

INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION
SEPTEMBER 2019

SET A

CLASS XI

Marking Scheme – Computer Science

Q.NO.	Answers	Marks
1 a	Any two functions ½ m each	1
b	Software that controls inner operations of a computer system is called system software. 1 m for correct definition	1
c	Any four correct secondary storage media ½ m each for correct answer	2
d	1 m for correct definition and 1 m for types	2
e	Any two difference for correct answer 1 m each	2
2 a	i. $X'+Y.X+Y.X+Y'$ ii. $(A.1).(A+0+A')$ 1 m each for correct answer	2
b	$G= P.Q'+ P.R + QR'$ 2 m for the correct expression	2
c	1 m for defining law and 2 m for truth table	3
3 a	1 m for the correct full form	1
b	77,100,101,102 1 m for the correct answer	1
c	HEXADECIMAL 14B3 OCTAL 12263 1 m each for the correct answer	2
d	1 m each for the correct answer	2
e	1 m each for the correct answer	2
f	1 m for correct use of symbols and 1 m for correct logic	2
4 a	1 m for correct definition	1
b	Valid - <code>_CHK MYFILE & Print Invalid - 20CLT & RNO#</code> ½ m each for valid and invalid identifiers.	1
c	Correct definition 1 m	2
d	1 m for difference and 1 m for example	2
e	1 m for correct explanation and 1 m for example	2
f	15 25 14 50 1 m for each line of output	2
5 a	1 m for correct definition	1
b	Type error and make 1 as string ½ m for type & ½ for solution	1
c	26 22 18 14	2

	½ m each for the correct output	
d	Find errors in the following code (if any) and correct it. Rewrite the correct code. i. x=x+1 ii. code=input("Enter any character ") if code== 'W ': print(" WINTER SEASON") elif code== 'R ': print("RAINY SEASON") else: print ("ENJOY") ½ m each for 4 corrections	2
e	Find the errors in the following code if any and correct code by rewriting code and underline the corrections : x=int(input("Enter the Value of x : ")) for y in range (0,11): if x==y: print(x+y) else: print(x-y) ½ m each for 4 corrections	2
f	k=10 while k<20: print (k) k=k+5 for correct initialization, test condition and update statement 1 m each	3
6 a	2 m for difference 1 m for names	3
b	for correct initialization, test condition & nested loop 1 m each	3
c	1 m each for correct answer	3
d	1 m for explanation and eg. 2 m for correct output	3
7 a	1 m for input statement 1 m for loop 1 m for getting the number in reverse 1 m for print statement	4
b	1 m for input statement 2 m if statement 1 m for print statement	4
c	1 m for input statement 1 m for loop 1 m for checking 1 m for print statement	4
End of the Question Paper		