

# CLASS XI

## GUESS PAPER

### INFORMATICS PRACTICES(065)

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M.Marks-35

Time- 2 Hours

1. (i) What is DBMS? Write MySQL command to create a database named –“NEW2022” .2  
(ii) Define the term Candidate Key of a table with example. 2  
(iii) What is NULL value? Give example. 1  
(iv) Name the SQL command used to- 5×1=5  
(a) Physically delete a table from a database.  
(b) Display the structure of a table.  
(c) Display list of tables from a database.  
(d) Display the table data either in ascending or descending order.  
(e) To change the existing data from a table.

Or

(iv) Write short note on the following:

- a) Cloud computing
- b) Big data
- c) Artificial Intelligence
- d) Machine Learning
- e) Internet of Things

2. Choose the correct answer – 10×1=10

(i) Number of attributes in a relation is called \_\_\_\_\_

- (A) size                      (B) degree                      (C) cardinality                      (D) weight

(ii) The term \_\_\_\_\_ is used to refer to a row .

- (A) Attribute                      (B) Tuple                      (C) Filed                      (D) Instance

(iii) \_\_\_\_\_ is a field in a database table (or a combination of fields ) that has a unique value.

(A) A foreign key      (B) A primary key      (C) An identifier      (D) A candidate key

(iv) How do you select only one column 'Name' from a table named 'Employee'?

- (A) Select {all} from Employee;
- (B) Select 'Name' from Employee;
- (C) Select Name from Employee;
- (D) Select from Employee Name;

(v) Following which command is used to delete a database in MySQL?

- (A) DELETE      (B) DROP      (C) DESC      (D) REMOVE

(vi) How would you display all those rows from a table named "Friends" where the value of the column 'Hobbies' is not 'Swimming'?

- (A) select all from Friends where Hobbies is 'Swimming';
- (B) select \* from Friends where Hobbies != 'Swimming';
- (C) select all from Friends where Hobbies is not 'Swimming';
- (D) select \* from Friends where Hobbies is <>'Swimming';

(vii) How do you select all the rows from a table named 'Student' where the value of the column 'FName' starts with 'K'?

- (A) select \* from Student where FName like 'K\_\_\_';
- (B) select \* from Student where FName = 'K';
- (C) select \* from Student where FName like 'K%';
- (D) select \* from Student where FName like '%K';

(viii) The data types CHAR(n) and VARCHAR(n) are used to create \_\_\_\_\_ and \_\_\_\_\_ types of string /text fields in a database,

- (A) Fixed, equal      (B) Equal, variable      (C) Fixed, variable      (D) Variable, equal

(ix) In the given query which keyword has to be inserted?

insert into employee \_\_\_\_\_(1002,'Kamal',2000);

- (A) table      (B) values      (C) value      (d) field

(x) Which operator performs pattern matching?

- (A) Between                      (B) Like                      (C) Is                      (D) In

3. Write command to create a table -CVOTER with following structure and Insert at least four rows into it. 2+2

Filed name	Date Type/size
Vno	Integer(4)
Vname	Varchar(30)
Age	Integer(3)
Address	Varchar(30)
Phone	Double(16)

4. Consider the following table- NewStudent

11×1=11

Table- NewStudent

Admno	Name	Stream	Optional	Average
1001	Shristi	Science	CS	90
1002	Ashi	Humanities	NULL	80
1003	Aditya	Commerce	IP	NULL
1004	Ritu Raj	Science	NULL	65
1005	Sonali	Commerce	Maths	60
1006	Saumya	Science	IP	65
1007	Ashutosh	Science	IP	NULL
1008	Prashant	Science	PE	65
1009	Aman	Commerce	IP	95
1010	Rishabh	Commerce	Ent	70

Write commands in SQL for (i) to (ix):

- (i) To display the details of all those students who have PE as their optional subject.
- (ii) To display name, stream and optional of all those students whose name starts with 'S'.
- (iii) To display a name of all those students who have average less than 80.
- (iv) To display a name of all those students who have average in the range of 80 to 90.
- (v) To display the details of all those students whose stream is either Humanities or Commerce.
- (vi) To display distinct stream available in the table.

(vii) To display the Name, Stream and Average of all those students who are from Commerce stream and Average is not above 80.

(viii) To display details of all students other than 'Aditya' and 'Prashant'.

(ix) To change average = 70 where average is null.

(x). On the basis of the Table NewStudent, write the output (s) produced by executing the following queries:

1. Select Stream from NewStudent where Name not Name like "%tosh";
2. Select name from NewStudent where optional IN ('Maths', 'Ent');