पु‌णा International School
Shree Swaminarayan Gurukul, Zundal

Half yearly Examination [2020–21]				
Student Name		**Grade**		**11th**
Date	06/11/2020	**Subject**		**Computer Science (New)**
	Time	**3Hr**	**Total Marks**	**70**

Q - 1 Multiple Choice Question. (One Marks each)

1) CD and DVD drives are the examples of
   (A) Printers
   (B) Storage devices
   (C) Solid stage storage
   (D) Zip drives
2) A temporary storage area, attached to the CPU, for I/O operations is a
   (A) Core
   (B) Register
   (C) Buffer
   (D) Chip
3) USB stands for
   (A) Universe Service Bus
   (B) Uniforms Sector Buffer
   (C) Universal Serial Bus
   (D) Uniform Service Bus
4) Software Package is a group of programs that solve multiple problems.
   a) True
   b) False
5) Which of the following is not an example of system software?
   a) Language Translator
   b) Utility Software
   c) Communication Software
   d) Word Processors
6) A person who designs the programs in a software package is called :
   a) User
   b) Software Manager
   c) System Developer
   d) System Programmer
7) The only language which the computer understands is _____
   a) Assembly Language
   b) Binary Language
   c) BASIC
8) Which of the following is not a positional number system?
   a) Roman Number System
   b) Octal Number System
   c) Binary Number System
   d) Hexadecimal Number System

9) Which of the following is not a binary number?
   a) 1111
   b) 101
   c) 11E
   d) 000
10) Boolean Algebra can deal with any number system.
   a) True
   b) False

Q -2 Write question answer of the followings

1) What do you mean by ASCII code? (02)

2) Differentiate between RAM and ROM (02)

3) Where is used python programming language? (02)

4) Write name of two Encoding schemes (02)

5) Write name of two electronic universal gates. (02)

6) Difference between Compiler and Interpreter (03)

7) What does a Computer Understands (03)

8) Explain Main function of operating system (03)

9) Explain Boolean Logic rules (03)

10) Convert 110100110_2 to hexadecimal (03)

11) What is Problem Solving Cycle (03)

12) Convert the Following as Directed (04)

   (i) $(53)_{10} = (?)_2$

   (ii) $(11011)_2 = (?)_{10}$

13) Explain types of software (04)

14) Difference between algorithm and pseudo-code (04)

15) Explain five Flowchart Symbols (05)

16) Describe any five Features of Python (05)

17) Describe how operating system work? (05)

18) Describe Functions of different components of mobile device (05)