Roll Number		

SET A

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) Hierarchical -*(1 Mark for writing correct type)* ii) int ENo,float Salary,long bonus ,void read_Employee( ),void disp_Employee( ), char Address[20].double income,void read_Person (),void disp_Person( ). *(1 Mark for writing all members correctly)* iii) void read_Sudent( ),void disp_Student () *(1 Mark for writing all members correctly)* iv) 68	4
	OR	
	(1 Mark for writing size correctly) (1 M for correct syntax for derived class headers) (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) (½ M for checking) (½ M for closing file)	2
c	(½ M for opening file correctly) (1 M for reading each record) (1 M for the required operation) (½ M for displaying)	3
d	½ m each for definition & correct stream	1
2 a	(½ M for correct loops) (1 M for correct logic for reversing) (½ M for displaying)	2
b	(½ M for correct function header) (1 M for correct loops) (1 M for checking array) (½ M for display)	3
c	(i) 1 m for correct answer and 1 m for showing the stack status (ii) 1 m for correct answer and 1 m for showing the stack status	2x2
d	(i) 1m for correct answer and 1m for showing the stack status. (ii) 1m for correct answer and 1m for showing the stack status.	2x2

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)

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 inserting)

4 a. Difference – 2 mark 2

b. i) degree – 4 , cardinality – 5 (½ mark each) 2
ii)SNO – 1 mark

c. 6+2

1. SELECT FIRSTNAME, LASTNAME, ADDRESS, CITY FROM EMPLOYEES WHERE CITY='PARIS';
2. SELECT * FROM EMPLOYEES ORDER BY FIRSTNAME DESC;
3. SELECT EMPLOYEES.FIRSTNAME, EMPLOYEES.LASTNAME, EMPSALARY.SALARY + EMPSALARY.BENEFITS TOTAL_SALARY FROM EMPLOYEES, EMPSALARY WHERE EMPLOYEES.EMPID=EMPSALARY.EMPID AND DESIGNATION='MANAGER';
4. SELECT MAX(SALARY) FROM EMPSALARY WHERE DESIGNATION IN('MANAGER','CLERK')
5. SELECT * FROM EMPLOYEES WEHER FIRSTNAME LIKE ;R%';
6. ALTER TABLE EMPSALARY ADD COMMISSION INTEGER;

Output :

7.

FIRSTNAME	SALARY
Rachel	32000
Peter	28000

(ii)select count(distinct designation) from empsalary;

8.

COUNT(DISTINCTDESIGNATION)
4

9.

DESIGNATION	SUM(SALARY)
Clerk	135000
Manager	215000

10.

SUM(BENEFITS)
32000

5 a. Statement Involution law : 1 mark , Proof : 1 mark 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.	Correct definition – 2 marks	2
b.	Any one advantage – 1mark	1
c.	Definition cookies – 1 mark	1
d.	Correct full form 1 M each	2
e.	**i)** correct wing – ½ mark justification ½ mark **ii)** Both star and bus layout drawings – 1 mark **iii)** Optical fibre– 1mark **iv)** Video Conferencing – 1 mark	4

End of the Question Paper