SAMPLE PAPER-III
PRIODIC TEST –I
CLASS XI
SUBJECT –COMPUTER SCIENCE

MM 40   **Time 1:30 Hrs.**

All questions are compulsory
Programming Language: Python

Q 1 a) Convert 8MB to equivalent KB. [1]

b) What do you mean by ASCII code? [1]

c) What is the role of CPU of a mobile system? [1]

d) Convert the Following as Directed [0.5 X 4=4]

(i) $(53)_{10} = ()_2$ (ii) $(A4)_{16} = ()_{10}$

(iii) $(79)_8 = ()_{10}$ (iv) $(11011)_2 = ()_{10}$

e) What is the function of memory? What are its measuring units? [2]

f) What is the difference between RAM and ROM? [2]

g) What is the difference between Interpreter and Compiler? [2]

h) What are the various categories of Software? [2]

i) Briefly explain the basic architecture of a computer. [2]

Q 2 a) What are the supported data types in Python? [2]

b) What are the key features of Python? [2]

c) How can the ternary operators be used in python? [1]

d) Which one of these is floor division? [1]

i) /
ii) //

iii) %
iv) None of the mentioned

e) What is the maximum possible length of an identifier? [1]

f) How will you convert a string to an integer in python? [1]

3 a) What is the difference between interactive mode and script mode in Python? [3]

b) How many ways are there in Python to represent an integer literal? [3]

c) Write a Program to Find out the Simple Interest (SI) [3]

d) Find out the output of the Following – [3]

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x, y=2,6
x, y=y,x+2
print (x, y)
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e) What is the difference between an expression and a statement in Python? [3]

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