

Roll Number		
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SET C



**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 | Multilevel Inheritance
ii) None
iii) INSTATE(), OUTSTATE()
iv) 42 bytes
OR
(1 M for correct syntax for derived class header)
(1 M for correct declaration of data members)
(2 M for defining the functions) | 4 |
| b | (½ M for opening files correctly)
(½ M for reading each Word from the file)
(½ M for checking the word you & me)
(½ M for displaying the output) | 2 |
| c | (½ M for opening file correctly)
(1 M for reading each record)
(1 M for searching for the record)
(½ M for displaying) | 3 |
| d | int A=fin.seekg(0,ios::end);
int B=fin.tellg();
½ M each for correct answer | 1 |
| 2 a | (½ M for correct loops)
(1 M for correct logic for checking)
(½ M for displaying) | 2 |
| b | (½ M for correct function header)
(1 M for correct loops)
(1 M for sorting array)
(½ M for display) | 3 |
| c | 1m for correct answer and 1 m for showing the stack status

1 m for correct answer and 1 m for showing the stack status | 2x2 |
| d | 1m for correct answer and 1 m for showing the stack status. | 2x2 |
| e | 1m for correct answer and 1 m for showing the stack status.
(1 M for correct formula & step calculations)
(1 M for final correct address) | 2 |

- 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. Any two valid difference -2 marks 2
- b. i) R_CODE – 1 mark 2
ii) degree – 5, cardinality – 3 (½ mark each)
- c. 1) **Select A_NAME, TITLE from ARTIST where TYPE='Modern';** 6+2
2) To display all the details of all the Artists in descending order of TITLE from table ARTIST.
3) Select A_NAME, G_NAME, D_OF_DISPLAY from ARTIST, GALLERY where ARTIST.ID=GALLERY.ID;
4) Select Max(Price) , Type from ARTIST group by TYPE;
5) Select * from ARTIST where A_NAME like 'R%';
6) Delete from ARITST where A_NAME='Kavita Swami';
7)
- | A_NAME | TITLE | PRICE |
|-----------|-------|--------|
| V PRATHAM | LINES | 400000 |
| N ARJUN | AGES | 370000 |
- 8)
- | Distinct TYPE |
|---------------|
| MODERN |
| ABSTRACT |
| NATURE |
- 9) $\frac{MAX(FEES)}{30000} \frac{MIN(D_OF_DISPLAY)}{10-12-10}$
10) 4
- 5 a. Statement – 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. Difference – 1 mark 1
- b. Radiowave, infrared, microwave, satellite (1/4 each) 1

- | | | |
|----|---|---|
| c. | Circuit/paket switching difference – 2 marks | 2 |
| d. | 1 mark each for the correct answer | 2 |
| e. | i) Bus , star layouts drawing – 1 mark | 4 |
| | ii) Suitable place with justification – 1 mark | |
| | iii) Repeater placement- $\frac{1}{2}$ mark, hub placement – $\frac{1}{2}$ mark | |
| | iv) Radio wave with justification - 1 mark | |

End of the Question Paper