

SET

B

**INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2022
COMPUTER SCIENCE(083)**

CLASS:XII

Max.Marks: 70

| MARKING SCHEME | | | |
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| SET | QN.NO | VALUE POINTS | MARKS SPLIT UP |
| B | 1. | Invalid identifier: a) Roll\$no c) 20CNT (½ Mark each) | 1 |
| | 2. | (8, 16, 9, 177, 34) (1 Mark) | 1 |
| | 3. | 40 (1 Mark) | 1 |
| | 4. | CORRECTED CODE: <u>Number=60</u> # Error 1 for NUM in range(0,Number):_ #Error2 if NUM%4==0: #Error 3 print (NUM*4) elif NUM%5==0: print (NUM+3) <u>else:</u> #Error4 print(NUM+10) (½ Mark for each error) | 2 |
| | 5. | 20 19 (1 Mark for each value) | 2 |
| | 6. | OUTPUT: (i) 3#4#5# (1 Mark) Maximum value of Lower: 3 (½ Mark) Maximum value of Upper: 4 (½ Mark) | 2 |
| | 7. | Correct logic – (3 Marks) | 3 |
| | 8. | Correct logic – (3 Marks) | 3 |
| | 9. | 19 -7 (1 Mark) | 1 |
| | 10. | Error: Rate=0.05 (½ Mark) Solution: Default parameter should be from right (½ Mark) | 1 |

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| 11. | None (1 Mark) | 1 |
| 12. | 2#8#10#4# (½ Mark for each value) | 2 |
| 13. | 100#45 (1 Mark for each value) | 2 |
| 14. | Correct parameter and return statement – (1 Mark) Correct logic (2 Marks) | 3 |
| 15. | Pickling (1 Mark) | 1 |
| 16. | Correct difference of file modes (1 Mark) | 1 |
| 17. | Hello friends puter (1 Mark for each line) | 2 |
| 18. | CORRECTED CODE: <u>def write1():</u> <u>f=open("daynote.txt",'w')</u> <u>while True:</u> line=input("Enter line:") <u>f.write(line)</u> choice=input("Are there more lines (Y/N):") if choice=='N': break f.close() write1() (½ Mark for each error) | 2 |
| 19. | a) f.seek(-5,1) (1 Mark) b) tell() (1 Mark) | 2 |
| 20. | Correct program logic (3 Marks) | 3 |
| 21. | Correct program logic (3 Marks) | 3 |
| 22. | Correct program logic (3 Marks) | 3 |
| 23. | def count_A_M(): f=open("story.txt","r") A,M=0,0 r=f.read() for x in r: if x[0]=="A" or x[0]=="a" : A=A+1 elif x[0]=="M" or x[0]=="m": M=M+1 f.close() print("A or a: ",A) print("M or m: ",M) (3 Marks for correct program) | 3 |

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| 24. | (i) csv (ii) "Employee.csv","w" (iii) writer(csv1,delimiter=',') or writer(csv1) (iv) data (v) writerows() <p style="text-align: right;">(1 Mark each)</p> | 5 |
| 25. | Characteristics of Stacks: •It is a LIFO data structure •The insertion and deletion happens at one end i.e. from the top of the stack <p style="text-align: right;">(1 Mark)</p> | 1 |
| 26. | <pre>def Push3_5(N): for i in N : if i%3==0 or i%5==0 : Only3_5.append(i) NUM=[] Only3_5=[] for i in range(5): NUM.append(int(input('Enter an Integer: '))) Push3_5(NUM) while Only3_5 : print(Only3_5.pop(), end=' ') else : print('StackEmpty')</pre> OR Any other correct equivalent code (5 Marks) | 5 |
| 27. | DISTINCT keyword (1 Mark) | 1 |
| 28. | Degree: It is the total number of attributes in the table. Cardinality: It is the total number of tuples in the table Degree -4 Cardinality – 2 <p style="text-align: right;">(½ Mark each)</p> | 2 |
| 29. | DDL(Data Defintion Language) DML (Data Manipulation Language) DDL commands-CREATE, ALTER, DROP (Any Two) <p style="text-align: right;">(½ Mark each)</p> | 2 |
| 30 | Primary Key- A set of one or more attribute that can identify a record uniquely in the relation is called Primary Key. Candidate key- In a table there can be more than one attribute which contains unique values. These columns are known as candidate key as they are the candidate for primary key. <p style="text-align: right;">(1 Mark each)</p> | 2 |

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| 30. | <p>CREATE DATABASE COMPANY; (½ Mark)</p> <p>USE COMPANY;</p> <p>CREATE TABLE ITEM (1½ Marks)</p> <p>(ITEMNO CHAR(5), INAME VARCHAR(25), QTY INT, PRICE DECIMAL(10,2));</p> | 2 |
| 31. | <p>(i) DESC STUDENT;</p> <p>(ii) SELECT * FROM STUDENT WHERE STREAM='COMMERCE';</p> <p>(iii)SELECT NAME,FEES FROM STUDENT WHERE FEES>6000 AND GENDER='F';</p> <p>(iv)SELECT * FROM STUDENT ORDER BY FEES DESC;</p> <p>(v) SELECT NAME FROM STUDENT WHERE NAME LIKE '%A';</p> <p>(1 Mark each)</p> | 5 |