

SAMPLE QUESTION PAPER
COMPUTER SCIENCE (083) – CLASS XII

Maximum Marks: 35

Time: 2 Hours

General Instructions

- The question paper is divided into 3 sections – A, B and C
- Section A, consists of 7 questions (1-7). Each question carries 2 marks.
- Section B, consists of 3 questions (8-10). Each question carries 3 marks.
- Section C, consists of 3 questions (11-13). Each question carries 4 marks.
- Internal choices have been given for question numbers 7, 8, 12.

| | | Section – A Each question carries 2 marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|----------|---|-------|------------|--------|------|-----------|--------|-----|------|--------|----|------------|-------|-----|-------|------|-------|------------|------|-----|---------|------|-------|------------|-------|-----|--------|----------|-------|------------|-------|-----|---------|-------|-------|------------|-------|-----|--------|--------|----|------------|-------|---|
| Q.no | Part No. | Question | Marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | | Identify the correction options out of the following which are implemented by Stack a. Undo operations b. Printer Spooling c. Function calling d. Expression solving e. Keyboard buffering f. Reverse of String | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | (i) | Expand the following: SMTP, URL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (ii) | In which type of switching all packets must be of same size? | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | Difference between Primary Key and unique with respect to database. | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | | A resultset is extracted from the table with 20 records using the cursor object (that has been already created) by giving the following statement. Records = cursor.fetchmany(3) (a) How many records will be returned by fetchmany() method? (b) What will be the datatype of Records object after the given command is executed? | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | Write the output of queries(a) to (d) based on the table, PERIPHERALS given below Table: EMPLOYEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>F_ID</th> <th>FNAME</th> <th>LNAME</th> <th>DEPT</th> <th>HIRE_DATE</th> <th>SALARY</th> </tr> </thead> <tbody> <tr> <td>102</td> <td>AMIT</td> <td>MISHRA</td> <td>IT</td> <td>1998-10-12</td> <td>12000</td> </tr> <tr> <td>103</td> <td>NITIN</td> <td>VYAS</td> <td>SALES</td> <td>1994-12-24</td> <td>8000</td> </tr> <tr> <td>104</td> <td>RAKSHIT</td> <td>SONI</td> <td>SALES</td> <td>2001-05-18</td> <td>16000</td> </tr> <tr> <td>105</td> <td>RASHMI</td> <td>MALHOTRA</td> <td>ADMIN</td> <td>2004-09-11</td> <td>13000</td> </tr> <tr> <td>106</td> <td>SULEKHA</td> <td>SINHA</td> <td>ADMIN</td> <td>2006-06-05</td> <td>11000</td> </tr> <tr> <td>107</td> <td>RAVINA</td> <td>SIROHI</td> <td>IT</td> <td>2007-10-22</td> <td>13000</td> </tr> </tbody> </table> (a) Select DEPT,MAX(SALARY) from EMPLOYEE group by DEPT (b) Select Min(HIRE_DATE) from EMPLOYEE where SALARY>=10000; (c) SELECT FNAME,SALARY*12 ANN_SAL from EMPLOYEE WHERE PID LIKE '%N%'; (d) SELECT FNAME,DEPT from EMPLOYEE where SALARY>=12000 order by HIRE_DATE desc; | F_ID | FNAME | LNAME | DEPT | HIRE_DATE | SALARY | 102 | AMIT | MISHRA | IT | 1998-10-12 | 12000 | 103 | NITIN | VYAS | SALES | 1994-12-24 | 8000 | 104 | RAKSHIT | SONI | SALES | 2001-05-18 | 16000 | 105 | RASHMI | MALHOTRA | ADMIN | 2004-09-11 | 13000 | 106 | SULEKHA | SINHA | ADMIN | 2006-06-05 | 11000 | 107 | RAVINA | SIROHI | IT | 2007-10-22 | 13000 | 2 |
| F_ID | FNAME | LNAME | DEPT | HIRE_DATE | SALARY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | AMIT | MISHRA | IT | 1998-10-12 | 12000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | NITIN | VYAS | SALES | 1994-12-24 | 8000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | RAKSHIT | SONI | SALES | 2001-05-18 | 16000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | RASHMI | MALHOTRA | ADMIN | 2004-09-11 | 13000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | SULEKHA | SINHA | ADMIN | 2006-06-05 | 11000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 107 | RAVINA | SIROHI | IT | 2007-10-22 | 13000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | (i) | Which command is used to open database to work? | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (ii) | Give one point between WHERE and HAVING clause | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

7

Consider the table COMPANY given below:

2

Table: COMPANY

| CID | NAME | CITY | PRODUCT NAME | PRICE |
|-----|---------|---------|--------------|-------|
| 111 | SONY | DELHI | TV | 89000 |
| 222 | NOKIA | MUMBAI | MOBILE | 3000 |
| 333 | ONIDA | DELHI | TV | 15000 |
| 444 | SONY | MUMBAI | MOBILE | 23000 |
| 555 | SAMSUNG | CHENNAI | MOBILE | 62000 |
| 666 | DELL | DELHI | LAPTOP | 55000 |

(a) Identify the Degree and Cardinality of the table

(b) Which field should be made the Primary Key? Justify your answer

OR

(a) Identify the candidate key(s) from the table COMPANY

(b) Consider the given table

Table: CUSTOMER

| CUSTID | NAME | QTY | CID |
|--------|--------------|-----|-----|
| 101 | Rohan Sharma | 20 | 222 |
| 102 | Deepak Kumar | 10 | 666 |
| 103 | Mohan Kumar | 5 | 111 |
| 104 | Sahil Bansal | 3 | 333 |
| 105 | Neha Soni | 7 | 444 |

Which field will be considered as the foreign key if the tables COMPANY and CUSTOMER are related in database?

Section – B

Each question carries 3 marks

8

Sanjana has created a dictionary containing ProdName and Price as the Key – Value pair of 8 Products. Write a program with separate user defined function to perform the following operations:

- Push the Keys (ProdName) of the dictionary into a Stack, where corresponding Price range is 5000-25000 (inclusive of both values).
- Pop and display the content of Stack.

For example if the content of Dictionary is as follows:

```
Product={"TV":20000,"Mobile":19999,"Camera":4999,"Printer":5999,
"Mouse":499,"Keyboard":600,"AC":45000}
```

The output of the program should be :

AC Printer Mobile TV

OR

Mohit has a list of 10 integers. You need to help him create a program with separate user defined functions to perform the following operations based on this list.

- Traverse the content of the list and push only odd numbers in Stack
- Pop and display the content of the stack

For example:

3

| | | <p>If the sample Content of the list is as follows: Num = [17, 25, 32, 65, 96, 56, 95, 105,33,27] Sample Output of the code should be: 27 33 105 95 65 25 17</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-------------|--|------------|-----------|------------|----------|--------|-------------|-------|-------------|----------|------------|-------------|------------|----------|---------|-------|------------|-------|------------|---------|-------------|------|------------|----------|------------|-----|-------|--------|------------|-------|------------|-----|-------|------|------------|--------|------------|-----|--------|-------|------------|-------|------------|-----|-------|------|-----------|-----|------|-------|-------|------------|-----|------|------|-------|------------|-----|------|-----|-------|------------|-----|------|------|------|------------|-----|------|-----|-------|------------|-----|------|---------|-------|------------|-----|---|
| 9. | (i) | <p>A table EMP has been created in a database by Arun with the following fields: EMPNO, EMPNAME, DEPT, SALARY, COMM Write SQL command to drop the column COMM from the table EMP.</p> | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (ii) | <p>Differentiate between DDL and DML. Identify DDL and DML commands from the following: (UPDATE, ALTER, DROP, INSERT)</p> | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | <p>Priyanka has to create a database named COACHING in MYSQL. She now needs to create a name named TRAINERS in the database to store the records of trainers. The table TRAINERS has the following structure Table: COVID</p> <table border="1"> <thead> <tr> <th>FIELD NAME</th> <th>DATA TYPE</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>TID</td> <td>INT</td> <td>Primary Key</td> </tr> <tr> <td>TNAME</td> <td>VARCHAR(30)</td> <td>Not null</td> </tr> <tr> <td>CITY</td> <td>VARCHAR(30)</td> <td></td> </tr> <tr> <td>HIREDATE</td> <td>DATE</td> <td></td> </tr> <tr> <td>SALARY</td> <td>INT</td> <td></td> </tr> <tr> <td>SUBJECT</td> <td>VARCHAR(15)</td> <td></td> </tr> <tr> <td>MOBILE</td> <td>CHAR(10)</td> <td></td> </tr> </tbody> </table> <p>Help her to complete the task by suggesting appropriate SQL commands.</p> | FIELD NAME | DATA TYPE | REMARKS | TID | INT | Primary Key | TNAME | VARCHAR(30) | Not null | CITY | VARCHAR(30) | | HIREDATE | DATE | | SALARY | INT | | SUBJECT | VARCHAR(15) | | MOBILE | CHAR(10) | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD NAME | DATA TYPE | REMARKS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TID | INT | Primary Key | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TNAME | VARCHAR(30) | Not null | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CITY | VARCHAR(30) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HIREDATE | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SALARY | INT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBJECT | VARCHAR(15) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MOBILE | CHAR(10) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <p>Section C Each question carries 4 marks</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | <p>Write queries (a) to (d) based on the table TRAINER and COURSES given below:</p> <p style="text-align: center;">Table: TRAINER</p> <table border="1"> <thead> <tr> <th>TID</th> <th>TNAME</th> <th>CITY</th> <th>HIREDATE</th> <th>SALARY</th> <th>MOBILE</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>Sunaina</td> <td>Mumbai</td> <td>2001-01-20</td> <td>90000</td> <td>5125912562</td> </tr> <tr> <td>102</td> <td>Anamika</td> <td>Delhi</td> <td>2015-08-11</td> <td>85000</td> <td>5988541236</td> </tr> <tr> <td>103</td> <td>Minakshi</td> <td>Kota</td> <td>2016-07-22</td> <td>75000</td> <td>5545210250</td> </tr> <tr> <td>104</td> <td>Rahul</td> <td>Mumbai</td> <td>2020-03-08</td> <td>95000</td> <td>5121122012</td> </tr> <tr> <td>105</td> <td>Jeetu</td> <td>Kota</td> <td>2015-08-25</td> <td>125000</td> <td>5632896512</td> </tr> <tr> <td>106</td> <td>Dipali</td> <td>Delhi</td> <td>2015-07-19</td> <td>69000</td> <td>5789641100</td> </tr> </tbody> </table> <p style="text-align: center;">Table: COURSES</p> <table border="1"> <thead> <tr> <th>CID</th> <th>CNAME</th> <th>FEES</th> <th>STARTDATE</th> <th>TID</th> </tr> </thead> <tbody> <tr> <td>C201</td> <td>AGDCA</td> <td>22000</td> <td>2021-01-15</td> <td>101</td> </tr> <tr> <td>C202</td> <td>ADCA</td> <td>15000</td> <td>2021-02-22</td> <td>103</td> </tr> <tr> <td>C203</td> <td>DCA</td> <td>10000</td> <td>2020-09-12</td> <td>102</td> </tr> <tr> <td>C204</td> <td>DDTP</td> <td>9000</td> <td>2020-10-05</td> <td>104</td> </tr> <tr> <td>C205</td> <td>DHN</td> <td>20000</td> <td>2021-04-01</td> <td>101</td> </tr> <tr> <td>C206</td> <td>O OEVEL</td> <td>18000</td> <td>2020-04-01</td> <td>105</td> </tr> </tbody> </table> <p>(a) To display average salary , city wise (b) To display name of trainer and respective cname of each trainer whose course started in the year 2020. (c) To display tname, city, hiredate and salary of all trainers hired in month of august in descending order of their salary (d) To add new trainer detail with the following given values: 107, 'Sujatha', 'Delhi', '2022-01-16', 88000, 5151514141</p> | TID | TNAME | CITY | HIREDATE | SALARY | MOBILE | 101 | Sunaina | Mumbai | 2001-01-20 | 90000 | 5125912562 | 102 | Anamika | Delhi | 2015-08-11 | 85000 | 5988541236 | 103 | Minakshi | Kota | 2016-07-22 | 75000 | 5545210250 | 104 | Rahul | Mumbai | 2020-03-08 | 95000 | 5121122012 | 105 | Jeetu | Kota | 2015-08-25 | 125000 | 5632896512 | 106 | Dipali | Delhi | 2015-07-19 | 69000 | 5789641100 | CID | CNAME | FEES | STARTDATE | TID | C201 | AGDCA | 22000 | 2021-01-15 | 101 | C202 | ADCA | 15000 | 2021-02-22 | 103 | C203 | DCA | 10000 | 2020-09-12 | 102 | C204 | DDTP | 9000 | 2020-10-05 | 104 | C205 | DHN | 20000 | 2021-04-01 | 101 | C206 | O OEVEL | 18000 | 2020-04-01 | 105 | 4 |
| TID | TNAME | CITY | HIREDATE | SALARY | MOBILE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | Sunaina | Mumbai | 2001-01-20 | 90000 | 5125912562 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | Anamika | Delhi | 2015-08-11 | 85000 | 5988541236 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | Minakshi | Kota | 2016-07-22 | 75000 | 5545210250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | Rahul | Mumbai | 2020-03-08 | 95000 | 5121122012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | Jeetu | Kota | 2015-08-25 | 125000 | 5632896512 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | Dipali | Delhi | 2015-07-19 | 69000 | 5789641100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CID | CNAME | FEES | STARTDATE | TID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C201 | AGDCA | 22000 | 2021-01-15 | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C202 | ADCA | 15000 | 2021-02-22 | 103 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C203 | DCA | 10000 | 2020-09-12 | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C204 | DDTP | 9000 | 2020-10-05 | 104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C205 | DHN | 20000 | 2021-04-01 | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C206 | O OEVEL | 18000 | 2020-04-01 | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | (i) | <p>Give two differences between HTML and XML OR Define the following terms: IP Address, Web Hosting</p> | (2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---------------------------------------|---|------------------|-----|-------------------|------|---------------------|------|-----------------|------|------------------|------|---------------------------------------|--------|-------|-----|---------|----|----------|----|------|----|-------------------|----|--|
| | (ii) How SMTP and POP3 are different from each other? | (2) | | | | | | | | | | | | | | | | | | | | | | |
| 13 | <p>Xcelencia Edu Services Ltd. is an educational organization. It is planning to setup its India campus at Hyderabad with its head office at Delhi. The Hyderabad campus has 4 main buildings – ADMIN, SCIENCE, BUSINESS and ARTS. You as a network expert have to suggest the best network related solutions for their problems raised in (i) to (iv), keeping in mind the distances between buildings and other given parameters.</p> <div data-bbox="381 394 1193 707" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">DELHI HYDERABAD</p> </div> <p>Distance between various buildings is given as:</p> <table border="1" data-bbox="376 792 860 1055" style="width: 100%; border-collapse: collapse;"> <tr><td>ADMIN to SCIENCE</td><td style="text-align: center;">80m</td></tr> <tr><td>ADMIN to BUSINESS</td><td style="text-align: center;">180m</td></tr> <tr><td>SCIENCE to BUSINESS</td><td style="text-align: center;">100m</td></tr> <tr><td>SCIENCE to ARTS</td><td style="text-align: center;">150m</td></tr> <tr><td>BUSINESS to ARTS</td><td style="text-align: center;">100m</td></tr> <tr><td>DELHI Head Office to Hyderabad Campus</td><td style="text-align: center;">1600KM</td></tr> </table> <p>Number of Computers in the buildings:</p> <table border="1" data-bbox="376 1124 860 1312" style="width: 100%; border-collapse: collapse;"> <tr><td>ADMIN</td><td style="text-align: center;">100</td></tr> <tr><td>SCIENCE</td><td style="text-align: center;">85</td></tr> <tr><td>BUSINESS</td><td style="text-align: center;">40</td></tr> <tr><td>ARTS</td><td style="text-align: center;">12</td></tr> <tr><td>DELHI Head Office</td><td style="text-align: center;">20</td></tr> </table> <p>(a) Suggest the most appropriate location of the server inside the Hyderabad Campus (out of 4 buildings) to get the best connectivity for maximum number of computers. Justify your answer.</p> <p>(b) Suggest and draw the cable layout to efficiently connect various buildings within Hyderabad Campus for connecting the computers.</p> <p>(c) Which hardware device will you suggest to be procured by the company to be installed to protect and control the internet uses within the campus.</p> <p>(d) Which of the following will you suggest to establish the online fact-to-face communication between the people in the ADMIN office of Hyderabad campus and Delhi Head Office</p> <ol style="list-style-type: none"> i) E-Mail ii) Text Chat iii) Cable TV iv) Video Conferencing | ADMIN to SCIENCE | 80m | ADMIN to BUSINESS | 180m | SCIENCE to BUSINESS | 100m | SCIENCE to ARTS | 150m | BUSINESS to ARTS | 100m | DELHI Head Office to Hyderabad Campus | 1600KM | ADMIN | 100 | SCIENCE | 85 | BUSINESS | 40 | ARTS | 12 | DELHI Head Office | 20 | |
| ADMIN to SCIENCE | 80m | | | | | | | | | | | | | | | | | | | | | | | |
| ADMIN to BUSINESS | 180m | | | | | | | | | | | | | | | | | | | | | | | |
| SCIENCE to BUSINESS | 100m | | | | | | | | | | | | | | | | | | | | | | | |
| SCIENCE to ARTS | 150m | | | | | | | | | | | | | | | | | | | | | | | |
| BUSINESS to ARTS | 100m | | | | | | | | | | | | | | | | | | | | | | | |
| DELHI Head Office to Hyderabad Campus | 1600KM | | | | | | | | | | | | | | | | | | | | | | | |
| ADMIN | 100 | | | | | | | | | | | | | | | | | | | | | | | |
| SCIENCE | 85 | | | | | | | | | | | | | | | | | | | | | | | |
| BUSINESS | 40 | | | | | | | | | | | | | | | | | | | | | | | |
| ARTS | 12 | | | | | | | | | | | | | | | | | | | | | | | |
| DELHI Head Office | 20 | | | | | | | | | | | | | | | | | | | | | | | |