

# International Informatics Olympiad



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## CLASS 11<sup>th</sup> SAMPLE QUESTIONS

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

### SECTION - A

#### Fundamentals of Computer Science

- What is a compiler?  
(A) It translates entire source program into machine language program.  
(B) It translates instruction of a high level language into machine language.  
(C) It is not involved in execution of program.  
(D) All of these
- What is the other name of junk e-mail?  
(A) Spoof (B) Spam  
(C) Spool (D) Sniffer Script
- Which font is used by default in MS-Word 2013 document?  
(A) Times New Roman (B) Century  
(C) Impact (D) Calibri

### SECTION - B

#### Computer Science (C++)

- Which of the following copies the actual value of an argument into the formal parameter of the function?  
(A) Call by value (B) Call by reference  
(C) Call by pointer (D) All of these
- Which of the following allows you to define a class in terms of another class?  
(A) Polymorphism (B) Abstraction  
(C) Interfaces (D) Inheritance
- Which is the correct syntax of for loop?  
(A) for (initialization: condition; increment/decrement)  
(B) for (initialization; condition; increment/decrement)  
(C) for (increment/decrement; initialization; condition)  
(D) for (initialization, condition, increment, decrement)

### SECTION - C

#### Informatics Practices (Java)

- Which of the following keywords is used to manually throw an exception?  
(A) throw (B) try  
(C) catch (D) finally
- AWT stands for:  
(A) Absolute Windowing Toolkit.  
(B) Applet Windowing Toolkit.  
(C) Abstract Windowing Toolkit.  
(D) Average Windowing Toolkit.
- Which of the following is not necessary in variable declaration?  
(A) A data type (B) A semicolon  
(C) An identifier (D) An assignment

### SECTION - D

#### Python

- Which of the following is required to create a new instance of the class?  
(A) Class  
(B) Constructor  
(C) A value-returning method  
(D) None method
- Which of the following lets us join characters from a string together by a character we specify?  
(A) join() (B) merge()  
(C) together() (D) split()
- Which of the following sequence(s) is/are supported by python?  
(A) str (B) list  
(C) tuple (D) All of these

**SECTION - E****Multimedia & Web Technology**

13. Which of the following audio formats was developed by Microsoft?

- (A) Real Audio  
(B) WAV  
(C) MIDI  
(D) AIFF

14. MMS stands for:

- (A) Multimedia System  
(B) Multimedia Services  
(C) Multimedia Messaging Services  
(D) Multimedia Messaging System

15. The MPEG Format was developed for:

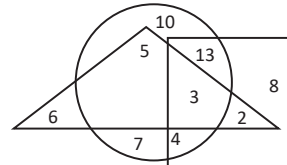
- (A) Audio  
(B) Video  
(C) Image  
(D) All of these

**SECTION - F****Reasoning and Aptitude**

16. Find out the missing terms marked with '?'.  
17, 35, 62, 111, 195, ?, 520

- (A) 235 (B) 342  
(C) 327 (D) 308

17. In the following diagram, parallelogram represents women, triangle represents sub-inspectors of police and circle represents graduate. Which numbered area represents women graduate sub-inspectors of police?



- (A) 5 (B) 8  
(C) 3 (D) 13

18. Correct the following equations by interchanging the two signs:

$$16 + 4 \div 2 - 21 \times 7 = 21$$

- (A) + and - (B) + and x  
(C) - and ÷ (D) x and ÷

**ANSWERS**

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