

S.F.D.A.V. Public School,Muzaffarnagar

QUESTION BANK -II

CLASS : XII SUBJECT : INFORMATICS PRACTICES

Q1.What is networking ?

Q2. Write the two advantages and two disadvantages of commuter network?

Q3. How many type of computer network?

Q4. What is difference between LAN and WAN?

Q5. What is the need of twisted pair cable in computer network?

Q6. What is the Difference between coaxial cable and optical fiber?

Q7 What is the witless transmission media?

Q8.What is function of Modem ?

Q9. What is need of Switch in computer network?

Q10. What is Router ?

Q11. What is Repeater?

Q12.What is MAC address?

Q13. What is I.P address?

Q14.What is URL? Explain with example?

Q15.What is the function Firewall?

Q16.What is the use of Gateway in Computer network?

Q17. What do you understand by Open source Software?

Q18 Write the name of Open source software?

Q19. What is the difference between between Open source and free Software?

Q20 Explain the following

I. FLOSS (ii) FSF (iii) GNU

Q21. What is Unicode?

Q22. What is the relationship between Properties and Methods and events?

Q23. What is the difference between Container and component?

Q24. What are data types in java? Explain its types?

Q25. What do you understand by operators in java? Explain its types?

Q26. Define the conditional statements in java?

Q27. What is the difference between Exit and Entry Control Loop?

Q28. What is Switch statement in java?

Q29. What is the purpose of Default case in Switch statements?

Q30. Why do we use Break and continue statement in switch case statement?

Q31 Write the SQL Queries of given Table CLUB

COACH_ID	COACHNAME	AGE	SPORTS	DATOFAPP	PAY	SEX
1	KUKREJA	35	KARATE	27/03/1996	1000	M
2	RAVINA	34	KARATE	20/01/1998	1200	F
3	KARAN	34	SQUASH	19/02/1998	2000	M
4	TARUN	33	BASKETBALL	1/1/1998	1500	M
5	ZUBIN	36	SWIMMING	12/1/1998	750	M
6	KETAKI	36	SWIMMING	24/02/1998	800	F
7	ANKITA	39	SQUASH	20/02/1998	2200	F
8	ZAREEN	37	KARATE	22/02/1998	1100	F
9	KUSH	41	SWIMMING	13/01/1998	900	M
10	SHAILYA	37	BASKETBALL	19/02/1998	1700	M

(a) To show all information about the swimming coaches in the club.

(b) To list names of all coaches with their date of appointment in descending order.

(c) To display a report, showing coachname, pay, age and bonus(15% of pay) for all the coaches.

(d) Give the output of following SQL statements:

- (i) SELECT LCASE (SPORTS) FROM Club;
- (ii) SELECT MOD(Age,5) FROM CLUB WHERE Sex= 'F';
- (iii) SELECT POWER(3,2) FROM CLUB WHERE SPORTS='KARATE' ;

(e) Give the output of following SQL statements:

(i) SELECT COUNT (DISTINCT SPORTS) FROM CLUB ;

(ii) SELECT MIN(AGE) FROM CLUB WHERE SEX= 'F'

(iii) SELECT AVG(PAY) FROM CLIB WHERE SPORTS='KARATE' ;

(iv) SELECT SUM(PAY) FROM CLUB WHERE Dateofapp>,31/01/98 ;

Q32. Table: MOVE

No.	Title	Type	Rating	Stars	Qty	Price
1	gone with the wind	Drama	G	Gable	4	39.95
2	Friday the 13th	Horror	R	Jason	2	69.95
3	top gun	Drama	PG	Cruise	7	49.95
4	Splash	Comedy	PG13	Hanks	3	29.95
5	Independence day	Drama	R	Turner	3	19.95
6	Risky Bussiness	Comedy	R	Cruise	2	44.95
7	cocoon	Scifi	PG	Ameche	2	31.95
8	Crocodile Dundee	Comedy	PG13	Harris	2	69.95
9	101 Dalmantins	Comedy	G		3	59.95
10	tootsie	Comedy	PG	Hoffman	1	29.95

Give the output of following SQL commands on the basis of table MOVE

- (i) SELECT AVG(Price) FROM MOVE WHERE Price<30 ;
- (ii) SELECT MAX(Price) FROM MOVE WHERE price>30 ;
- (iii) SELECT SUM(Price * Qty) FROM MOVE WHERE QTY<4;

(iv) `SELECT COUNT(DISTINCT Type) FROM MOVE ;`

Q33. What is join ? How many different types of joins can you create explain ?

Q34. Define the following :

(i). Primary key (ii). Candidate key

(iii). Alternate key

Q35 Why do we use ROLLBACK statement ? Explain in brief with the help of an example .

Q36. What is the foreign key ? what is FOREIGN KEY constraint ?

Q37. What is a database system ? what is it need ?

Q39. What is transaction ?

Q40. Compare the differences between DDL and DML commands of SQL ?

Q41. Differentiate between CHAR and VARCHAR data types. ?

Q42. What is the difference between Update and Alter Commands in SQL?

Q43. what is the difference between Round and Truncate function in SQL?

Q44. What is the difference between SUBSTR and INSTR function

Q45. Explain the following SQL function

(I) Length() (ii) Mod() (ii) Power()