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**PRE-BOARD EXAMINATION 2021-22**

**Subject: Computer Science (083)**  Max. Marks: 35

**Grade: XII** Time: 2 Hrs.

* Answer Key

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|  | **SECTION A**  **Each Question carries 2 Marks** |  |
| Q.No | Questions | Marks |
|  | 1. push,pop 2. Feature is LIFO | (2) |
|  | 1. (HyperText Transfer Protocols Secured) 2. eXtensibile Markup Language | (1) |
|  | Ans: Bps, Kbps, Mbps, Gbps | (1) |
|  | The difference between fetchone() is it fteches one record at a time and fetchall() fetches all the records from the cursor. | (2) |
|  | Connect(host=’local host’, user=’root’) | (2) |
|  | 1. SELECT COUNT (DISTINCT ParticipantsNum) FROM ACTIVITY; Ans: 3 2. SELECT MAX(ScheduleDate), MIN(ScheduleDate) FROM ACTIVITY;   19-Mar-2004 12-Dec-2003   1. SELECT SUM(PrizeMoney) from ACTIVITY where Stadium=’Star Annex’; Ans:31000 2. SELECT Acode from ACTIVITY ORDER BY Acode DESC;   1001  1002  1003  1005  1008 | (2) |
|  | Group by | (1) |
|  | It is a set of one or more attributes that can uniquely identifies the tuple in a relation . Example Rollno of a student | (1) |
|  |  | (2) |
|  | 1. Ans: Book\_Id |  |
|  | 1. Degree – 4 Cardinality - 6 |  |
|  | OR   1. **{Book\_id, Title, Author}** 2. It is a non-key attribute whose values are derived from the primary key of some other table |  |
|  | **SECTION B**  **Each question carries 3 Marks** |  |
| 8. | def push(Lst):  st=[]  for ele in lst:  if ele%6==0:  st.append(ele)  if st!=[]:  print(st[::-1])  else:  print("stack is empty")  OR  def pop(st):  if st==[]:  print("stack is empty")  else:  return st.pop() | (3) |
| 9 | Insert into books values(2010,’A book of Comp Sc’,’Praveen Sharma’,625); | (1) |
|  | DML (SELECT,UPDATE)  DDL(ALTER,DROP) | (2) |
| 10 | Use school;  Create table teacher(tecahercode char(5) primary key, teachername char(30),subject char(20),salary int); | (3) |
|  | **SECTION C**  **Each question carries 4 Marks** |  |
| 11 | 1. Select Tname,city,salary from trainer order by hiredate desc; 2. Select tname,city from trainer where hirdate between ‘2001-12-01’ and ‘2001-12-31’; 3. Select TNAME, HIREDATE, CNAME, STARTDATE from TRAINER ,COURSE where FEES <= 10000 and trainer.tid=course.tid; 4. Select count(\*),city from trainer group by city; | (4) |
| 12 | Give two advantages of Computer Network  Sharing, Communication  OR  URL , Websiite | (2) |
|  | LAN is local area network and is used for connecting small area and WAN is wide area network and connecting across countries. | (2) |
| 13 | 1. Suggest cable layout for the connections between the various buildings,           (b) Main  (c) Switch/Hub – For all building 2. Repeater – distance more than 100 m  (d) Optical Fibre | (4) |