SET   B

INDIAN SCHOOL MUSCAT
FINAL TERM EXAMINATION MARKING SCHEME
COMPUTER SCIENCE

CLASS: XII   Sub. Code: 083   Time Allotted: 3 Hrs

13.11.2018   Max. Marks: 70

1 a   i) Multilevel Inheritance 1 M for the correct answer   4
        ii) None 1 M for the correct answer
        iii) Data members : WallArea,ColorCode ,Type, Advance.
           Member Functions : PBook(), PView(),Book(), View()
           ½ M each for correct data members & member function
        iv) Member Functions : Billing(),Print(), PBook(), PView(),Book(), View()
           1 M for the correct answer
                                        OR
        (1 M for correct syntax for derived class header)
         (1 M for correct declaration of data members)
        (2 M for defining the functions)

b   (½ M for opening files correctly) ,(½ M for reading each Word from the file)   2
        (½ M for checking the word and counting), (½ M for displaying number of words)
c   (½ M for opening file correctly) , (1 M for reading each record)   3
        (1 M for searching for the record), (½ M for displaying)
d   File1.seekp(sizeof(Vehicle_INFO)*14),   1
        ½ M each for the correct statement
        OR any one difference
2 a   (½ M for correct loops) , (1 M for correct logic for adding the values), (½ M for displaying)   2
b   (1 M for function header & 2 M for correct logic of performing the operation)   3

c   (i) 1 m for correct answer and 1 m for showing the stack status   2x2

        (ii) 1 m for correct answer and 1 m for showing the stack status

d   (i) 1 m for correct answer and 1 m for showing the stack status.   2x2
        (ii) 1 m for correct answer and 1 m for showing the stack status.
e   (1 M for correct formula & step calculations)   2
        (1 M for final correct address)
3 a   (1 M for correct formula & step calculations)   2
        (1 M for final correct address)
b   (1 M for creation & correct declaration)   3
        (2 M for correct steps inserting and deleting)
c   (1 M for creation & correct declaration)   3
        (2 M for correct steps deletion)
d   (1 M for creation & correct declaration)   3
        (2 M for correct steps for inserting)

4 a.	definition – 1 mark, eg – 1 mark	2
b.	i) 1mark ii) ½ mark each	2
c.	1 to 6 1 M each for the correct query	6+2
	7 to 10 ½ M each for the correct output	
5 a.	2 marks for correct proof mentioning correct law	2
b.	Correct diagram : 2 marks	2
c.	SOP - 1 mark, POS – 1 mark	2
d.	K-Map drawing – 1 mark, Correct grouping – 1 mark , Reduced expression – 1 mark	3
e.	K-Map drawing – 1 mark, Correct grouping – 1 mark , Reduced expression – 1 mark	3
6.a.	1 M for the correct answer	1
b.	1 M for the correct answer	1
c.	Correct full form 1 M each	2
d.	1 M each	2
e.	1 M each for the 4 subparts.	4

End of the Question Paper