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| **UT/CSAK/1223/B 09-NOV-2023** | | | |
| **UNIT TEST II (2023-24)** | | | |
| **Subject: COMPUTER SC (083)**  **Grade: XII** | | Max. Marks: 50Time: 2 Hrs 30 Mins | |
| Answer key | | | |
| **Qno** | **SECTION A** | | Mark |
| **1.** | False | | **1** |
| **2.** | c) A and D | | **1** |
| **3.** | c) Fixed, Variable | | **1** |
| **4.** | a)Data Definition Language (DDL) | | **1** |
| **5.** | a) Linear | | **1** |
| **6.** | d) Router | | **1** |
| **7.** | a) file\_object.seek(offset [, reference\_point]) | | **1** |
| **8.** | Foreign key | | **1** |
| **9.** | **(d)** A is false but R is true. | | **1** |
| **10.** | **(b)** Both A and R are true and R is not correct explanation of A. | | **1** |
|  | **SECTION B** | |  |
| **11.** | a)i) HTTP – Hyper Text Transfer Protocol ii) ARPANET – Advanced Research Project Agency NETwork  b)A switch is called an intelligent hub because before simply forwarding a packet it checks for the intended destination for the packet and forwards it to that destination only, this is called packet filtering. While a hub forwards a packet to all the workstations in a network but only destination computer keeps it, rest all the computers drops that packet. | | **2** |
| **12.** | a) ALTER TABLE CUSTOMERS ADD GENDER CHAR;  b) select \* from customers where city not in (DELHI’ or‘MUMBAI’ or ‘CHANDIGARH’) | | **1+1=2** |
| **13.** | 1. **Select distinct destination from transporter;** 2. **Select \* from where drivergrade is not null;** 3. **Select drivername,item ,traveldate from transporter where traveldate<’2019-04-01’;** 4. **Select count(\*) from transporter where drivername like ‘%mohan%’** | | **2** |
| **14.** | i) It breaks the link of the file object and the file on disk. After file is closed, no file operations can be don on the file. ii) It forces the writing of data on the disk still pending in output buffers  Eg1:  f=open('story.txt','r+')  f.write("Story continues....")  f.close()  print(f.read(5))# error , file closed can't do any operation after that with file  Eg2:  f=open('story.txt','r+')  f.write("Story continues....")  f.flush()  print(f.read(5)) | | **2** |
| **15.** | a. Difference between circuit switching and packet switching    b. Difference between a Router and Gateway | | **2** |
|  | **SECTION C** | |  |
| **16.** | a)    **Degree – 6, Cardinality =5**  b)  i) ii)    iii) iv) | | **3**  1+2 |
| **17.** |  | | **3** |
| **18.** |  | | **3** |
| **19.** | 1. Select name from sports where game1=game2; 2. Update sports set game1=”DONE”,game2=”DONE” where game1<=’B’ and game2<=’B’; 3. Select \* from sports order by name; | | **3** |
|  | **SECTION D** | |  |
| **20.** | 1. **Select gamename,prizemoney from games where scheduledate like ‘\_ \_ \_jan-2004’;** 2. **Select sum(prizemoney),number from games group by number;** 3. Select GameName, Name, ScheduleDate from games natural join player; 4. Select \* from games natural join player where prizemoney>7000; | | **4** |
| **21.** |  | | **4** |
|  | **SECTION E** | |  |
| **22.** | i)  (a) Head Office and Tech Office - MAN  (b) Head Office and Coimbatore Office -WAN  (ii) Switch/Hub  (iii) Optical fiber  (iv)    For connecting the regional offices satellite communication is an efficient technology.  (v) Head Office since it has maximum number of computers | | **5** |
| **23.** | (i) Differentiate between the writerow and writerows function.  writerow()- write record line by line  Syntax: wr\_obj.writerow(row\_name)  writerows()- write all records at a time.  Syntax:  wr\_obj.writerows(field\_name) | | **5** |

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