**D.A.V. Centenary Public School, Chander Nagar**

Unit Test - 1

**Class** : XII **Subject** : Computer Science **M.Marks**: 30

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| Q1 | A | Define Cartesian Product with some suitable example | 2 |
|  | B | Differentiate between DDL and DML commands with some suitable examples | 2 |
|  | C | “Is NULL is equal to NULL?” Justify your answer | 2 |
|  | B | Write SQL Command for i) to viii ) and write output for ix to xiii  Table : Student   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Admno | Name | Gender | Class | GameID | Stream | Fees | | 101 | Chetan | M | 12A | 10 | Science | 1540 | | 102 | Sarthak | M | 12A | 20 | Comm | 2230 | | 103 | Prateek | M | 11B | 30 | Human | 1230 | | 104 | Anushka | F | 11A | 10 | Science | 1450 | | 105 | Himanshu | M | 12B | 10 | Human | 1690 | | 106 | Atulya | F | 11C | 20 | Comm. | 2000 |   Table: Coach   |  |  |  |  | | --- | --- | --- | --- | | GameID | Game Name | Coach Name | Coaching Fee | | 10 | BasketBall | Deepak | 1850 | | 20 | Sketing | Abhishek | 1640 | | 30 | Vollyball | Rimuraj | 1350 | | 40 | Boxing | Ravi Kiran | 1560 |  1. Display all the details of student whose class is 12 2. Count stream wise students 3. Display Admno, Name , class of all female students from commerce stream 4. Display students details whose fees is between 1200 and 2000 5. Create a report showing admno, name, class and annual fees paid the student. ( suppose fee is at taken on monthly basis ) 6. Display all students details who’s Game is Boxing 7. Display Game wise total fees collection. 8. Insert a new record in student table with some suitable details 9. SELECT distinct (stream) from student 10. SELECT MAX(FEES) FROM STUDENT WHERE CLASS LIKE ‘11%’ 11. SELECT SUM(FEES) FROM STUDENT WHERE GENDER =’F’ AND CLASS=”12A” 12. SELECT ADMNO, NAME, CLASS FROM STUDENT S, COACH C WHERE S.GAMEID = C.GAMEID | 12 |
| Q2 | A | Mr. Rakesh Shared few music files with his friend Ankit Gupta using blutooth. Which type of network he established with him. | 1 |
|  | B | Expand the following terms   1. GSM ii) SMTP iii) MBPS iv) MODEM | 2 |
|  | C | Differentiate between FreeWare and Free Software | 2 |
|  | D | Differentiate between HACKER and CRACKER | 2 |
|  | E | List two advantage and two disadvantage of STAR topology | 2 |
|  | F | What is Cloud Computing ? | 1 |
|  | G | What is Domain Name? How it is Different with URL ? Explain with some suitable example | 2 |