International Informatics Olympiad

Organized by:

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For supremacy in Mathematics
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SILVERZONE FOUNDATION
NEW DELHI · INDIA

CLASS 12th SAMPLE QUESTIONS

The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 50 Minutes.

SECTION - A
Fundamentals of Computer Science

1. **Which item appears dimly behind the main body text in MS-Word 2013?**
   (A) Background
   (B) Back color
   (C) Watermark
   (D) Water color

2. **While sending an e-mail, which of these describes the contents of the message?**
   (A) to
   (B) subject
   (C) contents
   (D) CC

3. **The process of erasing a disk is called:**

SECTION - B
Computer Science (C++)

4. **Which of the following operators is used to release the dynamically allocated memory in C++?**
   (A) free
   (B) remove
   (C) delete
   (D) Both B and C

5. **Which of the following is used to implement the interfaces in C++?**
   (A) Constant variables
   (B) Abstract classes
   (C) Absolute variables
   (D) All of these

6. **A pointer pointing to a variable that is not initialized is called _____.**
   (A) void Pointer
   (B) empty Pointer
   (C) null Pointer
   (D) wild Pointer

SECTION - C
Informatics Practices (Java)

7. **Which class among these cannot be instantiated?**
   (A) Abstract Class
   (B) Static Class
   (C) Both A and B
   (D) Interface

8. **What is bytecode in Java?**
   (A) Code generated by a Java compiler.
   (B) Name of Java source code file.
   (C) Block of code written inside a class.
   (D) Code generated by a Java Virtual Machine.

9. **Garbage Collection in Java is done by:**
   (A) Java Compiler
   (B) System class
   (C) JVM
   (D) Object class

SECTION - D
Python

10. **How can we include a module in Python?**
    (A) load module
    (B) include module
    (C) import module
    (D) require module

11. **Which of the following is the reserved keyword in python?**
    (A) else
    (B) import
    (C) raise
    (D) All of these

12. **Which is not a valid loop in Python ?**
    (A) for loop
    (B) while loop
    (C) iter loop
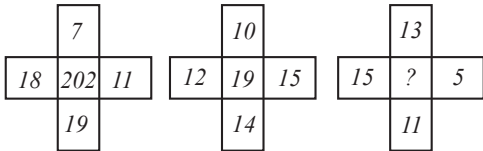   (D) All of these

SECTION - E
Multimedia & Web Technology

13. **A _____ is a design tool that shows the overall flow of a multimedia presentation.**
    (A) flowchart
    (B) link
    (C) storyboard
    (D) gantt chart

14. **Analog-to-analog conversion can be accomplished in:**
    (A) one way
    (B) two ways
    (C) three ways
    (D) four ways

15. A Virtual-Circuit Network (VCN) is normally implemented in the _____.

(A) Physical layer   (B) Session layer

(C) Data link layer   (D) Network layer

SECTION - F
Reasoning and Aptitude

16. Find the missing character from among the given alternatives.

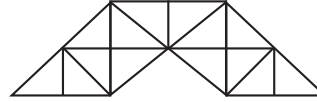|	7				10				13	
18	202	11		12	19	15		15	?	5
	19				14				11	

(A) 63   (B) 87

(C) 113   (D) 125

17. Read the following information carefully and answer the questions given below:

'P # Q' means 'P is the father of Q';

'P + Q' means 'P is the mother of Q';

'P – Q' means 'P is the brother of Q';

'P * Q' means 'P is the sister of Q'.

Which of the following shows that A is the grandmother of E?

(A) A * B # C * D – E   (B) A # B * C + D – E

(C) A + B – C * D # E   (D) A – B + C # D * E

18. Find the triangle in the given figure below.

(A) 23   (B) 27

(C) 31   (D) 29

ANSWERS									
1. C	2. B	3. B	4. C	5. B	6. C	7. A	8. A	9. D	10. C
11. D	12. C	13. C	14. C	15. C	16. B	17. C	18. D		