THE VILLAGE
INTERNATIONAL SCHOOL
"We Nurture Dreams"

| Date:19/02/2023<br>GRADE: XI | **ANNUAL EXAMINATION-2023-24**<br>**INFORMATICS PRACTICES(065)** | **Max marks:70**<br>**Time: 3 Hour** |
|---|---|---|

General Instructions:

1. This question paper contains five sections, Section A to E.
2. All questions are compulsory.
3. Section A have 18 questions carrying 01 mark each.
4. Section B has 07 Very Short Answer type questions carrying 02 marks each.
5. Section C has 05 Short Answer type questions carrying 03 marks each.
6. Section D has 03 Long Answer type questions carrying 05 marks each.
7. Section E has 02 questions carrying 04 marks each. One internal choice is given inQ35 against part c only.

| Qn.No | **SECTION A** | Marks |
|---|---|---|
| 1. | False | 1 |
| 2. | a)Volatile | 1 |
| 3. | b)5 | 1 |
| 4. | d) _ | 1 |
| 5. | a) Tables | 1 |
| 6. | c) CU | 1 |
| 7. | b) Update | 1 |
| 8. | d)popitem() | 1 |
| 9. | d) print() function | 1 |
| 10. | a) Syntax error | 1 |
| 11. | d) Free and open source | 1 |
| 12. | c) Keywords | 1 |
| 13. | Structured Query Language | 1 |
| 14. | a) Multiline commending | 1 |

| | | |
|---|---|---|
| 15. | c)\n | 1 |
| 16. | c) Both a and b | 1 |
| Q17 and 18 are ASSERTION AND REASONING based questions. Mark the correct choice as<br>(a) Both A and R are true and R is the correct explanation for A<br>(b) Both A and R are true and R is not the correct explanation for A<br>(c) A is True but R is False<br>(d) A is false but R is True | | |
| 17. | b. Both A and R are true but R is not the correct explanation of A | 1 |
| 18. | a. Both A and R are true and R is the correct explanation for A | 1 |
| **SECTION B** | | |
| 19. | a=8<br>a=a+2<br>if(a==8): (double == and column symbol)<br>print("value of a is eight") (Quotation mark needs to be same)<br>else:<br>___ print("the value of a is not eight") (Indendation) | 2 |
| 20. | a) 11<br>OR<br>b) ['a','b','c','d']<br>['a','X','c','Z'] | 2 |
| 21. | i. ID<br>ii. SELECT * FROM DEPARTMENT;<br>iii. Degree=5 Cardinality=7<br>iv. SELECT NAME, SALARY FROM DEPARTMENt; | 2 |
| 22. | A=15<br>B=10<br>A=A+B<br>B=A-B<br>A=A-B<br>print(A,B) | 2 |
| 23. | a) Integrated Development and Learning Environment.<br>b) Data Base Management System. | 2 |
| 24. | a) 123<br>OR | 2 |

b) True
False
False
True
False
False

25.

| Interpreter | Compiler |
|---|---|
| Translates program one statement at a time. | Scans the entire program and translates it as a whole into machine code. |
| Interpreters usually take less amount of time to analyze the source code. However, the overall execution time is comparatively slower than compilers. | Compilers usually take a large amount of time to analyze the source code. However, the overall execution time is comparatively faster than interpreters. |

2

## SECTION C

26.

```
m=int(input("Enter a mark
if(m>90):
    print("A")
elif(m>=80 and m<=90):
    print("B")
elif(m>=70 and m<=79):
    print("C")
elif(m>=60 and m<=69):
    print("D")
else:
    print("E")
```

3

27. a)

```
a=int(input("enter the first no"))
b=int(input("enter the second no"))
c=int(input("enter the third no"))
if a>b and a>c:
    print(a,"is the largest number")
elif b>a and b>c:
    print(b,"is the largest number")
else:
    print(c,"is the largest number")
```

OR

b)

```
Dic1={ 101:"Priya", 102:"Madhav",103:"Maya",104:"Steev", 105:"Elvis"}
print(Dic1)
del Dic1[104]
print(Dic1)
```

3

28. a) Operators are used for do some Arithmetic and logical calculations. 3

- Arithmetic operators
- Logical operators
- Assignment operators
- Comparison operators
- Identity operators
- Membership operators

```
A=15
B=5
C=A+B
 print("The result of",A,"+",B,"is "C)
 C=A-B
 print("The result of",A,"-",B,"is "C)
C=A*B
 print("The result of",A,"*",B,"is "C)
```

29. Observe the following table and answer the following questions. 3

Table : **Stock**

| **Item_code** | **Item** | **Quantity** | **Rate** |
|---|---|---|---|
| 10 | Gel Pen Classic | 1150 | 25 |
| 11 | Sharpener | 1500 | 10 |
| 12 | Ball Pen 0.5 | 1600 | 12 |
| 13 | Eraser | 1600 | 5 |
| 15 | Ball Peen 0.25 | 800 | 20 |

i) Write SQL commands to insert a record in the stock table with the values: (16,'Pensil HB',1200,8)

ii) Write the output of the following SQL query.
Select item from stock where item_code=13;

iii) Write the query for displaying the details of item Eraser.

30. 3

```
['I', 'F', 'R', 'A', 'I']
['I', 'F', 'R', 'A', 'I', 'P', 'A', 'T', 'C', 'S']
['F', 'M', 'I', 'R', 'T', 'E']
['I', 'N', 'F', 'O', 'R', 'M', 'A', 'T', 'I', 'C', 'P', 'R', 'A', 'C', 'T', 'I', 'C', 'E', 'S']
['N', 'I']
[]
```

**SECTION D**

31.

a) Create database “MNC”;
Use MNC;
b) Create table STAFF(StaffID in primary key,Sname Varchar(15),Salary integer);
c) Desc STAFF;
d) Insert into staff values(111,”Sarang”,25000);
e) Select * from staff;

5

32.

**i) SELECT NAME,BONUS FROM EMPLOYEE WHERE AGE>30;**

ii) SELECT DEPARTMENT,YOE FROM EMPLOYEE WHERE NAME=”VIGNESH”

iii) SELECT NAME,AGE FROM EMPLOYEES WHERE BONUS=300 AND YOE=6;

iv) SELECT NAME AND Emp_no FROM Employee WHERE Dcode =P1;

| Name | Emp_No |
|---|---|
| Vignesh | 5 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | Jineesh | 300 | Sales | 6 | S1 | 32 |
| 5 | Vignesh | 300 | PRO | 6 | P1 | 46 |
| 7 | Sarang | 400 | Production | 6 | P2 | 34 |

33.

i.

| a. | b. | c. |
|---|---|---|
| I<br>N<br>D<br>I<br>A | 20<br>16 | 11<br>13<br>15<br>17<br>19 |

d.

```
A=int(input("Enter a number"))
for i in range(1,11):
        print(i,"*",A,"=",i*A)
```

| | | |
|---|---|---|
| 34. | a. February<br>b. dict_keys(['Jan', 'Feb', 'Mar', 'Apr'])<br>c. 4<br>d. {"Feb":"February","Mar":"March","Apr ":"April"'} | |
| 35. | i. SELECT NAME,DEPARTMENT FROM STAFF WHERE DEPT="Computer Science";<br>ii. UPDATE STAFF SET SALARY=87000 WHERE NAME ="Hrithika";<br>iii. ALTER TABLE STAFF ADD Location VARCHAR(25);<br>iv.<br><br>OR<br><br>Explain with figure | |

| | | | | |
|---|---|---|---|---|
| 5 | Hridhika | 27 | Computer science | 85000.00 |