unit-IV
- Q18: from unit -V
- Q19: from unit-V

**6 Questions X 2 marks each= 12 marks for Section C**

**Section D: Objective type questions (1 marks each) total no of questions to be asked 10**

- Q20: from unit -I
- Q21: from unit-I
- Q22: from unit -II
- Q23: from unit-III
- Q24: from unit -III
- Q25: from unit -V
- Q26: from unit-VI
- Q27: from unit -VI
- Q28: from unit-VI
- Q29: from unit -VI

**10 Questions X 01 marks each= 10 marks for Section D**

Total marks mandatory to attempt:	Section A= 30
	Section B= 18
	Section C= 12
	Section D= 10
	<b>TOTAL Marks= 70</b>

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**COMPUTER SCIENCE**  
**MAX MARKS: 70**

**MODEL PAPER**  
**TIME:3 HOURS**

**Section A: Long Answer Type Questions**

**6 each**

Q1. Define Operating System? Explain briefly its uses.

Or

Explain Multiprogramming and Multiprocessing operating system?

Q2. What are the benefits of good programming practice?

Or

Define Error? What are different types of errors encountered in programming?

Q3. Write a C++ program to find even or odd no?

Or

Define the following terms with the help of an example

1. Global Variable .
2. One dimensional array.

Q4. Explain call by value method with the help of a C++ program?

Or

Define Function? Write a C++ program using a function.

Q5. What are Arithmetic, Relational and Conditional Operators?

Or

Write a C++ program to demonstrate use of Logical operators?

**Section B: Short Answer Type (Attempt any 6)**

**3 Each**

Q6. Briefly explain the various components of a computer system?

Q7. Convert binary 110011.01 into decimal?

Q8. Convert octal 236 into binary?

Q9. Briefly explain different types of errors in computer programs.

Q10. Explain various loops?

Q11. What do you mean by local and global variables?

Q12. Write a C++ program to calculate area of circle?

Q13. Explain Switch Case with help of an example?

**Section c: Very Short answer Type**

**2 Each**

Q14. Define Application Software?

Q15. Define cache memory?

Q16. What do you mean by nested loop?

Q17. Define strcat(), strlen() and strcpy() functions?

Q18. What is a two dimensional array?

Q19. Define Structure in C++?

**Section D: Objective Type Questions**

**1 Each**

Q20. \_\_\_\_\_ is made up of 4 bits.

Q21. RAM is a volatile memory (T/F).

Q22. 1024MB equals \_\_\_\_\_

Q23. RISC means \_\_\_\_\_

Q24. USB means.

- a. Universal Serial Bus.    b. Uniform Serial Bus.    c. Unitech Serial Bus.    d. None of the above.

Q25. Debug means to \_\_\_\_\_ errors.

Q26. Math.h is \_\_\_\_\_ file.

Q27. Array index starts from \_\_\_\_\_

Q28. Array elements are stored in contiguous memory locations (T/F).

Q29. Structure Elements are accessed by \_\_\_\_\_ Operator.

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