| | | SAMPLE PAPER - 1 | | |
|------|---|--|---------------------|---|
| | | INFORMATICS PRACTICE | 5 | |
| | Class: XII CBSE | | | |
| | Time: 2:00 Hrs | TERM - II | Max .Marks: 35 | |
| nera | 1 Instructions: | | | |
| • 7 | The question paper is divided in | nto 3 Sections - A, B, and C. | | |
| • \$ | Section A consists of 7 Questio | ons (1-7). Each Question Carries 2 | Marks. | |
| | - | ons (8-10). Each Question Carries | | |
| | - | ons (11-13). Each Question Carries | s 4 Marks. | |
| • I | nternal Choices given for Ques | | | |
| | This section | SECTION – A | ~ | |
| | | on consists of 7 Questions (1 to 7 | | |
| 1. | | /III, and seldom browses internet. and add-ons. As a senior, expl | | [|
| | between Plug-ins and add-or | - | | |
| | | (OR) | | |
| | Akash, a beginner in IT field | has just started learning web tech | nologies. Help him | |
| | _ | nce between website and Web Host | | |
| 2. | (i) | | | [|
| | I: | | | |
| | > am a technology | 11 11 .1 | 1 | |
| | computer instead of a | ce calls over internet directly throu | gn a | |
| | _ | to a digital signal that travels over i | nternet. | |
| | Who am I? | | | |
| | (ii) | | | |
| | - | ne and sub-domain name from t | he following URL: | |
| 3. | Predict the output of the follo | ghorse.com/about-us.html | | [|
| 0. | (i) SELECT SIGN(-101) ; | (ii) SELECT POWER(4,-2); | | L |
| | | | | |
| | | (OR) | | |
| | | tains 4 records and Aamir exec | uted the following | |
| | queries, find the output of bo (i) Select mod(9.2) from dual | oth the queries: 1; (ii) select mod(9,2) from medici | nes: | |
| 4. | | remote village with little knowledg | | [|
| | | ain the difference between email ar | | |
| | example. | | | |
| 5. | Anuj is student of class XII, | , trying to execute the following qu | ueries, help him to | [|
| | predict the output. | | | |
| | (i) select round (45.9,-2); (ii) |) select round (-101.86,0) | | |
| 6. | | se table storing details of medicina | plants of different | [|
| | | the number of plants of each type | - | Ľ |
| | | and clause to be usedby her with th | | |
| | I SUPPESE A SUITABLE TUNCTION A | and clause to be used by her with th | e nero or example. | |

| • | | e , predi | | | | | | e output of following queries on | | |
|---|---|-------------------------------|---------------|---------------|--------------|---------------------------|--------|---|--|--|
| | | | | LOA | NS | | | | | |
| | ID | CUS_NA ME | LOAN_ AMT | INSTA LLME | INT_R ATE | STARTDATE | AGE | | | |
| | C1 | SAMEER | 300000 | NT 36 | 12.00 | 2019-07-19 | 36 | | | |
| | C2 | ARYAN | 500000 | 60 | 10.00 | 2018-03-22 | 65 | | | |
| | C4 | RAM | 800000 | 48 | NULL | 2018-03-08 | 48 | | | |
| | C6 C7 | PRERNA SHIKHA | 300000 900000 | 36 | 10.00 | 2020-12-06 2020-01-03 | 42 | | | |
| | C8 | RADHA | 1000000 | 60 | NULL | 2017-07-29 | 62 |] | | |
| | He ł | nas writt | ten the | followiı | ng que: | ries: | | | | |
| | (i) se | elect (yea | ar(curda | ate)-yea | ar(Star | tDate))*12 a | s Ins | tallments_over | | |
| | fro | om loans | S | | | | | | | |
| | (ii) s | elect CL | JS_NAM | E,mon | thnam | e(Startdate | from | LOANS where 60-age<=0; | | |
| | | | | | | (OR) | | | | |
| | Base | ed on th | e table | given a | bove, I | help Harshi | t, wri | te queries for the following: | | |
| | (i) To display the earliest loan start date. | | | | | | | | | |
| | (ii) To display the names and loan amount of those customers whose loan | | | | | | | | | |
| | s | started in | n 'Marc | h'. | | | | | | |
| | , | Chis sec | tion co | nsists | of 3 C | SECTION · Duestions (8 | | .0). Each Carries 3 Marks. | | |
| , | | | | | - | ig queries: | | | | |
| | | lect mid | - | | | | | | | |
| | , | | • | | , | ч, б), | | | | |
| | ' | elect ins | • | | | | | | | |
| | 111) S | elect co | ncat('K\ | /S','Del | hi Reg | ion',2022) | | | | |
| | | | | | | (OR) | | | | |
| | | ita is [.] cture: | working | g on a | ۱ MySe | | | l 'PRODUCTS' having following Characters of pid. | | |
| | Fiel | <u></u> | | Туре | | | | e product name in upper case, | | |
| | pid | u | | Varchar(| 5) | - | - | | | |
| | Pna | me | | Varchar(| | | - | trailing and preceding spaces. | | |
| | desc | - | + + | Varchar(| | - | - | characters from 4th position | | |
| | qty | • | | integer | | | | ı descp. | | |
| | Pric | e | | float | | Suggest So | QL fu | nction(s) for the same. Also | | |
| | | | | | | write the c | iierw | to achieve the desired task | | |
| | | - | | | | | | npany. While working with real- | | |
| | | | | - | | | - | him name the functions to clear | | |
| | his | queries a | and exp | lain th | e diffe | rence amon | g ther | n: | | |
| | | | | | | nstant time | that | indicates the time at which the | | |
| | | atement | - | | | | | | | |
| | - | | | | | time at whic | | | | |
| | 111) A | tunctio | n that | return | s the c | urrent date | only | and not the time. | | |

| | C C | v is execution | 0 | 0. | | | | | |] [| |
|-----|--|--|---|--|---|--|---|---|---|-----------------|--|
| | (i) S | Select len(" (| OMICRON | VARIENT | `"); | | | | | | |
| | (ii) | Select len(lt | rim(" OMI | CRON VA | RIENT | `")); | | | | | |
| | (iii) | Select len(r | trim(" OM | ICRON VA | ARIEN | T ")); | | | | | |
| | He h | as placed | 3 spac | es in t | the b | eginni | ng an | nd end of | the strin | g | |
| | 'OMIC | RON VARIE | NT'. Sanje | ev is puzz | zled by | the ou | atput. | | | - | |
| | 1. Predict the output for above queries. | | | | | | | | | | |
| | 2. Explain the reason for above output to Sanjeev. | | | | | | | | | | |
| | | | | SE | CTION | I – C | | | | | |
| | This s Marks | | sists of 3 | Question | s (11 | to 13). | . Each | Question C | arries 4 | | |
| 11. | | ching Institu tudents usii | | | | CADEM | Y has | maintained | the record of | of | |
| | ID | NAME | AGE C | ITY | SUB | | FEE | MODE | 7 | | |
| | P1 | SAMEER | | ELHI | ELEC | | 45000 | | 7 | | |
| | P2 | ARYAN | | HOPAL | COM | | 54000 | | 7 | | |
| | P4 | RAM | | HENNAI | COM | | 45000 | OFFLINE | 1 | | |
| | | LATA | | HOPAL | MEC | | 60000 | | 1 | | |
| | P7 | SHIKHA | | NDORE | ELEC | | 34000 | | - | | |
| | | RADHA | | ELHI | AER | | 23000 | | - | | |
| | | ARMAAN | | HOPAL | MEC | | 34000 | OFFLINE | - | | |
| | a) To c orde | er of city. | city, sum | llowing: of fees ob | tained | from | studen | ts city-wise | in decreasin | ġ | |
| | a) To c orde b) To c c) To c sub | lisplay the c er of city. lisplay the n display th jects having | tity, sum node and le sub, av more tha | llowing: of fees ob count of s erage fees an one stu | tained studen from ident) | from studen | studen olled in its subj | | those | g | |
| 12. | a) To c orde b) To c c) To c sub d) To c | lisplay the c er of city. lisplay the n display th jects having lisplay the n has recently | hity, sum node and he sub, ave more tha naximum joined a | llowing: of fees ob count of s erage fees an one stu and minin mobile sh | tained studen from udent) mum f | from the studen for the studen for at main | studen olled in its subj | ts city-wise each mode. ject-wise (for node of clas | those | | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil I stock i | lisplay the c er of city. lisplay the n display th jects having lisplay the n | city, sum node and le sub, ave more the naximum joined a of relation | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM | tained studen from udent) mum f op tha | from the sented of the sented | studen olled in its subj <u>each r</u> ntains t | ts city-wise each mode. ject-wise (for node of clas | those ses. | | |
| 12. | a) To c orde b) To c c) To c sub d) To c | lisplay the over of city. lisplay the m display the m jects having lisplay the m has recently in the form over the form of the form of the form over the for | hity, sum node and he sub, ave more tha naximum joined a | llowing: of fees ob count of s erage fees an one stu and minin mobile sh | tained studen from udent) mum f | from the studen for the studen for at main | studen olled in its subj r each r ntains t | ts city-wise each mode. ject-wise (for node of clas | those ses. | | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil I stock i | lisplay the over of city. lisplay the n display the n jects having lisplay the n has recently in the form over the form of the form over the form over the form of t | city, sum node and le sub, ave more tha naximum joined a of relation M_name | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM | tained studen from ident) mum f op tha aster: QTY | from studen studen ees for at main | studen olled in its subj r each r ntains t te -12 | ts city-wise each mode. ject-wise (for node of clas | those ses. | | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil I stock i <u>M_ID</u> <u>MB001</u> <u>MB004</u> | lisplay the over of city. lisplay the n display the n jects having lisplay the n has recently n the form over the form over the SAMSUNG NOKIA REDMI | city, sum node and te sub, ave more that naximum joined a of relation M_name GALAXY N1100 NOTE 7 | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM M_Price 5400 1200 13000 | tained studen from ident) mum f op tha aster: QTY 13 NULL 10 | from studen studen cees for at main <u>Mfg_da</u> 2013-02 2007-06 2019-03 | studen olled in its subj e each r ntains t te -12 -24 -20 | ts city-wise each mode. ject-wise (for node of clas | those ses. | | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil I stock i <u>M_ID</u> MB001 MB003 MB004 MB005 | lisplay the over of city. lisplay the method isplay the form of method isplay the form of method isplay the method ispla | city, sum node and le sub, ave more than naximum joined a of relation M_name GALAXY N1100 NOTE 7 XPERIAM | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM M_Price 5400 1200 13000 45000 | tained studen from ident) mum f op tha aster: QTY 13 NULL 10 6 | from studen studen ees for at main Mfg_da 2013-02 2007-06 2019-03 2017-11 | studen olled in its subj r each r ntains t | ts city-wise each mode. ject-wise (for node of clas | those ses. | | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil I stock i <u>M_ID</u> MB001 MB003 MB004 MB005 MB006 | lisplay the over of city. lisplay the method isplay the form of method isplay the form of method isplay the method ispla | city, sum node and le sub, ave more tha naximum joined a of relation M_name GALAXY N1100 NOTE 7 XPERIAM SELFIEEX | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM 5400 1200 13000 45000 17000 | tained studen from ident) mum f op tha aster: QTY 13 NULL 10 6 7 | from studen studen ees for at main 2013-02 2007-06 2019-03 2017-11 2010-08 | studen olled in its subj r each r ntains t te -12 -24 -20 -10 -01 | ts city-wise each mode. ject-wise (for node of clas | those ses. | | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil I stock i <u>M_ID</u> MB001 MB003 MB004 MB005 | lisplay the over of city. lisplay the method of the method | city, sum node and le sub, ave more than naximum joined a of relation M_name GALAXY N1100 NOTE 7 XPERIAM | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM M_Price 5400 1200 13000 45000 | tained studen from ident) mum f op tha aster: QTY 13 NULL 10 6 | from studen studen ees for at main Mfg_da 2013-02 2007-06 2019-03 2017-11 | studen olled in its subj r each r ntains t -12 -24 -20 -10 -01 -21 | ts city-wise each mode. ject-wise (for node of clas | those ses. | | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil I stock i <u>M_ID</u> MB001 MB003 MB004 MB005 MB006 MB007 | lisplay the over of city. lisplay the n display the n display the n display the n has recently n the form over the form over the form over the form SAMSUNG NOKIA REDMI SONY OPPO REDMI ONE PLUS | city, sum node and le sub, ave more tha naximum joined a of relation M_name GALAXY N1100 NOTE 7 XPERIAM SELFIEEX NOTE11 | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM M_Price 5400 1200 13000 45000 17000 25000 30000 | tained studen from adent) mum f op tha aster: QTY 13 NULL 10 6 7 15 | from the form the form the form the form the form the formation of the for | studen olled in its subj r each r ntains t re -12 -24 -20 -10 -01 -21 -15 | ts city-wise each mode. ject-wise (for node of clas | those ses. | | |
| 12. | a) To a order b) To a order b) To a order c) To a order d) To a order <lid) a="" li="" order<="" to=""> d) To a order d) To a order<</lid)> | lisplay the over of city. lisplay the non- display the non-display the non- display the non-display the non-display the non- display the non-display the non-displa | city, sum node and le sub, ave more that naximum joined a of relation M_name GALAXY N1100 NOTE 7 XPERIAM SELFIEEX NOTE11 NORD ONEPLUS 9 e SQL state mobile co | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM M_Price 5400 1200 13000 45000 17000 25000 30000 35000 tements f mpany, m | tained studen from udent) mum f op tha aster: QTY 13 NULL 10 6 7 15 12 11 11 or the nobile | from studen studen ees for at main 2013-02 2007-06 2019-03 2017-11 2010-08 2021-11 2020-02 2021-12 querie name a | studen olled in its subj r each r ntains t te -12 -24 -20 -10 -01 -21 -15 -25 s below and pri | ts city-wise each mode. ject-wise (for node of clas the database the database | those ses. of all mobil | e [| |
| 12. | a) To a order b) To a order b) To a order c) To a order d) To a order <lid) a="" li="" order<="" to=""> d) To a order d) To a order<</lid)> | display the over of city. lisplay the non- display the non- display the non- lisplay the non- lisplay the non- nono- non- no | city, sum node and le sub, ave more that naximum joined a of relation M_name GALAXY N1100 NOTE 7 XPERIAM SELFIEEX NOTE11 NORD ONEPLUS 9 e SQL sta mobile co e mobile | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM M_Price 5400 1200 13000 45000 17000 25000 30000 35000 tements f mpany, m | tained studen from ident) mum f op tha aster: QTY 13 NULL 10 6 7 15 12 11 11 or the nobile | from studen ts enro studen ees for at main <u>Mfg_da</u> 2013-02 2007-06 2019-03 2017-11 2010-08 2021-11 2020-02 2021-12 querie name a antity | studen olled in its subj e each r ntains f retains f -12 -24 -20 -10 -01 -21 -15 -25 s below and pri of all | ts city-wise each mode. ject-wise (for node of clas the database the database v: ice in descer mobiles ex | those ses. of all mobil of all mobil of all mobil | e [of 3' | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil H stock i M_ID MB001 MB001 MB003 MB004 MB005 MB006 MB007 MB008 MB010 Help h (a) To thei (b) To (c) To | lisplay the over of city. lisplay the non- display the non- display the non- lisplay the non- lisplay the non- non- non- non- mas recently non- no- no | city, sum node and le sub, ave more that naximum joined a of relation M_name GALAXY N1100 NOTE 7 XPERIAM SELFIEEX NOTE11 NORD ONEPLUS 9 e SQL sta mobile co e mobile | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM M_Price 5400 1200 13000 45000 17000 25000 30000 35000 tements f mpany, m name an details ma | tained studen from adent) mum f op tha aster: QTY 13 NULL 10 6 7 15 12 11 0 6 7 15 12 11 | from studen ts enro studen ees for at main 2013-02 2007-06 2019-03 2017-11 2010-08 2021-11 2020-02 2021-12 querie name a antity etured | studen olled in its subj e each r ntains f retains f -12 -24 -20 -10 -01 -21 -15 -25 s below and pri of all | ts city-wise each mode. ject-wise (for node of clas the database the database v: ice in descer mobiles ex | those ses. of all mobil | e I of 3' | |
| 12. | a) To c orde b) To c c) To c sub d) To c Sahil H stock i M_ID MB001 MB001 MB003 MB004 MB005 MB006 MB007 MB008 MB010 Help h (a) To thei (b) To (c) To | display the over of city. lisplay the non- display the non- display the non- lisplay the non- lisplay the non- nono- non- no | city, sum node and le sub, ave more that naximum joined a of relation M_name GALAXY N1100 NOTE 7 XPERIAM SELFIEEX NOTE11 NORD ONEPLUS 9 e SQL sta mobile co e mobile | llowing: of fees ob count of s erage fees an one stu and minin mobile sh MobileM M_Price 5400 1200 13000 45000 17000 25000 30000 35000 tements f mpany, m name an details ma | tained studen from adent) mum f op tha aster: QTY 13 NULL 10 6 7 15 12 11 0 6 7 15 12 11 | from studen ts enro studen ees for at main 2013-02 2007-06 2019-03 2017-11 2010-08 2021-11 2020-02 2021-12 querie name a antity ctured t null. | studen olled in its subj e each r ntains f retains f -12 -24 -20 -10 -01 -21 -15 -25 s below and pri of all | ts city-wise each mode. ject-wise (for node of clas the database the database v: ice in descer mobiles ex | those ses. of all mobil of all mobil of all mobil | e I of 3' | |

Page.3

| | (a) Salaat M. Company, avg(atr) From Mabile Master Course by M. Courses |
|-----|--|
| | (a) Select M_Company, avg(qty) From MobileMaster Group by M_Company |
| | (b) Select substr(M_Company,1,3) ,M_Price From MobileMaster Where Qty>10; |
| | (c) Select M_Name ,M_Price*.01 as discount From MobileMaster Where M_Price |
| | between 25000 and 35000; |
| | (d) select count(*), count(qty), max(Mfg_date) From MobileMaster; |
| 13. | Malviya Institute of Learning is planning to set up its center in Amritsar with four specialized blocks for Medicine, Management, Law courses along with an Admission block in separate buildings. The physical distances between these blocks and the number of computers to be installed in these blocks are given below. You as a network expert have to answer the queries raised by their board of Directors as given in (i) to (iv). Shortest distances between various locations in meters: |
| | Admin Block to Management 60 |
| | Block Number of Computers installed at various locations are as follows: Admin Block 150 |
| | Admin Block to Medicine Block 40 Admin Block to Lew Block 60 |
| | Admin Block to Law Block 60 Management Block to Medicine 50 |
| | Block Block 50 |
| | Management Block to Law 11 Block 0 |
| | Law Block to Medicine Block 40 |
| | (i) Suggest the most suitable location to install the main server of this institution to get efficient connectivity. (ii) Suggest by drawing the best cable layout for effective network connectivity of the blocks having server with all the other blocks. (iii) (a) Suggest the devices to be installed in each of these buildings for connecting computers installed within the building out of the following: Modem Switch Gateway Router |
| | (b) Suggest the most suitable wired medium for efficiently connecting each computer installed in every building out of the following network cables: Coaxial Cable • Ethernet Cable • Single Pair • Telephone Cable |
| | (iv) Mention any economic way to provide internet accessibility to all blocks. |

| | | | SAMPLE PAPER - 2 | | |
|----|-----------|--|---|---------------------|----------------|
| | | | INFORMATICS PRACTICE | S | |
| | | Class: XII CBSE | | Mars Mardan 25 | |
| | | Time: 2:00 Hrs | TERM - II | Max .Marks: 35 | |
| | l Instruc | | | | |
| | - | | nto 3 Sections - A, B, and C. | | |
| | | | ns (1-7). Each Question Carries 2 ns (8-10). Each Question Carries | | |
| | | - | ns (11-13). Each Question Carrie | | |
| | | - | tion numbers 1, 3, 8 and 12. | | |
| | | | SECTION – A | | |
| | | This sectio | n consists of 7 Questions (1 to 7 | 7). | |
| 1. | | 0 | required to demonstrate the feat the layout design and mention an | | [2 |
| | | | (OR) | | |
| | - | interested in knowing r by mentioning two p | g the difference between the term points. | is Hub and Switch. | |
| 2. | i. Expar | nd : VOIP | | | [2 |
| | | n receive a signal and r a longer distance. W | l retransmit at a higher level so [.] 'ho am I? | that the signal can | |
| 3. | Predict | the output of the follo | wing queries: | | [2 |
| | i. SELE | CT POWER (2,-3); | ii. SELECT ROUND (23483.45,- | 2); | |
| | Briefly e | explain the purpose of | f the following SQL functions: | | |
| | - | ER() ii. ROUND(| - · | | |
| 4. | What is | the importance of UR | RL in networking? State an exampl | le of a URL. | [2 |
| 5. | Help Re | shma in predicting th | e output of the following queries: | | [2 |
| | (i)SELE | CT SUBSTR('EASYCA | LCULATION',5,11); | | |
| | | ECT INSTR('Lata Man | | | |
| 6. | , , | • | EMPLOYEE. It has the | | [2 |
| 0. | - | C | Livit DOTEL. It has the | | L - |
| | | g columns: | | | |
| | | | le He wants to display maximum | salary Department | |
| | wise. He | e wrote the following o | command: | | |
| | SELEC' | Г Deptcode, Max(Sala | ary) FROM EMPLOYEE; | | |
| | But he | did not get the desi | red result. Rewrite the above qu | ery with necessary | |
| | change | to help him get the de | esired output. Justify your answer | | |

| 7. | Consider following STUDENT table populated with following data: | [2 | | | | | |
|----|--|----|--|--|--|--|--|
| | mysql> SELECT * FROM STUDENT; | | | | | | |
| | rollno name class dob gender city marks | | | | | | |
| | ++ 2 Saurabh XII 1993-05-07 M Mumbai 482 | | | | | | |
| | 3 Sanal XI 1994-05-06 M Delhi 400 4 Trisla XII 1995-08-08 F Mumbai 470 | | | | | | |
| | 5 Store XII 1995-10-08 M Delhi 389 6 Marisla XI 1994-12-12 M Delhi 250 | | | | | | |
| | 7 Neha X 1995-12-08 F Moscow 377 8 Nishant X 1995-06-12 M Moscow 489 | | | | | | |
| | Answer the following questions: | | | | | | |
| | i. Display the average marks of the entire dataset. | | | | | | |
| | ii. Display the total number of records in the student table. | | | | | | |
| | (OR) | | | | | | |
| | Consider the above table and predict the output of the | | | | | | |
| | following statements: | | | | | | |
| | i. SELECT SUM(marks) FROM STUDENT WHERE class="XII"; | | | | | | |
| | ii. SELECT class,COUNT(*) FROM STUDENT GROUP BY class; | | | | | | |
| | SECTION – B This section consists of 2 Questions (8 to 10) Each Corrigo 2 Mortes | | | | | | |
| 8. | This section consists of 3 Questions (8 to 10). Each Carries 3 Marks.Predict the output of the following queries: | [| | | | | |
| | i. SELECT MONTHNAME("2022-01-27"); | L | | | | | |
| | ii.SELECT INSTR("Take work as a game and enjoy it", "game"); | | | | | | |
| | iii.SELECT RIGHT("Storms hit your weakness, but unlocks your true strength",8); | | | | | | |
| | (OR) | | | | | | |
| | Consider following VEHICLE table populated with following data: | | | | | | |
| | <pre>mysql> SELECT * FROM VEHICLE;</pre> | | | | | | |
| | vcode vehicletype perkm TOTCOST | | | | | | |
| | ++ V01 V0LV0 BUS 150 168.00 | | | | | | |
| | V02 AC DELUXE BUS 125 140.00 V03 ORDINARY BUS 80 89.60 | | | | | | |
| | V05 SUV 30 33.60 | | | | | | |
| | V04 CAR 18 20.16 | | | | | | |
| | V06 CAR 19 35.00 | | | | | | |
| | V06 CAR 19 35.00 V07 V0LV0 BUS 250 298.00 | | | | | | |
| | V06 CAR 19 35.00 | | | | | | |
| | V06 CAR 19 35.00 V07 VOLVO BUS 250 298.00 ++ | | | | | | |
| | 1 V06 CAR 19 35.00 1 V07 VOLVO BUS 250 298.00 ++ Answer the following questions: | | | | | | |
| | I V06 I CAR I 19 35.00 I I V07 VOLVO BUS I 250 298.00 I ++ Answer the following questions: I I Both the following statements are giving two different outputs , what could be | | | | | | |
| | v06 CAR 19 35.00 v07 v0Lv0 BUS 250 298.00 ++ Answer the following questions: i. Both the following statements are giving two different outputs , what could be the reason: | | | | | | |
| | <pre>i vo6 CAR 19 35.00 vo7 voLvo BUS 250 298.00 ++ Answer the following questions: i. Both the following statements are giving two different outputs , what could be the reason: mysql> select * from vehicle where perkm > 50 and perkm <100; /* Statement1 */</pre> | | | | | | |
| | <pre>i vo6 CAR 19 35.00 vo7 voLvo BUS 250 298.00 ++ Answer the following questions: i. Both the following statements are giving two different outputs , what could be the reason: mysql> select * from vehicle where perkm > 50 and perkm <100; /* Statement1 */ mysql> select * from vehicle where perkm > 50 or perkm <100; /* Statement2 */</pre> | | | | | | |

| | 0 | Q | f | | 1 f. 11 . | : 6 | | [0] |
|---|-----|---|---|---|---|---|---|-----|
| | 9. | | | | | wing function | ns: | [3] |
| | | i. DAY(|) and D | AYNAME(|) | | | |
| | | ii.MON | TH() an | d MONTH | NAME() | | | |
| | | iii. INS' | TR() an | d SUBSTR | 20 | | | |
| | | | | | 0 | each and ius | stify using an example for each. | |
| - | 10. | | | | | | Group by" and "Order by" clauses in | [3] |
| | 10. | | | • | - | | example highlighting the difference | |
| | | | | | | ustification. | example inginighting the universitie | |
| - | | | | | <u>11000.010 j</u> | SECTION | - C | |
| | | This se | otion | oonsists (| A C C C C C C C C C C | | to 13). Each Question Carries 4 | |
| | | Marks | | | n 5 Qu | | to 13). Each Question Carries 4 | |
| Ī | 11. | | er follo | wing PRO | DUCT ta | able populate | ed with following data: | [4] |
| | | + | | +- | | | + | |
| | | _ | PNAME | - | | MANUFACTURER | 1 | |
| | | + | - | IG POWDER | | | + | |
| | | P02 | TOOTH | PASTE | | COLGATE | 1 | |
| | | P03 | SOAP | i | 25 | LUX | 1 | |
| | | | | PASTE | | PEPSODANT | 1 | |
| | | P05 P06 | SOAP | ا ۱ مر | | DOVE | 1 | |
| | | + | + | ~ ' | 245 | | + | |
| | | i. 1 | Display | all record | ls of pro | ducts excep | t Washing Powder. | |
| | | | | | - | - | price lies between 100 and 150 (both | |
| | | | | inclusive). | | | shee hes between 100 and 100 (both | |
| | | | | | | · | | |
| | | | | | _ | — | cts whose UPRICE is greater than 100. | |
| | | | | | | | easing order. | |
| | | iv. I | Display | the numb | per of m | anufactures | without duplication. | |
| | 12. | Mr. Su | bash , a | an IT Man | lager of | "GEM Ltd." | has created the following table to store | [4] |
| | | the rec | ords of | employee | s: | | | |
| | | Table: Em | пр | | | | | |
| | | Eid | EName | Dementant | | | _ | |
| | | | LIVAILLE | Department | DOB | DOJ | | |
| | | Star1 | lvan | Sales | 1994-08-2 | 28 2020-02-14 | | |
| | | Star2 | lvan Melinda | Sales IT | 1994-08-2 1997-10-2 | 28 2020-02-14 15 2021-11-19 | | |
| | | Star2 Star3 | lvan Melinda Raj | Sales IT Accounts | 1994-08-2 1997-10-2 1998-10-0 | 28 2020-02-14 15 2021-11-19 02 2019-04-02 | | |
| | | Star2 Star3 Star4 | Ivan Melinda Raj Michael | Sales IT Accounts Sales | 1994-08-2 1997-10-2 1998-10-0 2000-02-2 | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 | | |
| | | Star2 Star3 Star4 Star5 | lvan Melinda Raj Michael Sajal | Sales IT Accounts Sales IT | 1994-08-2 1997-10-2 1998-10-0 2000-02-2 2001-12-0 | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 | | |
| | | Star2 Star3 Star4 | Ivan Melinda Raj Michael | Sales IT Accounts Sales | 1994-08-2 1997-10-2 1998-10-0 2000-02-2 | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 | | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 | Ivan Melinda Raj Michael Sajal John Julia | Sales IT Accounts Sales IT Accounts Sales | 1994-08-2 1997-10-3 1998-10-0 2000-02-3 2001-12-0 1995-01-0 1985-11-3 | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 | | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 | Ivan Melinda Raj Michael Sajal John Julia | Sales IT Accounts Sales IT Accounts | 1994-08-2 1997-10-3 1998-10-0 2000-02-3 2001-12-0 1995-01-0 1985-11-3 | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 | | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S | Ivan Melinda Raj Michael Sajal John Julia SQL sta | Sales IT Accounts Sales IT Accounts Sales tements for | 1994-08- 1997-10- 1998-10-0 2000-02- 2001-12-0 1995-01-0 1985-11- pr the fo | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 | case who work in the Sales dept. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ | Ivan Melinda Raj Michael Sajal John Julia SQL stat ay the | Sales IT Accounts Sales IT Accounts Sales tements for names of o | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12-(1995-01-(1985-11- or the for employe | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 11owing: ees in upperce | - | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ | Ivan Melinda Raj Michael Sajal John Julia SQL stat ay the | Sales IT Accounts Sales IT Accounts Sales tements for names of o | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12-(1995-01-(1985-11- or the for employe | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 11owing: ees in upperce | case who work in the Sales dept. d in October. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the | Sales IT Accounts Sales IT Accounts Sales tements for names of e | 1994-08- 1997-10- 1998-10-0 2000-02- 2001-12-0 1995-01-0 1985-11- or the for employee employee | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in uppercommender ees who joine | - | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ iii. Disp | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the play the | Sales IT Accounts Sales IT Accounts Sales tements for names of e name of e | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12- 1995-01-(1995-01-(1985-11- or the for employee employee al occur | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in upperco ees who joine rence of "a" i | d in October. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ iii. Disp | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the play the | Sales IT Accounts Sales IT Accounts Sales tements for names of e name of e | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12- 1995-01-(1995-01-(1985-11- or the for employee employee al occur | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in upperd ees who joine rence of "a" i aracters from aracters from | d in October. n the name of each employee. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ iii. Disp | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the play the | Sales IT Accounts Sales IT Accounts Sales tements for names of e name of e | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12- 1995-01-(1995-01-(1985-11- or the for employee employee al occur | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in upperco ees who joine rence of "a" i | d in October. n the name of each employee. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ iii. Disp | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the play the | Sales IT Accounts Sales IT Accounts Sales tements for names of e name of e | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12- 1995-01-(1995-01-(1985-11- or the for employee employee al occur | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in upperd ees who joine rence of "a" i aracters from aracters from | d in October. n the name of each employee. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ iii. Disp | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the play the | Sales IT Accounts Sales IT Accounts Sales tements for names of e name of e | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12- 1995-01-(1995-01-(1985-11- or the for employee employee al occur | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in upperd ees who joine rence of "a" i aracters from aracters from | d in October. n the name of each employee. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ iii. Disp | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the play the | Sales IT Accounts Sales IT Accounts Sales tements for names of e name of e | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12- 1995-01-(1995-01-(1985-11- or the for employee employee al occur | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in upperd ees who joine rence of "a" i aracters from aracters from | d in October. n the name of each employee. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ iii. Disp | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the play the | Sales IT Accounts Sales IT Accounts Sales tements for names of e name of e | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12- 1995-01-(1995-01-(1985-11- or the for employee employee al occur | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in upperd ees who joine rence of "a" i aracters from aracters from | d in October. n the name of each employee. | |
| | | Star2 Star3 Star4 Star5 Star6 Star7 Write S i. Displ ii. Displ iii. Disp | Ivan Melinda Raj Michael Sajal John Julia SQL sta ay the lay the play the | Sales IT Accounts Sales IT Accounts Sales tements for names of e name of e | 1994-08- 1997-10- 1998-10-(2000-02- 2001-12- 1995-01-(1995-01-(1985-11- or the for employee employee al occur | 28 2020-02-14 15 2021-11-19 02 2019-04-02 17 2020-05-01 05 2018-06-13 03 2019-07-15 13 2020-08-19 110wing: ees in upperd ees who joine rence of "a" i aracters from aracters from | d in October. n the name of each employee. | |

| | | - | | 1 | | | | | |
|-----|---|------------|--|---|--|--|--|--|--|
| | 11. IS NULL an | d U(zero) |) same? Justify your answer. | 1 | | | | | |
| | iii. Shyam wants to insert "Sharma" in the "LastName" column of the "Emp" table as shown below, but an error is being displayed. Write the correct SQL | | | | | | | | |
| | | | | | | | | | |
| | statement. INSERT INTO Emp ('Sharma') VALUES (Lastname); | | | | | | | | |
| | iv. Write the S | SQL state | ement to round of 67.246 to two decimal places. | | | | | | |
| 13. | RIT Universit | y has to | set up its new campus at Chennai. It has four department | [| | | | | |
| | blocks named | l block A | , B, C and D for different functionalities. The Administrative | 1 | | | | | |
| | Office is curre | ently loca | ated at New Delhi. Distance between various blocks: | | | | | | |
| | BLOCK A | 135 | Block A to Block B - 50 m | 1 | | | | | |
| | BLOCK B | 15 | Block B to Block C - 115 m | 1 | | | | | |
| | BLOCK C | 50 | Block C to Block D -1.5 km | 1 | | | | | |
| | BLOCK D | 20 | Block A to Block D - 270 m | 1 | | | | | |
| | | | Block B to Block D - 225 m | 1 | | | | | |
| | | | Block A to Block C - 1 km | 1 | | | | | |
| | Based on the | above in | formation, answer the following questions. | | | | | | |
| | i. Connect the | e devices | using a suitable topology. | 1 | | | | | |
| | ii .Name the t | olocks wl | here a switch should be installed. | I | | | | | |
| | iii. Name the | block wh | here the server is to be installed. Justify your answer. | 1 | | | | | |
| | iv.What is Block A To | | work type formed (out of LAN, MAN,WAN) between | | | | | | |
| | | | | 1 | | | | | |

| | | | SAMPLE PAPER - 3 | | |
|-------|----------------------------|-------------------------------------|--|---------------------|----|
| | | | INFORMATICS PRACTICI | ES | |
| | Cla | ss: XII CBSE | | | |
| | Tin | ne: 2:00 Hrs | TERM - II | Max .Marks: 35 | |
| enera | l Instruction | s: | | 1 | |
| •] | The question j | paper is divided i | into 3 Sections - A, B, and C. | | |
| • 5 | Section A cons | sists of 7 Questic | ons (1-7). Each Question Carries 2 | Marks. | |
| • \$ | Section B con | sists of 3 Questic | ons (8-10). Each Question Carries | 3 Marks. | |
| | | - | ons (11-13). Each Question Carries | s 4 Marks. | |
| • I | internal Choic | es given for Que | stion numbers 1, 3, 8 and 12. | | |
| | | | SECTION – A | | |
| | | | on consists of 7 Questions (1 to 7 | | |
| 1. | | | vice that should regenerate the sig comes too weak or corrupted. | nal over the same | [2 |
| | | | e to connect the different networks models so that the two networks | 0 | |
| | | | (OR) | | |
| | rest of the network top | network and it | ology, one malfunctioning node do is easy to add and remove nodes gth required is less but if the main the break down". | s". B Say, "In this | |
| 2. | (i) | | | | [2 |
| | I : | | | | |
| | | a technology tha met connection. | t allow you to make voice calls us | sing a broad band | |
| | regu | U | regular phone number, the sign nal before it call directly from a com | | |
| | | | mail Sever name. | | |
| 3. | | output of the follo | | | [2 |
| | (i) Select rou | und(15.789); | (ii) Select mod(15,3); | | |
| | | | (OR) | | |
| | Briefly expla | in the purpose c | of the following SQL functions: | | |
| | (i) power() | (ii) instr() | | | |
| 4. | - | | just started understanding the bas | | [2 |
| | | et'. Help him in u | bit confused in between the terms inderstanding both the terms with t | | |
| 5. | Help Reshm | a in predicting th | he output of the following queries: | | [2 |
| | (i) select rou | md(8.72.3) | (ii) select round(9.8); | | |

| 6. | Rohai | n, is a stu | ident of cla | ass 12 lea | rning N | IySQL, | he wa | ants to | remo | ve lead | ling and | |
|----|---|--|---|--|--|--|--|-----------------------------|-----------------------------------|---|----------------------------------|---|
| | traini | ng space | es from | a charac | eter ex | pressio | on X | , whe | re X | = 'LE | ARNING | r |
| | ###M | YSOL#### | #' (#denote | s a blank | space) | and al | so giv | e the c | utnut | of X ł | eln him | |
| | | - | | o a siaim | opueej | und un | 50 81 | | utput | . 01 21 1 | | |
| | with a | an exampl | e. | | | | | | | | | |
| 7. | Mr. R | ohan, a H | R Manager | r in a Veda | anta Ho | spital | nas cr | eated | he fol | lowing | table to |) |
| | store | the record | ls of Docto | r: | | | | | | | | |
| | Table: | | | | | | | | | | | |
| | I I D | DOCName | Department | DOJ | Gender | Salary | | | | | | |
| | | Amit Kumar | Orthopedics | 1993-02-12 | М | 35000 | | | | | | |
| | 2 / | Anita Hans | Pediatrics | 1998-10-16 | F | 30000 | | | | | | |
| | | Sunita Maini | Gynecology | 1991-06-23 | F | 40000 | | | | | | |
| | | Joe Thomas Gurpreet Kaur | Surgery Pediatrics | 1994-10-20 1999-11-24 | M F | 55000 52000 | | | | | | |
| | | Anandini | Oncology | 1999-11-24 | F | 31000 | | | | | | |
| | | Burman | | | | | | | | | | |
| | | Siddharth | Surgery | 1995-09-06 | М | 47000 | | | | | | |
| | | Dang Rama | Oncology | 2000-06-27 | F | 54500 | | | | | | |
| | | Mukherjee | 2 | 2000 00-27 | | 2.230 | | | | | | |
| | He ha | as written | following q | ueries: | | | | | | | | |
| | (i) sele | ect SUM(S | Salary) from | n Doctor w | vhere D | epartm | ent =' | Surger | y'; | | | |
| | (ii) sel | lect Depar | tment, Cou | unt(*) fron | n Docto | r Grou | p By I | Departi | nent; | | | |
| | (ii) select Department, Count(*) from Doctor Group By Department;Predict the output. | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | (OR) | | | | | | | | | | | |
| | | l on the t | | above. he | • | • | writir | ig auei | ries fo | r the f | ollowing | ŗ |
| | Based | l on the t | able given | above, he | • | • | writir | ig que | ries fo | r the f | ollowing | 5 |
| | Based task: | | able given | | lp Mr. | , Rohan | | | | | _ | 5 |
| | Based task: (i) To | display th | able given e names a | nd salarie | lp Mr. s of doo | , Rohan ctors in | desce | ending | order | of sala | ries. | |
| | Based task: (i) To (ii) To | display th display t | able given le names a he name o | nd salarie f each de _l | lp Mr. s of doo | , Rohan ctors in | desce | ending | order | of sala | ries. | |
| | Based task: (i) To (ii) To | display th display t | able given e names a | nd salarie f each de _l nent. | lp Mr. s of doo | Rohan ctors in nt along | desce | ending | order | of sala | ries. | |
| | Based task: (i) To (ii) To do | display th display t octors of th | able given le names a he name o nat departr | nd salarie f each dep nent. SH | lp Mr. s of doo partmen | Rohan ctors in nt along | desce g with | ending total s | order salary | of sala being | uries. given to | |
| 8. | Based task: (i) To (ii) To do Th | display th display t octors of th his sectio | able given le names a he name o nat departr n consists | nd salarie f each dep nent. SH s of 3 Que | lp Mr. s of doc partmer CCTION stions | Rohan ctors in nt alon - B (8 to 1 | desce g with | ending total s | order salary | of sala being | uries. given to | |
| 8. | Based task: (i) To (ii) To do Th Predic | display th display t octors of th his sectio ct the outp | able given le names a he name o nat departr n consists put of the f | nd salarie f each dep nent. SI of 3 Que ollowing c | lp Mr. s of doc partmen CCTION stions jueries: | Rohan ctors in nt alon; I - B (8 to 1 | desce g with | ending total s | order salary | of sala being | uries. given to | |
| 8. | Based task: (i) To (ii) To do Th Predic i. sele | display the display the octors of the his sectio oct the outp oct instr('In | able given le names au he name o nat departr n consists put of the f nformatics | nd salarie f each dep nent. SE of 3 Que ollowing c Practices(| lp Mr. s of doc partmer CCTION stions Jueries: a2022', | Rohan ctors in nt alon; [- B (8 to 1 ,'@'); | desce g with | ending total s | order salary | of sala being | uries. given to | |
| 8. | Based task: (i) To (ii) To do Th Predic i. sele ii. sele | display the display the ectors of the his sectio ect the outp ect instr('In ect mid('In | able given te names au he name o nat departr n consists put of the f nformatics nformatics | nd salarie f each dep nent. SI off 3 Que ollowing c Practices(Practices(| lp Mr. s of doc partmen CCTION stions Jueries: @2022', @2022', | Rohan ctors in nt alon; (- B (8 to 1 ,'@'); 6,5); | desce g with | ending total s | order salary | of sala being | uries. given to | |
| 8. | Based task: (i) To (ii) To do Th Predic i. sele ii. sele | display the display the ectors of the his sectio ect the outp ect instr('In ect mid('In | able given le names au he name o nat departr n consists put of the f nformatics | nd salarie f each dep nent. SE of 3 Que ollowing o Practices(Practices(Practices(| Ip Mr. s of doc partmen CCTION stions Jueries: @2022', @2022', @2022' | Rohan ctors in nt alon; (- B (8 to 1 ,'@'); 6,5); | desce g with | ending total s | order salary | of sala being | uries. given to | |
| 8. | Based task: (i) To (ii) To do Th Predic i. sele ii. sele iii. sele | display the display the ectors of the nis section ect the outp ect instr('In ect mid('In lect left(' In | able given he names at he name o nat departr n consists put of the f nformatics nformatics nformatics | nd salarie f each dep nent. SI of 3 Que ollowing c Practices(Practices(Practices(OR | lp Mr. s of doc partmen CCTION stions [ueries: @2022', @2022', @2022' | Rohan ctors in nt alon; I – B (8 to 1 ,(@'); 6,5); ,6); | desce g with | ending total s | order salary rries : | of sala being 3 Mari | uries. given to xs. | |
| 8. | Based task: (i) To (ii) To do Th Predic i. sele ii. sele iii. sele Ms.Ar | display the display the octors of the his sectio of the outp oct the outp oct instr('In ect mid('In lect left(' In hjali is w | able given te names au he name o nat departr n consists put of the f nformatics nformatics | nd salarie f each dep nent. SI of 3 Que ollowing c Practices(Practices(Practices(OR | lp Mr. s of doc partmen CCTION stions [ueries: @2022', @2022', @2022' | Rohan ctors in nt alon; I – B (8 to 1 ,(@'); 6,5); ,6); | desce g with | ending total s | order salary rries : | of sala being 3 Mari | uries. given to xs. | |
| 8. | Based task: (i) To (ii) To do Th Predic i. sele ii. sele iii. sele iii. sele | display the display the octors of the nis section of the outpact the outpact for the outpact instr('In ect mid('In lect left(' In hjali is wa ture: | able given the names at the name of nat department n consists put of the f nformatics nformatics nformatics | nd salarie f each dep nent. SE of 3 Que ollowing c Practices(Practices(Practices(n a MySC | Ip Mr. s of doc partmen CCTION stions Jueries: @2022', @2022', @2022' QL tab | Rohan ctors in nt alon; I – B (8 to 1 ,'@'); 6,5); ,6); le nan | desce g with 0). Ea ned 'H | ending total s ach Ca | order salary rries : | of sala being 3 Mari | uries. given to xs. | |
| 8. | Based task: (i) To (ii) To do Th Predic i. sele ii. sele iii. sele Ms.Ar | display the odisplay the octors of the nis section of the outpact the outpact of the outpact instr('In ect mid('In lect left(' In njali is wature: | able given he names at he name o nat departr n consists put of the f nformatics nformatics nformatics | nd salarie f each dep nent. SI of 3 Que ollowing c Practices(Practices(Practices(OR | Ip Mr. s of doc partmen CCTION stions Jueries: @2022', @2022', @2022' QL tab | Rohan ctors in nt alon; I – B (8 to 1 ,(@'); 6,5); ,6); | desce g with 0). Ea ned 'H | ending total s ach Ca | order salary rries : | of sala being 3 Mari | uries. given to xs. | |
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| | Ritu is v | working | with fu | inctions of | MySQL | . Expl | ain her iol | owing: | [| |
|-----|--|---|---|--|---|--|---|--|---|--|
| | i. To dis | splay the | name | of the mor | nth of th | le curi | ent date. | | | |
| | ii. To re | move spa | aces fr | om beginn | ing and | end o | f the string | g " Panaroma " | | |
| | | - | | 0 | 0 | | - | mbers n1 and n2. | | |
| 10 | | - | | | | | | | - | |
| 10. | what a | are the a | aggrega | ate functio | on SQL | , Expl | lain 2 agg | regate function with an |] | |
| | example | e? | | | | | | | | |
| | | | | | SECT | ION – | С | | | |
| | This se | ction co | nsists | of 3 Ques | stions (1 | 11 to | 13). Each | Question Carries 4 | | |
| | Marks | | | - | · | | · | - | | |
| 11. | Conside | er the tat | ole FAI | NS. | | | | | | |
| | | | | TABLE : | FANS | | | | | |
| | FAN | ID FA | N_NA | FAN_CIT | FAN_ | DOB | FAN_MO | | | |
| | | | ME | Y | | | DE | | | |
| | F00 | | SHANT | MUMBA | | 10-02 | MAIL | 4 | | |
| | F00 | | RIYA | MUMBA | | -12-12 | LETTER | 4 | | |
| | F00. | | NIKA | DELHI | | 06-30 | BLOG | - | | |
| | F004 | | UDRA IIARA | AJMER KOLKAT | | -08-22 11-01 | MAIL BLOG | - | | |
| | 100 | | | A | | | blog | | | |
| | | | • • | - | • | ,• | | <u></u> | | |
| | write M | IYSQL qu | leries i | for the follo | owing qu | lestior | 18. | | | |
| | (a) To d | isplay th | e detai | ils of fans i | in desce | nding | order of th | eir DOB. | | |
| | (b) To d | (b) To display the details of FANS who does not belong to AJMER. | | | | | | | | |
| | | | | | | | | | | |
| | . , | | | | | | U | | | |
| | (c) To co | ount the | total r | number of t | fans of e | each fa | U | | | |
| | (c) To co | ount the | total r | | fans of e | each fa | U | | | |
| 12. | (c) To co (d) To d | ount the isplay th | total n e DOB | number of 1 3 of the you | fans of e ingest fa | each fa an. | U | | | |
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13. Bhartiya Connectivity Association is planning to spread their offices in four major [4] cities of India to provide regional IT infrastructure support in the field of education and culture. The company has planned to setup their head office in New Delhi in three locations and have named their New Delhi offices as Front office, Back Office and Work Office. The company has three regional offices as three major cities of India. A rough layout of the same is as follows: INDIA Approximate distance between these offices as per network survey team is as follow : Place From Place To Distance Back Office Front Office 10 m Back Office Work Office 70m 1291m Back Office East Office Back Office West Office 790m Back Office South Office 1952m In continuation of the above, the company experts have planned to install the following number of computers in each of their offices. Back Office 10 Front Office 20 0 East Office Work Office 50 50 West Office South Office 50 50 (i) Suggest the network type (out of LAN, MAN, WAN) for connecting each of the following set of the their offices. (a) Back office and work office (b) Back office and south office (ii) Which device will you suggest to be procured by the company for connecting all the computers with each of their offices out of the following devices? (b) Modem (c) Telephone south office, East Office and West (a) Switch/Hub Office located in New Delhi (iii) Suggest the cable/wiring layout for connecting the compnay's local offices located in New Delhi. Also, suggest an effective method for connecting the company's regional office with offices located in New Delhi.

| | | SAMPLE PAPER - 4 | |
|-------|---------------------------------------|--|------------------------|
| | | INFORMATICS PRACTIO | CES |
| | Class: XII CBSE | | |
| | Time: 2:00 Hrs | TERM - II | Max .Marks: 35 |
| Gener | al Instructions: | - · | |
| | | into 3 Sections - A, B, and C. | |
| | - | ions (1-7). Each Question Carries | |
| | - | ions (8-10). Each Question Carri | |
| | - | ions (11-13). Each Question Car estion numbers 1, 3, 8 and 12. | nes 4 marks. |
| • 1 | internal choices given for Qu | SECTION – A | |
| | This sect | ion consists of 7 Questions (1 to | o 7). |
| 1. | Mr. Ramesh created a table | e CLIENT with 2 rows and 4 colum | nns. He added 2 more |
| | rows to it, and deleted on | e column. What is the Cardinali | ity and Degree of the |
| | Table CLIENT? Also write the | he definition of cardinality and de | gree. |
| 2. | | ble EMPLOYEE. It has the followin | • |
| | Wants to display maximum | a salary Department wise. He wrot | te the following |
| | command: Code, Name, Sa | alary, Dept code | |
| | (a) SELECT Dept code, Max | (Salary) FROM EMPLOYEE; | |
| | But he did not get desired i | result. Rewrite the above query wi | ith necessary changes |
| | to help him get the desi | ired output. Also Write what ty | ype of this query is |
| | considered (category of que | ry) | |
| 3. | | TER TABLE command in MySQI Give one example of each one. | L? How it is Different |
| 4. | (a) Sarthak, a student of c | class XII created a table "CLASS" | '. Grade is one of the |
| | columns of this table. | To find the details of students w | ho's Grades have not |
| | been entered, he wrote | e the following MySQL query, wh | hich did not give the |
| | desired result. Help Sar | thak to run the query by removir | ng the errors from the |
| | query and write the corr | rect query: | |
| | SELECT * FROM CLAS | S WHERE GRADE = "NULL" | |
| | (b) Anurag, a student of cla | ss XI created a table "PLAYER SC | ORE". Current score |
| | is one of the columns of | this table. To find the details of p | players whose current |
| | | ۔ he wrote the following MySQL que | - |
| | | elp Anurag to run the query by re | - |
| | from the query and write | | - |
| | | ER_SCORE WHERE Current_sco | re>"100"; |
| 5. | Nikita has purchased two n | networking devices without going i | into technical |
| | - | switch; please help her to unde | |

| 6. | Network, | | twork, Secu | arity over net | | ed on Geographical Area of twork Media used in network | [2 |
|----|--|--|---|--|---|---|----|
| 7. | (a) | | | | | | [2 |
| | (i) Define | the following | ng Terms : | | | | |
| | Protoc | ol, Browser | , Web Page | , Website (ar | v three) | | |
| | | | - | browsers na | - , | | |
| | | any the pe | pului nos | (OR) | | | |
| | (h) Write | two differen | aaa hatwaa | | Dunomial | Examples with ony two | |
| | | | | | | Examples with any two | |
| | Webs | ite names w | which are pi | roviding dyna | | ent. | |
| | Thia | contian an | naista of 2 | SECTION | | Fach Corriga 2 Martra | |
| 8. | | the following | | | o to 10j | Each Carries 3 Marks. | [: |
| | Table: GA | | 8 | | |] | Ľ |
| | GCODE | GNAME | SIZE | COLOUR | PRICE | | |
| | 111 112 | Tshirt Jeans | XL | Red Blue | 1400.00 1600.00 | | |
| | 113 | Skirt | M | Black | 1100.00 | | |
| | 114 | Jacket | XL | Blue | 4000.00 | | |
| | 115 116 | Trousers LadiesTop | L | Brown Pink | 1500.00 1200.00 | | |
| | | | _ | | 1200.00 | | |
| | Three) (a) SELE | CT Gname, | Size from (| Garment whe | ere SIZE=" | he other method (Any 'XL" or SIZE="L" ; | |
| | Three) (a) SELE (b) SELE (c) SELE (d) SELE | CT Gname, CT Gname, CT SUM(PR CT Gname, | Size from (Price from ICE) / COU Size from (| Garment whe Garment wh JNT(PRICE) F Garment Whe | ere SIZE=" ere Price From Garn ere SIZE N | 'XL" or SIZE="L" ; >=1500 and price <=2000; | |
| 9. | Three) (a) SELE (b) SELE (c) SELE (d) SELE | CT Gname, CT Gname, CT SUM(PR CT Gname, | Size from (Price from ICE) / COU Size from (| Garment whe Garment wh JNT(PRICE) F | ere SIZE=" ere Price From Garn ere SIZE N | 'XL" or SIZE="L" ; >=1500 and price <=2000; ment | [; |
| 9. | Three) (a) SELE (b) SELE (c) SELE (d) SELE Write the | CT Gname, CT Gname, CT SUM(PR <u>CT Gname,</u> Output of | Size from (Price from ICE) / COU Size from (following S | Garment whe Garment wh JNT(PRICE) F Garment Whe | ere SIZE=" lere Price From Garn ere SIZE N ny three) | 'XL" or SIZE="L" ; >=1500 and price <=2000; nent Not IN ("XL", "L") ; | [|
| 9. | Three) (a) SELE (b) SELE (c) SELE (d) SELE Write the (a)SELEO | CT Gname, CT Gname, CT SUM(PR <u>CT Gname,</u> e Output of CT ROUND(2 | Size from (Price from ICE) / COU Size from (following S 2912.564, 2 | Garment whe Garment wh JNT(PRICE) F Garment Wh ql queries (au 2), ROUND(2 | ere SIZE=" lere Price From Garn ere SIZE N ny three) 83.565,2) | 'XL" or SIZE="L" ; >=1500 and price <=2000; nent Not IN ("XL", "L") ; | [; |
| 9. | Three) (a) SELE (b) SELE (c) SELE (d) SELE Write the (a)SELE (b) SELE | CT Gname, CT Gname, CT SUM(PR <u>CT Gname,</u> e Output of CT ROUND(2 | Size from (Price from ICE) / COU Size from (following S 2912.564, 2 formatics", | Garment whe Garment wh JNT(PRICE) F Garment Wh ql queries (an 2), ROUND(2 3, 4), Substr | ere SIZE=" lere Price From Garn ere SIZE N ny three) 83.565,2) | "XL" or SIZE="L" ; >=1500 and price <=2000; nent Not IN ("XL", "L") ; from dual; | [; |
| 9. | Three) (a) SELE (b) SELE (c) SELE (d) SELE (d) SELE (a)SELE (b) SELE (c) SELE | CT Gname, CT Gname, CT SUM(PR CT Gname, CT MID("Inf | Size from (Price from ICE) / COU Size from (following S 2912.564, 2 formatics", H (RTRIM("I | Garment whe Garment wh JNT(PRICE) F Garment Wh ql queries (an 2), ROUND(2 3, 4), Substr | ere SIZE=" from Garn ere SIZE M ny three) 83.565,2) ("Informat | "XL" or SIZE="L" ; >=1500 and price <=2000; nent Not IN ("XL", "L") ; from dual; | [4 |
| 9. | Three) (a) SELE (b) SELE (c) SELE (d) SELE (d) SELE (a)SELE (b) SELE (c) SELE (d)SELE | CT Gname, CT Gname, CT SUM(PR <u>CT Gname,</u> e Output of CT ROUND(CT MID("Inf CT LENGTH CT MONTH(| Size from (Price from ICE) / COU Size from (following S 2912.564, 2 formatics", H (RTRIM("I NOW()), M | Garment whe Garment wh JNT(PRICE) F Garment Wh ql queries (an 2), ROUND(2 3, 4), Substr DELHI "); | ere SIZE=" from Garn ere SIZE M ny three) 83.565,2) ("Informat | "XL" or SIZE="L" ; >=1500 and price <=2000; nent Not IN ("XL", "L") ; from dual; | [3 |
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| | Three) (a) SELE (b) SELE (c) SELE (d) SELE (d) SELE (a) SELE (b) SELE (c) SELE (d) SELE | CT Gname, CT Gname, CT SUM(PR CT Gname, e Output of CT ROUND(2 CT MID("Inf CT LENGTH CT MONTH(ssume toda L Query bas lary 000 000 000 000 000 000 000 000 000 0 | Size from (Price from ICE) / COU Size from (following S 2912.564, 2 formatics", I (RTRIM("I NOW()), M y is 06-fet sed on follo Table : Bank Designation Clerk Clerk Receptionist Manager Manager Receptionist Salary rece mum Salar | Garment whe Garment whe JNT(PRICE) F Garment Whe ql queries (an 2), ROUND(2 3, 4), Substr DELHI "); IonthName(I D-2022 Date Dwing (any the Bankname SBI NULL Axis SBI NULL Axis SBI NULL Axis SBI ived by each y among Cle | ere SIZE=" ere Price = From Garm ere SIZE N ny three) 83.565,2) ("Informat Now()) ; ree) designation rks | <pre>'XL" or SIZE="L"; >=1500 and price <=2000; nent Not IN ("XL", "L"); from dual; tics", 35,2) from Dual;</pre> | |
| | Three) (a) SELE (b) SELE (c) SELE (d) SELE (d) SELE (a) SELE (c) SELE (d) SELE | CT Gname, CT Gname, CT SUM(PR CT Gname, e Output of CT ROUND(2 CT MID("Inf CT LENGTH CT MONTH(ssume toda L Query bas lary 000 000 000 000 000 000 000 000 000 0 | Size from (Price from ICE) / COU Size from (following S 2912.564, 2 formatics", I (RTRIM("I NOW()), M ay is 06-fet sed on follo Table : Bank Designation Clerk Clerk Receptionist Manager Manager Manager Receptionist salary rece mum Salar Number of | Garment whe Garment whe JNT(PRICE) F Garment Whe ql queries (ar 2), ROUND(2 3, 4), Substr DELHI "); IonthName(I D-2022 Date Dwing (any th Bankname SBI NULL Axis SIB Axis SBI NULL Axis SIB Axis SBI ived by each y among Cle | ere SIZE=" from Garm ere SIZE N ny three) 83.565,2) ("Informat Now()) ; ree) designation rks working as | <pre>'XL" or SIZE="L"; >=1500 and price <=2000; nent Not IN ("XL", "L"); from dual; tics", 35,2) from Dual; on. s a clerk</pre> | [3 |
| | Three) (a) SELE (b) SELE (c) SELE (d) SELE (d) SELE (a) SELE (b) SELE (c) SELE (d) SELE | CT Gname, CT Gname, CT SUM(PR CT Gname, e Output of CT ROUND(2 CT MID("Inf CT LENGTH CT MONTH(ssume toda L Query bas lary 000 000 000 000 000 000 000 000 000 0 | Size from (Price from ICE) / COU Size from (following S 2912.564, 2 formatics", I (RTRIM("I NOW()), M ay is 06-fet sed on follo Table : Bank Designation Clerk Clerk Receptionist Manager Ma | Garment whe Garment whe JNT(PRICE) F Garment Whe ql queries (ar 2), ROUND(2 3, 4), Substr DELHI "); IonthName(I D-2022 Date Dwing (any th Bankname SBI NULL Axis SIB Axis SBI NULL Axis SIB Axis SBI ived by each y among Cle | ere SIZE=" from Garm ere SIZE N ny three) 83.565,2) ("Informat Now()) ; ree) designation rks working as | <pre>'XL" or SIZE="L"; >=1500 and price <=2000; nent Not IN ("XL", "L"); from dual; tics", 35,2) from Dual;</pre> | |

Page.2

| | SECTION – C This section consists of 3 Questions (11 to 13). Each Question Carries 4 Marks | | | | | | |
|-----|--|----|--|--|--|--|--|
| 11. | Mr. Som, a HR Manager in a multinational company "Star-X world" has created | [4 | | | | | |
| | the following table to store the records of employees: (solve any four) | | | | | | |
| | Table: Emp1 | | | | | | |
| | Eid EName department DOB DOJ Star1 Ivan Sales 1994-08-28 2020-02-14 | | | | | | |
| | Star2 Melinda IT 1997-10-15 2021-11-19 | | | | | | |
| | Star3 Raj Accounts 1998-10-02 2019-04-02 Star4 Michael Sales 2000-02-17 2020-05-01 | | | | | | |
| | Star4 Michael Sales 2000-02-17 2020-05-01 Star5 Sajal IT 2001-12-05 2018-06-13 | | | | | | |
| | Star6 John Accounts 1995-01-03 2019-07-15 | | | | | | |
| | Star7 Julia Sales 1985-11-13 2020-08-19 | | | | | | |
| | He has written following queries: | | | | | | |
| | Predict the output. | | | | | | |
| | (i) select max(year(DOB)) from emp1;(ii) select ENAME from emp1 where month(DOJ)=11; | | | | | | |
| | (iii) Select Department, count(Department) from emp1 group by department | | | | | | |
| | having department in ("Sales", "IT") | | | | | | |
| | (iv) Select Distinct Designation from emp1. | | | | | | |
| | (v) select Count(Distinct Designation) from emp1; | | | | | | |
| 12. | Reena is working with functions of MySQL. Explain her following: (Any four) | [4 | | | | | |
| | i. What is the purpose of now () and sysdate() function in SQL? | | | | | | |
| | ii. Write one difference between ALL Key word and Distinct key word with example | | | | | | |
| | from Table given in Q NO 11 Department column. | | | | | | |
| | iii. Write the difference between Count(*) and count(Ename) from emp1; | | | | | | |
| | iv. Explain this query with its output: | | | | | | |
| | SELECT INSTR('EXAMS@CBSE.NIC.IN','.'); | | | | | | |
| | v. Write one Difference between DDL and DML query with one example | | | | | | |
| | (OR) | | | | | | |
| | Write SQL query for following based on EMP Table Given at the end of this | | | | | | |
| | question paper (any four) | | | | | | |
| | (a) To Dislay ename, hiredate of employees who are hired in 1981. | | | | | | |
| | (b) To Display Maximum Salary in each department. | | | | | | |
| | (c) To Display Total Salary from Emp Table where total salary is Salary+comm for | | | | | | |
| | all Managers only. | | | | | | |
| | all Managers only. (d) To Display How many Employees are working as SALESMAN in Emp Table | | | | | | |
| | | | | | | | |

| 13. | office setup to Cha have 3 different bl | andigarh. At Chandigar ocks for HR, Accounts a | ed organization which is expanding its h office campus, they are planning to and Logistics related work. Each block hired to be connected in a network for | [4] | | | |
|-----|---|---|---|-----|--|--|--|
| | | | . As a network consultant, you have to | | | | |
| | suggest the best ne | etwork related solutions | for them for issues/problems raised in | | | | |
| | | | between various blocks/locations and | | | | |
| | other given parame | CHANDIGARH Of | fice | | | | |
| | | CHANDIGARH OF | | | | | |
| | Head Office | HR Block | Accounts Block | | | | |
| | | Logist | tics Block | | | | |
| | | | | | | | |
| | Shortest distances be | tween various blocks/location | ons: | | | | |
| | HR Block to Accounts I | Block | 400 Metres | | | | |
| | Accounts Block to Logi | 200 Metres | | | | | |
| | Logistics Block to HR B | lock | 150Metres | | | | |
| | DELHI Head Office to 0 | HANDIGARH Office | 270 Km | | | | |
| | Number of Computers | installed at various blocks a | are as follows: | | | | |
| | HR Block | 70 | | | | | |
| | Account Block | 50 | | | | | |
| | Logistics Block | 40 | | | | | |
| | Solve Any 4 Answers | | | | | | |
| | - | | dia and for the above connections. | | | | |
| | (ii) Suggest the m | ost appropriate block/l | ocation to house the SERVER in the | | | | |
| | CHANDIGARH Office (out of the 3 Blocks) to get the best and effective | | | | | | |
| | connectivity. Justify your answer. | | | | | | |
| | c . | | aw the cable layout (Block to Block) to | | | | |
| | | | n the CHANDIGARH office compound. | | | | |
| | C C | | ement that would provide data security | | | | |
| | . , | twork of CHANDIGARH | - | | | | |
| | | | would it be PAN, WAN, MAN, LAN | | | | |
| | | owing kind of network, V | WOULD IT DE LAIN, WAIN, WAIN, IVIAIN, LAIN | | | | |

| | | SAMPLE PAPER – 5 | | |
|------|--|---|-----------------------------------|---|
| | | INFORMATICS PRACTIC | CES | |
| | Class: XII CBSE | | | |
| | Time: 2:00 Hrs | TERM - II | Max .Marks: 35 | |
| ener | al Instructions: | | | |
| • ′ | The question paper is divided | into 3 Sections - A, B, and C. | | |
| | - | ons (1-7). Each Question Carries | | |
| | - | ons (8-10). Each Question Carrie | | |
| | - | ons (11-13). Each Question Carri | ies 4 Marks. | |
| • | Internal Choices given for Que | estion numbers 1, 3, 8 and 12. SECTION – A | | |
| | This secti | on consists of 7 Questions (1 to | 7). | |
| 1. | Identify domain name and U | | | [|
| | ũ là chí | other.in/home/aboutus.html | | Ľ |
| 2. | Identify the following device | | |] |
| | | nnects several nodes to form a n | etwork and redirects | |
| | the received information t | | | |
| | | rates the received signal and 1 | retronomit it to its | |
| | destination | ates the received signal and r | | |
| | | | | - |
| 3. | Illustrate the layout for com | | | [|
| | | r topology | | |
| 4. | A school with 20 stand-alon | ne computers is considering to net | work them together | [|
| | and adding a server. State t | wo advantages of doing this. | | |
| 5. | Write the name of the funct | ions to perform the following operation | ations: | [|
| | (i) To display the day, from | the date when India got independe | ence. | |
| | (ii) To display the specified given string. | number of characters from a part | icular position of the | |
| 6. | What is the purpose of G ORDER BY clause? | ROUP BY clause in MySql? How | ⁷ is it different from | [|
| 7. | Predict the output of the fol | lowing queries: | | [|
| | (i) select pow(4,4); (ii) se | lect mod(45,6); | | |
| | | (OR) | | |
| | Briefly explain the purpose | | | |
| | Enony onprant the purpose | of the following SQL functions: | | |

| | ጥ1 | his sectio | on cor | nsists of | | FION – 1 ons (8 1 | | Each Carries 3 Marks. | |
|-----|--|---|--|--|--|--|--|---|----|
| 8. | 1 | | | f the follo | | | | | [3 |
| | (i) Se | lect roun | d (23.4 | 4634, 2) | | | | | |
| | (ii) Se | lect subs | tr ("int | formatics | practice | s". 12. 9 | 9) | | |
| | ``` | | • | ormatics | - | | -) | | |
| | | | , 1110 | , maties | practices | , m , (OR) | | | |
| | 0 | 1 | • | | 7 | . , | . 1 | | |
| | | | - | | | re" store | ed in a | column str. What will be the | |
| | outpu | it of the f | ollowi | ng querie | s? | | | | |
| | (i) SE | LECT UP | PER(s | tr); | | | | | |
| | (ii) SE | ELECT su | bstr(s | tr,-9,4); | | | | | |
| | (iii) SI | ELECT R | ight(st | r,4) | | | | | |
| 9. | Name | the SQL | comm | nand use | d for the | followin | ıg: | | [3 |
| | | add new | | | | | 0 | remove a record | • |
| | `` | | | ame of a o | rolumn | | · · / | change the database | |
| | () - \ | J Change | | une or a v | Joronnin | | (1) 10 (| liange ine ualabase | |
| | , , | display 1 | | | | | . , | edit records | |
| 10. | (v) To | 0 | record | S | | | . , | C | [3 |
| 10. | (v) To Differ | display 1 entiate b | records etweer | s n: | | | (vi) To e | edit records | [3 |
| 10. | (v) To Differ | display 1 | records etweer | s n: | (ii) st | atic and | (vi) To e 1 dynan | C | [3 |
| 10. | (v) To Differ (i) We This | display i entiate b bsite and section o | records etweer l webp | s n: page | (ii) st | atic and TION - | (vi) To e 1 dynan - C | edit records | [3 |
| 10. | (v) To Differ (i) We This Mark | display r entiate b bsite and section o s | records etweer l webp consis | s n: page ts of 3 Q | (ii) st SEC Questions | atic and TION - ; (11 to | (vi) To e 1 dynan - C 13). Ea | edit records nic web pages ach Question Carries 4 | |
| | (v) To Differ (i) We This Mark | display i entiate b bsite and section o s SQL con | records etweer l webp consis | s n: page ts of 3 Q | (ii) st SEC Questions | atic and TION - ; (11 to | (vi) To e 1 dynan - C 13). Ea | edit records nic web pages | |
| | (v) To Differ (i) We This Mark Write below | display i entiate b bsite and section o s SQL con | etweer l webp consis | s n: bage ts of 3 Q Is for the Table: Teach | (ii) st SEC Questions following | atic and TION - (11 to queries | (vi) To e 1 dynan - C 13). Ea s based | edit records nic web pages ach Question Carries 4 | - |
| | (v) To Differ (i) We This Mark Write | display i entiate b bsite and section o s SQL con r: Name | etweer l webp consis | s n: bage ts of 3 Q ls for the Table: Teach Department | (ii) st SEC Questions following er Date_of_join | atic and TION - (11 to queries Salary | (vi) To e 1 dynan - C 13). E s based | edit records nic web pages ach Question Carries 4 | [3 |
| | (v) To Differ (i) We This Mark Write below | display i entiate b bsite and section o s SQL con | etweer l webp consis | s n: bage ts of 3 Q Is for the Table: Teach | (ii) st SEC Questions following | atic and TION - (11 to queries | (vi) To e 1 dynan - C 13). Ea s based | edit records nic web pages ach Question Carries 4 | - |
| | (v) To Differ (i) We This Mark Write below | display i entiate b bsite and section o s SQL con r: Name Jugal | etweer l webp consis | s n: bage ts of 3 Q ls for the Table: Teach Department Computer | (ii) st SEC Questions following er Date_of_join 10:01/97 | atic and TION - (11 to g queries Salary 12000 | (vi) To e 1 dynan - C 13). E s based | edit records nic web pages ach Question Carries 4 | - |
| | (v) To Differ (i) We This Mark Write below | display i entiate b bsite and section o s SQL com r: Name Jugal Sharmila | ecords etweer l webp consis nmand Age 34 31 | s age ts of 3 Q ls for the Table: Teach Department Computer History | (ii) st SEC Questions following er Date_of_join 10/01/97 24/03/98 12/12/96 01/07/99 | atic and CTION - 5 (11 to 5 queries 5 salary 12000 20000 30000 40000 | (vi) To e d dynam - C 13). E s based set M F M | edit records nic web pages ach Question Carries 4 | - |
| | (v) To Differ (i) We This Mark Write below | display i entiate b bsite and section o s SQL con c SQL con c SAme Jugal Shamila Sandcep | etweer l webp consis | s age ts of 3 Q s for the Table: Teach Department Computer History Maths History Maths | (ii) st SEC Questions following er <u>Date_of_join</u> 10/01/97 24/03/98 12/12/96 01/07/99 05/09/97 | atic and CTION - 5 (11 to 5 queries 5 salary 12000 20000 30000 40000 25000 | (vi) To e d dynam - C 13). E s based Sex M F M | edit records nic web pages ach Question Carries 4 | - |
| | (v) To Differ (i) We This Mark Write below | display n entiate b bsite and section of s SQL con c: Name Jugal Sharmila Sandcep Sangeta Rakesh Shyam | etweer l webp consis nmand Age 34 31 32 35 42 50 | s age ts of 3 Q s for the Table: Teach Department Computer History Maths History Maths History Maths History | (ii) st SEC Questions following er Date_of_join 10/01/97 24/03/98 12/12/96 01/07/99 05/09/97 27/06/98 | atic and CTION - 5 (11 to 5 queries 5 salary 12000 20000 30000 40000 25000 30000 | (vi) To e d dynam - C 13). E s based Sex M F M F M M M | edit records nic web pages ach Question Carries 4 | - |
| | (v) To Differ (i) We This Mark Write below | display n entiate b bsite and section of SQL con SQL con T: Name Jugal Sharmila Sandeep Sangeeta Rakesh | etweer l webp consis | s age ts of 3 Q s for the Table: Teach Department Computer History Maths History Maths | (ii) st SEC Questions following er <u>Date_of_join</u> 10/01/97 24/03/98 12/12/96 01/07/99 05/09/97 | atic and CTION - 5 (11 to 5 queries 5 salary 12000 20000 30000 40000 25000 | (vi) To e d dynam - C 13). E s based Sex M F M | edit records nic web pages ach Question Carries 4 | - |

Center to center distances between various blocks is as follows:

| Law Block to business Block | 40m |
|---------------------------------------|------|
| Law block to Technology Block | 80m |
| Law Block to HR center | 105m |
| Business Block to technology Block | 30m |
| Business Block to HR Center | 35m |
| Technology block to HR center | 15m |

Number of computers in each of the block is as follows:

| Law Block | 15 |
|------------------|-----|
| Technology Block | 40 |
| HR center | 115 |
| Business Block | 25 |

- (i) Suggest the most suitable place to install the server of this university with the suitable resource
- (ii) Suggest an ideal layout for connecting these blocks for a wired connectivity
- (iii) Which device will u suggest to be placed / installed in each of these blocks to efficiently connect all the computers within these blocks The university is planning to connect its admission office in the closet big city, which is more than 250kms from university?
- (iv) Which type of network out of LAN, WAN & MAN will be formed justify your answer.

| | | SAMPLE PAPER – 6 | |
|-------|---------------------------------|---|----|
| | | INFORMATICS PRACTICES | |
| | Class: XII CBSE | TERM - II Max .Marks: 35 | |
| | Time: 2:00 Hrs | I EKWI - II Max .Marks: 55 | |
| enera | al Instructions: | | |
| •] | The question paper is divided i | into 3 Sections - A, B, and C. | |
| | - | ons (1-7). Each Question Carries 2 Marks. | |
| | - | ons (8-10). Each Question Carries 3 Marks. | |
| | | ons (11-13). Each Question Carries 4 Marks. | |
| • 1 | nternal Choices given for Que | stion numbers 1, 3, 8 and 12. | |
| | | SECTION – A | |
| | | on consists of 7 Questions (1 to 7). | |
| 1. | | uter science student. He knows about browser and it's not very much clear about the term Add-ons and | [2 |
| | _ | Anupam, explain him the difference between Add-ons | |
| | and Plugins. | | |
| | | (OR) | |
| | Aman is a brilliant child of o | class VIII. Due to some unavoidable reason, he missed | |
| | his one computer class in | n which his teacher taught the difference between | |
| | Webpage and Website. As I | his elder brother explain him the difference between | |
| | Webpage and Website. | | |
| 2. | (i) I am a topology in which | all the computers are directly connecting to a single | [|
| | cable called backbone. If t | he backbone cable break the entire network will be | |
| | Down. Name the topology. | | |
| | | | |
| | (ii) What is browser? | |] |
| 3. | Write the output of the follow | wing : | [|
| | (i) SELECT POWER(2,0); | (ii) SELECT ROUND(345.876); | |
| | | (OR) | |
| | Briefly explain the purpose of | of the following SQL functions: | |
| | (i) MOD() (ii) POW() | | |
| 4. | Explain DNS in brief. | | [|
| 5. | Write the output of the follow | wing: | [: |
| | - | ii. SELECT ROUND(123.456,2); | |
| 6. | What is the difference betwe | en 'where' and 'having' clause in MySQL. Explain with | [2 |
| | example. | | ĺ |

| | TA | ABLE: STUD | ENT | | |
|----|--|---|--|--|----|
| | NAME | CLASS | DOB | | |
| | AMAN | 9 | 2001-08-28 | | |
| | SUMIT | 10 | 2000-01-28 | | |
| | NAMAN | 9 | 2001-12-05 | | |
| | RANI | 11 | 1999-09-03 | | |
| | He has writ | ten the follow | ving queries: | | |
| | (i) Select min | (year(DOB)) f | rom Student; | | |
| | (ii) Select * fr | om Student v | where day(DOI | 3) = 28; | |
| | Write the out | put of the ab | ove queries. | | |
| | | | (| OR) | |
| | Write the que | eries for the f | ollowing on th | e basis of above table : STUDENT | |
| | _ | | - | who born in year 2000. | |
| | () 1 | 5 | | 5 | |
| | (ii) Displa | v the detail o | f the students | who born in the month of 'May' | |
| | (ii) Displa | y the detail o | | who born in the month of 'May' | |
| | This sect | ion consists | SECTI of 3 Questio | ON – B ns (8 to 10). Each Carries 3 Marks. | |
| 8. | This sect Write the out | tion consists put of the fol | SECTI of 3 Questio lowing queries | ON – B ns (8 to 10). Each Carries 3 Marks. | [3 |
| 8. | This sect Write the out | ion consists | SECTI of 3 Questio lowing queries | ON – B ns (8 to 10). Each Carries 3 Marks. | [: |
| 8. | This sect Write the out Select length | tion consists put of the fol (trim("Compu | SECTI of 3 Questio lowing queries | ON – B ns (8 to 10). Each Carries 3 Marks. | [: |
| 8. | This sect Write the out Select length Select mid("In | tion consists put of the fol (trim("Compu | SECTI of 3 Questio lowing queries ater")); ractices", 7, 7); | ON – B ns (8 to 10). Each Carries 3 Marks. | [: |
| 8. | This sect Write the out Select length Select mid("In | tion consists put of the fol (trim("Compu nformatics Pr | SECTI of 3 Questio lowing queries ater")); ractices", 7, 7); ience", "e"); | ON – B ns (8 to 10). Each Carries 3 Marks. | [: |
| 8. | This sect Write the out Select length Select mid("In Select instr(" | cion consists Eput of the fol (trim("Compu- nformatics Pr Computer Sc | SECTI of 3 Questio lowing queries iter")); actices", 7, 7); ience", "e"); | ON – B ns (8 to 10). Each Carries 3 Marks. | [3 |
| 8. | This sect Write the out Select length Select mid("In Select instr(" Consider the | tion consists put of the fol (trim("Compu- nformatics Pr Computer Sc table "Book" | SECTI of 3 Questio lowing queries iter")); actices", 7, 7); ience", "e"); | ON – B ns (8 to 10). Each Carries 3 Marks. S: OR) e following fields: | [3 |
| 8. | This sect Write the out Select length Select mid("In Select instr(" Consider the | tion consists put of the fol (trim("Compu- nformatics Pr Computer Sc table "Book" . Bname 3. F | SECTI of 3 Questio lowing queries iter")); actices", 7, 7); ience", "e"); (which has the Price 4. Autho | ON – B ns (8 to 10). Each Carries 3 Marks. S: OR) e following fields: | [3 |
| 8. | This sect Write the out Select length Select mid("In Select instr(" Consider the 1. Bookno 2 Write the que | Eion consists Eput of the fol (trim("Compu- nformatics Pr Computer Sc table "Book" . Bname 3. F eries for the fe | SECTI of 3 Questio lowing queries iter")); actices", 7, 7); ience", "e"); (which has the Price 4. Autho | ON – B ns (8 to 10). Each Carries 3 Marks. S: OR) e following fields: r_name | [3 |
| 8. | This sect Write the out Select length Select mid("In Select instr(" Consider the 1. Bookno 2 Write the que (i) Displa | Cion consists Eput of the fol (trim("Compu- nformatics Pr Computer Sc table "Book" . Bname 3. F eries for the fe | SECTI of 3 Questio lowing queries iter")); actices", 7, 7); ience", "e"); (which has the Price 4. Autho ollowing: the books in | ON – B ns (8 to 10). Each Carries 3 Marks. S: OR) e following fields: r_name | [3 |
| 8. | This sect Write the out Select length Select mid("In Select instr(" Consider the 1. Bookno 2 Write the que (i) Displa (ii) Displa | Eion consists put of the fol (trim("Compu- nformatics Pr Computer Sc table "Book" . Bname 3. F eries for the for an for the for y name of all y last digit of | SECTI of 3 Questio lowing queries iter")); actices", 7, 7); ience", "e"); (which has the Price 4. Autho ollowing: the books in price column | ON – B ns (8 to 10). Each Carries 3 Marks. S: OR) e following fields: r_name upper case. | |
| 8. | This sect Write the out Select length Select mid("In Select instr(" Consider the 1. Bookno 2 Write the que (i) Displa (ii) Displa | Sion consists put of the fol (trim("Compu- nformatics Pr Computer Sc table "Book" . Bname 3. F eries for the for any name of all y last digit of y third, fourth | SECTI of 3 Questio lowing queries iter")); actices", 7, 7); ience", "e"); (which has the Price 4. Autho ollowing: the books in price column | ON – B ns (8 to 10). Each Carries 3 Marks. S: OR) e following fields: r_name upper case. of all the books. aracter from all the author name. | |
| | This sect Write the out Select length Select mid("In Select instr(" Consider the 1. Bookno 2 Write the que (i) Displa (ii) Displa (iii) Displa | tion consists put of the fol (trim("Compu- nformatics Pr Computer Sc table "Book" . Bname 3. F eries for the for the for the for the for the for the for the for the for the for the for the for the for the for the for the | SECTI of 3 Questio lowing queries iter")); actices", 7, 7); ience", "e"); (which has the Price 4. Autho ollowing: the books in price column h and fifth cha | ON – B ns (8 to 10). Each Carries 3 Marks. S: OR) e following fields: r_name upper case. of all the books. aracter from all the author name. | [2 |

| 11 | Marks | following to blo "C | | 1 | oo given h-1 | | |
|-----|-----------------|------------------------------------|-------------|---------------|-----------------|---------|---|
| 11. | Consider the | following table "C | | - | es given below: | - | [|
| | | | | E: CHIPS | I | | |
| | | BRAND_NAME | FLAVOU | UR PRICE | QUNATITY | | |
| | | LAYS | ONION | 10 | 5 | | |
| | | LAYS | TOMATO | 20 | 12 | | |
| | | UNCLE CHIPS | SPICY | 12 | 10 | | |
| | | UNCLE CHIPS | PUDINA | 10 | 12 | | |
| | | HALDIRAM | SALTY | 10 | 20 | | |
| | | HALDIRAM | TOMAT | D 25 | 30 | - | |
| | (i) To disp | play detail of all cl | hips in de | creasing ord | er of quantity. | | |
| | (ii) To disj | play brand name | and it's to | tal quantity | available. | | |
| | (iii) To disj | play brand name | and it's av | verage price. | | | |
| | (iv) To dis | play detail of lowe | st price cl | hips in each | brand. | | |
| 12. | Write the que | eries for the follow | ing task. | | | | |
| | | new column "Nan | | | | Hotel". | |
| | | a record from tab | - | - | | | |
| | | all the records of | | - | | | |
| | (1v) Displa | y the total of colu | mn "Salar | - | e "emp". | | |
| | Deced on the te | hla: "EMD" given l | | (OR) | | | |
| | Based on the ta | able: "EMP" given l | | | | | |
| | | · | EMPID | SALARY | | | |
| | | | 1 | 45000 | | | |
| | | | 2 | 50000 | | | |
| | | | 3 | 55000 | | | |
| | | | 4 | 40000 | | | |
| | | | 5 | NULL | | | |
| | | utput of the follow | - | | | | |
| | ., | CT MOD(SALARY, | , | | | | |
| | | CT AVERAGE(SAL | | | | | |
| | . , | T SUM(SALARY) F T MAX(SALARY) F | | | vir ID 2 3, | | |
| | (IV) SELEC | | | 1, | | | |

| | d Care-unit are four buildings of an IT company as Is. Shalini want to connect all the four buildings. |
|---|---|
| | |
| ADMIN | |
| RESEARCH | CARE UNIT |
| The distance between various b | buildings are as follows: |
| Admin to Account | 200m |
| Admin to Research | 150m |
| Admin to Care Unit | 50m |
| Account to Research | 250m |
| Account to Care Unit | 350m |
| Research to Care Unit | 350m |
| Account to Research250rAccount to Care Unit350rResearch to Care Unit350rNumber of computers in each cAdmin120Account100 | m m |
| Research 50 | |
| Care unit 50 (i) Suggest the most suitab IT Company with a suita | ble place (i.e., Building) to install the server of this |
| 1 | out for connecting these building for a wired |
| C C | the following device with justification |
| | ıb/Switch |
| (iv) The IT company is planning | ng to connect one centre at hilly location which is |
| more than 1250km from it | ts HQ. Which type of network out of LAN, MAN, or |
| | hich type of Communication medium is used to |
| WAN will be formed and wh connect the above. Justify | |

| | | | SAMPLE PAPER – 7 | | |
|--------|-----------------|--|---|------------------|-----|
| | | | INFORMATICS PRACTICES | | |
| | | Class: XII CBSE | | | |
| | | Time: 2:00 Hrs | TERM - II | Max .Marks: 35 | |
| Genera | al Instru | ctions: | | I | |
| | - | 1 1 | nto 3 Sections - A, B, and C. | _ | |
| | | Ū. | ns $(1-7)$. Each Question Carries 2 Ma | | |
| | | - | ns (8-10). Each Question Carries 3 M ns (11-13). Each Question Carries 4 | | |
| | | - | tion numbers 1, 3, 8 and 12. | Mai 110. | |
| | | | SECTION - A | | |
| | | This sectio | n consists of 7 Questions (1 to 7). | | |
| 1. | Ũ | is confused between I him the difference be | AN and WAN type of Network. As a f tween LAN and WAN. | friend of Manoj, | [2] |
| | | | (OR) | | |
| | will hel | | er. He wants to connect 4 computers a network? Also suggest a device whi met. | | |
| 2. | Identify | y me: | | | [1] |
| | a. I am | an analog device whic | h regenerates the week signals. | | |
| | b. I am | an intelligent hub. | | | |
| 3. | Write th | he output of the follow | ing: | | [2] |
| | a. Selec | et pow(100,-2); b. | Select round(1578.3871, -3); | | |
| | (OR) | | | | |
| | What is | s the difference betwee | en left() and right() functions of MySQ | L? Explain with | |
| | exampl | e. | | | |
| 4. | Differer | ntiate between dynami | c and static webpage. | | [2] |
| 5. | Write th | he output of the follow | ing : | | [2] |
| | a. Selec | ct length(left("Compute | er Science", 25)); | | |
| | b. Selec | ct lower("CaLcULAtioN | "); | | |
| 6. | Identify | the errors in the follo | wing query and also write the correct | query. | [2] |
| | | | | | |
| | . , | ct sum(salary), maxim | | | |
| 7. | | ct * from book where l | n "quantity" of table "stock" and writ | e the output of | [2] |
| | the follo | 0 | in quantity of table stock and with | e the output of | [4] |
| | quanti | ty | | | |
| | 12 23 | | | | |
| | 23 NULL | | | | |
| | 11 | | | | |
| | o Solor | t ann (an antitud frame | staale h Select avarage(avantity) fra | m stocle: | |
| | a. Selec | i sumquantity) from | stock; b. Select average(quantity) fro | III SLUCK, | |

| | a. Select qua | antity from stock; | (OR) b. Select max(quant SECTION – B | tity) + min(qu | antity) from stock | ; | | |
|-----------|---|---|--|-------------------------------|--------------------------|----|--|--|
| | | | 3 Questions (8 to 10 | 0). Each Car | ries 3 Marks. | | | |
| 8. | | tput of the followi | 0 | | | | | |
| | | • | 91262512145","4"); | | | | | |
| | | t mid("Informatics | Practices", 4, 8) | | | | | |
| | (iii) Select | year(now()); | | | | | | |
| | | | (OR) | . . | | | | |
| | Consider the | e table "Car" given | below and write SQ | L queries: | | | | |
| | Car_id | Price | Model | Тах | Brand | | | |
| | C101 | 550000 | 2016 | 50000 | Maruti | | | |
| | C124 | 720000 | 2019 | 75000 | Datsun | | | |
| | C129 | 655000 | 2022 | 48000 | Maruti | | | |
| 9. 10. | (ii) Display the average price of brand "Maruti". (iii) Display the detail of those cars whose model year is 2020. Explain the following function with example: (i) trim() (ii) month() (iii) dayname() What is function in MySQL? Explain two categories of function with one example | | | | | | | |
| 10. | of each. | JUON III MYSQL? I | Explain two categoine | | i with one examp | le | | |
| | | | SECTION – C | | | | | |
| | This section Marks | 1 consists of 3 Q | uestions (11 to 13). | Each Quest | ion Carries 4 | | | |
| 11. | Carefully ob | serve the following | g table "Hotel". | | | | | |
| | Room_id | Category | Tariff | Wi-Fi | Floor | | | |
| | 1245 | Deluxe | 2500 | Yes | Ground | | | |
| | | Semi_Deluxe | 2000 | Yes | First | _ | | |
| | 1374 | Sellin_Deluxe | 2000 | | | | | |
| | 1374 1152 | Super_Deluxe | 3500 | Yes | Ground | | | |
| | | | | Yes | Ground Second | | | |
| | 1152 1235 | Super_Deluxe Normal | 3500 | No | Second | | | |
| | 1152 1235 (i)Display the tariff. (ii) Display the tariff. | Super_Deluxe Normal e details of rooms he number of roor | 3500 1500 | No able in decre floor. | Second asing order of | | | |

| | | <u>Ta</u> | ble : Book | | | | | | |
|---|-------------------|-----------------|---------------------------------|-------------------|-----------|--|--|--|--|
| B_id | Price | Class | Author | Subject | | | | | |
| B121 | 250 | IX | R.K. | I.T. | | | | | |
| B200 | 350 | x | R.D. | Math | | | | | |
| B191 | 400 | x | M.L. | I.T. | | | | | |
| Sumit has | s written the fo | llowing queri | es. Help him in pi | edicting the outp | out of th | | | | |
| given quei | ries. | | | | | | | | |
| (i) Sele | ect sum(Price) | from Book wh | nere Subject = "I.T. | ", | | | | | |
| | | | ere Class = "X"; | | | | | | |
| | ect trim('B' from | , | | | | | | | |
| (iv) Sele | ct * from Book | wnere Subje | ct like "%t%"; (OR) | | | | | | |
| | | | () | | | | | | |
| (i) Differen | ntiate between | count() and c | ount(*). Explain w | ith example. | | | | | |
| | he output of th | | _ | _ | | | | | |
| (a) Sele | ect left("LEFT", | 2), right("Righ | nt",3); | | | | | | |
| (b) Sele | ect length(mid(' | "I love MySQL | ,4,5)); | | | | | | |
| | | - | e started his busi | | | | | | |
| | | - | usiness has grown | | | | | | |
| iour divisi | ons in his Oilic | ce located in C | Gurugram. All divi | sions are shown t | below: | | | | |
| | | Desi | gn | | | | | | |
| Produ | ction | | | | | | | | |
| | | | | | | | | | |
| | R& | D | Pa | ackaging | | | | | |
| Distance between various divisions are given below: | | | | | | | | | |
| Production | to R&D | | | 120m | | | | | |
| Production | to Design | | | 50m | | | | | |
| Production | to Packaging | | | 70m | | | | | |
| R&D to Des | ign | | | 80m | | | | | |
| R&D to Packaging 60m | | | | | | | | | |
| R&D to Pac | kaging | | | | | | | | |

| Production | 80 |
|---|----|
| R & D | 40 |
| Design | 32 |
| Packaging | 18 |
| (iii) Suggest the placement of ((iv) The organization is plane | 0 |

| | | SAMPLE PAPER - 8 | | | |
|-------|--|--------------------------------------|----------------------|----------|--|
| | | INFORMATICS PRACTIC | ES | | |
| | Class: XII CBSE | TEDM H | Mar Marlas 25 | | |
| | Time: 2:00 Hrs | TERM - II | Max .Marks: 35 |) | |
| enera | al Instructions: | | | | |
| •] | The question paper is divided | into 3 Sections - A, B, and C. | | | |
| • 5 | Section A consists of 7 Questi | ons (1-7). Each Question Carries | 2 Marks. | | |
| • 5 | Section B consists of 3 Questi | ons (8-10). Each Question Carries | s 3 Marks. | | |
| • 5 | Section C consists of 3 Questi | ons (11-13). Each Question Carrie | es 4 Marks. | | |
| • I | Internal Choices given for Que | estion numbers 1, 3, 8 and 12. | | | |
| | | SECTION – A | | | |
| | This secti | on consists of 7 Questions (1 to | 7). | | |
| 1. | During an international exe | change programme the students r | need to connect to a | [2 | |
| | classroom in Russia using | Skype. Samarth helps the student | ts to connect. Which | | |
| | type of network service is be | eing used? Explain. | | | |
| | | (OR) | | | |
| | Define hub and write its fur | | | | |
| 2. | 0 | topology of network. Also, illustrat | | [: | |
| 2 | - | d with each other using star topolo | ogy of network? | <u>г</u> | |
| 3. | What will be the output of the instant of the second secon | ne tollowing command? | | [: | |
| | ii) SELECT ROUND(14.4743 | 3 1) | | | |
| | iii) SELECT MOD(15,3) | , , , | | | |
| | iv) SELECT TRUNCARE(654 | -3,768,2) | | | |
| | | (OR) | | | |
| | (a) Consider the decimal n SQL. | umber x with value 8459.2654. | Write commands in | | |
| | i) To round it off to a who | le number. | | | |
| | ii) To round it to 2 places | | | | |
| | (b) Given a number n, write | - | | | |
| | , 1 | number using SQL function. | | | |
| | Function. | division of n by another number r | n using SQL | | |
| 4. | Create the given table with t | following details: | | [2 | |
| •• | | | | Ľ | |
| | Table : Order | | | | |
| | Column Name Constraint OrderId Primary Key | | | | |
| | OrderDate Not Null | | | | |
| | OrderAmount | | | | |
| | StoreId | | | | |
| | Also list the difference betwe | een unique key and primary key co | onstraint | | |
| 5. | | n static and dynamic website. | | [2 | |
| | | identify the domain name in the | | £- | |
| | | vrite it for him. http://www.cbsen | ic in /aboutus htm | | |
| | | The reader mini. http://www.cosen | aboutus.iitiii | | |

| e | 5. | Anita ł | nas been given | the be | low g | iven ord | ers table: | | [2] | | | |
|---|----|---|----------------------------------|---------------|------------|------------|--|---------|-----|--|--|--|
| | | + | -+ | + | | | | | | | | |
| | | oid | cuid ite | m | | | | | | | | |
| | | + | -++ 101 Fan | + | | | | | | | | |
| | | 1001 101 Pan 1002 101 Pan | | | | | | | | | | |
| | | 1003 | 102 Boo | k | | | | | | | | |
| | | 1004 103 Pencil 1005 104 Pen | | | | | | | | | | |
| | | 1005 104 Pen 1006 104 Fan | | | | | | | | | | |
| | | + | -++ | + | | | | | | | | |
| | | i) How | will she ger | nerate 1 | the f | ollowing | output using group by and ag | gregate | | | | |
| | | func | ctions where | | | - | is for cuid are arranged in desc | | | | | |
| | | orde | | 4 41 <u>-</u> | 1 | | | | | | | |
| | | 11) How | will she coun | t the nu | impe | er of dist | nct items in the orders table? | | | | | |
| | | + | + d count(*) | -+ | | | | | | | | |
| | | + | + | -+ | | | | | | | | |
| | | 10 | 1 2 | 2 | | | | | | | | |
| | | 104 | | | | | | | | | | |
| | | 10 | | | | | | | | | | |
| | | 10 | 3 1 | | | | | | | | | |
| | - | | · · · · · · | | | | ······································ | | 101 | | | |
| | 7. | | ER BY clause | | ROU | PBICI | use in MySQL? How is it differen | it from | [2] | | | |
| | | | | | a tah | le EMPI | OYEE. It has the following column | 18. | | | | |
| | | | - | - | | | contains Aggregate marks] | | | | | |
| | | | | | | | d in each Stream.She wrote the fo | llowing | | | | |
| | | | | - | | | 'ROM EMPLOYEE; | 0 | | | | |
| | | But sh | e did not get | the des | sired | result. | Rewrite the above query with nee | cessary | | | | |
| | | change | es to help her | get the | desir | ed outpu | t. | | | | | |
| | | ጥኒ | | | £ 2 0 | SECTIO | | _ | | | | |
| 5 | 3. | | he output of t | | | | s (8 to 10). Each Carries 3 Marks | | [3] | | | |
| | | | _ | | - | _ | ıbstr(' india is great ',10,5) | | [~] | | | |
| | | | ct power(instr | • | - | | | | | | | |
| | | iii) sele | ct length(sub | str(lowe | er('ab | c 123'),1 | ,3)); | | | | | |
| | | | | | | (C | R) | | | | | |
| | | Consid | ler the followin | ng table | : | | | | | | | |
| | | | - 1 | fable : ST(| оск | | | | | | | |
| | | ICODE | INAME | DCODE | QTY | UNITPR | STKDATE | | | | | |
| | | 444 445 | Drawing Copy Sharpener Camlin | 101 102 | 110 235 | 21 | 31-July-2010 01-Aug-2010 | | | | | |
| | | 450 | Eraser Natraj | 101 | 40 | 2 | 17-Aug-2010 | | | | | |
| | | 452 457 | Gen Pen Montex Geometry Box | 103 101 | 50 35 | 5 45 | 30-Dec-2009 15-Nov-2009 | | | | | |
| | | 467 | Parker Premium | 102 | 60 | 205 | 27-Oct-2009 | | | | | |
| | | 469 | Office File | 103 | 32 | 25 | 13-Sep-2010 | | | | | |
| | | To fetc | h last two cha | racters | from | the colu | mn INAME. | | | | | |
| | | ii. To d | isplay the nar | ne of th | e wee | ekday(lik | e monday,tuesday) of STKDATE | !• | | | | |
| | | iii. To c | lisplay the po | sition of | f 'p'in | the colu | mn INAME | | | | | |
| | | | | | | Pag | e.2 | I | | | | |

| | How are a | aggregate fi | unctions di | fferent fron | ı other SQ |)L functio | ns? | [3 | | |
|-----|---|--|---|--|---|---|--|----|--|--|
| | Write two | o different S | QL queries | s (using gro | up by | | | | | |
| | | with having | | | | | | | | |
| | | with where | | | | | | | | |
| 10. | Ű | | , | iting systa | te() and | now() fur | nctions. Help her to | [; | | |
| 10. | | | | | | | - | Ľ | | |
| | understand the concept of these functions with suitable examples. Did it accept | | | | | | | | | |
| | any para | meters? Me | ntion. | | | | | | | |
| | | | | SECTIO | DN – C | | | | | |
| | | tion consis | ts of 3 Qu | estions (1) | l to 13). I | Each Que | stion Carries 4 | | | |
| | Marks | .1 . 11 | | | | 1 | | | | |
| 11. | Consider | the table | sales give | en below. | Write coi | nmands | in SQL A Salesman | [| | |
| | relation is | s given belo | ow: | | | | | | | |
| | Scode | Sname | Address | Dojoin | Sales | Area | 7 | | | |
| | 100 | Amit | Delhi | 2017/09/29 | 5000.90 | East | - | | | |
| | 101 | Sushant | Gurgaon | 2018/01/01 | 7000.75 | East | | 1 | | |
| | 102 | Priya | Noida | 2018/04/25 | 3450.45 | West | | 1 | | |
| | 103 | Mohit | Delhi | 2018/11/03 | | North | | | | |
| | 104 | Priyanshi | Delhi | 2019/12/15 | 8000.62 | North | | 1 | | |
| | tha (iv) To c | n 1 salesma display the | an. | | | | areas who have more man who has joined | | | |
| 12. | tha (iv) To o mos | n 1 salesma display the st recently. | an. Sname Sr | name and l | alesmen f Dojoin of | the sales | | ľ | | |
| 12. | tha (iv) To o mos Consider | n 1 salesma display the st recently. | an. Sname Sr les table g | name and l | alesmen f Dojoin of | the sales | man who has joined | [· | | |
| 12. | tha (iv) To o mos Consider | in 1 salesma display the st recently. the Vehicl is given belo | an. Sname Sr les table g | name and l given below | alesmen f Dojoin of | the sales | man who has joined | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles | an 1 salesma display the st recently. the Vehicl is given belo Type Con agon Maru | an. Sname Sr les table g ow: npany Pric ti 200000 | name and l given below | alesmen f Dojoin of | the sales | man who has joined | [' | | |
| 12. | tha (iv) To o mos Consider Vehicles | an 1 salesma display the st recently. the Vehicl is given belo Type Con agon Maru ep Mahir | an. Sname Sr les table g ow: npany Pric ti 200000 ndra 350000 | given below | alesmen f Dojoin of | the sales | man who has joined | [' | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles | an 1 salesma display the st recently. the Vehicl is given belo Type Con agon Maru ep Mahir | an. Sname Sr les table g ow: npany Pric ti 200000 ndra 350000 ibishi 500000 | name and l given below 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of | the sales | man who has joined | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles SV98 SU MV76 Mi SV599 SU | an 1 salesma display the st recently. the Vehick is given belo Type Con agon Maru ep Mahir V Mitsu ini van Datsu | an. Sname Sr les table g ow: npany Pric ti 20000 ndra 350000 bishi 500000 ti 800000 | name and l given below 20 20 20 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of | the sales | man who has joined | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles SV98 SU MV76 Mi SV599 SU | an 1 salesma display the st recently. the Vehicl is given belo Type Con agon Maru ep Mahir V Mitsu ini van Datsu | an. Sname Sr les table g ow: npany Pric ti 20000 ndra 350000 bishi 500000 ti 800000 | name and l given below 20 20 20 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of | the sales | man who has joined | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles SV98 SU MV76 Mi SV599 SU MV880 Mi | an 1 salesma display the st recently. the Vehick is given belo Type Con agon Maru ep Mahir V Mitsu ini van Datsu | an. Sname Sr les table g ow: npany Pric ti 200000 ndra 350000 bishi 500000 ni 780000 ti 800000 ndra 560000 | name and l given below 20 20 20 20 20 20 20 20 20 20 20 20 20 | alesmen f | the sales | man who has joined | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles SV98 SU MV76 Mi SV599 SU MV880 Mi Find out | an 1 salesma display the st recently. the Vehicl is given belo Type Con agon Maru ep Mahir V Mitsu ini van Datsu V Maru ini van Mahir | an. Sname Sr les table g ow: npany Pric ti 200000 ndra 350000 ibishi 500000 in 780000 ti 800000 ndra 560000 of following | name and l given below 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of 7 and per nands : | the sales | man who has joined | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles Vehicles SV98 SU MV76 Mi SV599 SU MV880 Mi Find out i. select a | an 1 salesma display the st recently. the Vehicl is given belo Type Con agon Maru ep Mahin V Mitsu ini van Datsu V Maru ini van Mahin the output avg(price) fro | an. Sname Sr les table g ow: npany Pric ti 200000 ndra 350000 ibishi 500000 in 780000 ti 800000 ndra 560000 of following om vehicles | ame and l given below 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of 7 and per nands : ne"%n"; | the sales | man who has joined | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles Vehicles Volume Sv98 SU MV76 Mi Sv599 SU MV880 Mi Find out i. select a ii. select o | an 1 salesma display the st recently. the Vehicl is given belo Type Con agon Maru ep Mahin V Mitsu ini van Datsu V Maru ini van Mahin the output avg(price) fro count(type) | an. Sname Sr les table g ow: npany Pric ti 200000 ndra 350000 ti 800000 ndra 560000 of following om vehicles from vehic | name and l given below 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of and per and per nands : ne"%n"; y compar | the sales | man who has joined following a relation | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles Vehicles Volume Sv98 SU MV76 Mi Sv599 SU MV880 Mi Find out i. select a ii. select o iii. select | an 1 salesma display the st recently. The Vehicles is given below Type Con agon Maru ep Mahin V Mitsu ini van Datsu V Maru ini van Datsu V Maru the output avg(price) fro count(type) sum(price) | an. Sname Sr les table g ow: <u>npany Pric</u> ti 200000 ndra 350000 ti 800000 ndra 560000 of following om vehicles from vehic | ame and l given below $\frac{e}{0}$ 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of and per and per and s: ne"%n"; y compar y compar | the sales form the hy; hyhaving c | man who has joined following a relation | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles Vehicles Volume Vo | an 1 salesma display the st recently. the Vehicl is given belo Type Con agon Maru ep Mahin V Mitsu ini van Datsu V Maru ini van Mahin the output avg(price) fro count(type) | an. Sname Sr les table g ow: <u>npany Pric</u> ti 200000 ndra 350000 ti 800000 ndra 560000 of following om vehicles from vehic | ame and l given below $\frac{e}{0}$ 20 25 20 26 20 26 20 19 20 26 27 26 27 27 26 27 | alesmen f Dojoin of and per and per and s: ne"%n"; y compar y compar | the sales form the hy; hyhaving c | man who has joined following a relation | [| | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles Vehicles Volume Sv98 SU MV76 Mi Sv599 SU MV880 Mi Find out i. select a ii. select o iii. select | an 1 salesma display the st recently. The Vehicles is given below Type Con agon Maru ep Mahin V Mitsu ini van Datsu V Maru ini van Datsu V Maru the output avg(price) fro count(type) sum(price) | an. Sname Sr les table g ow: <u>npany Pric</u> ti 200000 ndra 350000 ti 800000 ndra 560000 of following om vehicles from vehic | ame and l given below $\frac{e}{0}$ 20 25 20 26 20 26 20 19 20 26 27 26 27 27 26 27 | alesmen f Dojoin of and per and per and s: ne"%n"; y compar y compar | the sales form the hy; hyhaving c | man who has joined following a relation | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles Vehicles Vehicles Vehicles Vehicles Vehicles Sv98 SU MV76 Mi Sv599 SU MV880 Mi Find out i. select a ii. select a iii. select (OR) | an 1 salesma display the st recently. The Vehicles is given below Type Con agon Maru ep Mahin V Mitsu ini van Datsu V Maru ini van Datsu V Maru the output avg(price) fro count(type) sum(price) | an. Sname Sr les table g ow: <u>npany Pric</u> ti 20000 ndra 350000 bishi 500000 in 780000 in 780000 in 780000 of following om vehicles from vehic from vehic from vehic | name and l given below 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of and per and per and s: ne"%n"; ny compar ny compar s where c | the sales form the ny; nyhaving o ity>20; | man who has joined following a relation | [4 | | |
| 12. | tha (iv) To o mos Consider Vehicles V_{no} TT25 Wa J0043 Jee Sv98 SU MV76 Mi Sv599 SU MV880 Mi Find out i. select a ii. select a iii. select iv. select (OR) Write the | an 1 salesma display the st recently. the Vehicle is given belo <u>Type Con</u> agon Marut ep Mahin V Mitsu ini van Datsu V Marut ini van Mahin the output avg(price) fro count(type) sum(price) type,left(con | an. Sname Sr les table g ow: <u>npany Pric</u> ti 20000 ndra 350000 bishi 500000 in 780000 bishi 500000 of following of following om vehicles from vehic from vehic from vehic | name and l given below 20 20 20 20 20 20 20 20 20 20 | alesmen f Dojoin of 7 and per 7 and per 9 and | the sales form the ny; nyhaving o nyhaving oper | man who has joined following a relation ty<20. | [| | |
| 12. | tha (iv) To o mos Consider Vehicles V_{no} TT25 Wa J0043 Jee Sv98 SU MV76 Mi Sv599 SU MV880 Mi Find out i. select a ii. select a iii. select iv. select (OR) Write the i. To disp | an 1 salesma display the st recently. the Vehicle is given belo Type Con agon Marut ep Mahin V Mitsu ini van Datsu V Marut ini van Mahin the output avg(price) fro count(type) sum(price) type,left(con | an. Sname Sr les table g ow: <u>npany Pric</u> ti 200000 ndra 350000 bishi 500000 ndra 560000 of following om vehicles from vehic from vehic from vehic from vehic from vehic | ame and l given below 20 25 26 20 26 20 26 20 25 26 20 25 26 20 25 26 20 25 26 20 25 26 26 25 26 26 25 26 26 25 26 26 25 26 25 26 26 25 26 26 25 26 25 26 26 25 26 26 25 26 26 25 26 26 25 26 26 26 26 27 26 27 26 26 27 26 26 27 26 27 26 27 26 27 | alesmen f Dojoin of and per and per an | the sales form the ny; nyhaving o ny oper name (my | man who has joined following a relation ty<20. | [| | |

| | iv. To display the leftmost as well as the rightmost character of the string | |
|----|--|---|
| | | |
| | 'PYTHON' | |
| 3. | China Middleton Fashion is planning to expand their network in India, starting | [|
| | with two cities to provide infrastructure for distribution of their products. The | |
| | company has planned to setup their main office in Chennai at three different | |
| | locations and have named their offices as Production Unit, Finance Unit and | |
| | Media Unit. The company rough layout of the same is as follows: y has its | |
| | | |
| | Corporate Unit in Delhi. A rough layout of the same is as follows: | |
| | Corporate Unit [Delhi] Production Unit Finance Unit Media Unit | |
| | Approximate distance between these units is as follows: From To Distance | |
| | Production Unit Finance Unit 70 m | |
| | Production Unit Media Unit 15 m | |
| | Production Unit Corporate Unit 2112 m | |
| | Finance Unit Media Unit 15 m | |
| | In continuation of the above, the company experts have planned to install the following number of computers in each of these units. | |
| | To Distance | |
| | Production Unit 150 Finance Unit 35 | |
| | Media Unit 10 | |
| | Corporate Unit 30 | |
| | (i) Suggest the kind of network required (out of LAN, MAN, WAN) for each of the following units. (a) Production Unit and Media Unit (b) Production Unit and Finance Unit (ii) Which of the following devices will you suggest for connecting all | |
| | computers with each of their office units? | |
| | (a) Switch/Hub (b) Modem (c) Telephone | |
| | (iii) Suggest a cable/wiring layout for connecting the company's local office | |
| | units located in Chennai. | |
| | (\cdot) Also second as $(0, -i)$ and $(1, -i)$ $(1, -i)$ $(1, -i)$ $(1, -i)$ | |
| | (iv) Also, suggest an effective method/technology for connecting the company's | |

| | | SAMPLE PAPER – 9 | | | |
|--------|--|---|-----------------|----|--|
| | | INFORMATICS PRACTICES | | | |
| | Class: XII CBSE | TEDM H | Mary Marilas 25 | | |
| | Time: 2:00 Hrs | 2:00 HrsTERM - IIMax .Marks: 35 | | | |
| denera | al Instructions: | · | | | |
| •] | The question paper is divided | into 3 Sections - A, B, and C. | | | |
| | • | ons (1-7). Each Question Carries 2 M | | | |
| | - | ons (8-10). Each Question Carries 3 | | | |
| | | ons (11-13). Each Question Carries 4 | Marks. | | |
| • 1 | internal choices given for Que | estion numbers 1, 3, 8 and 12. SECTION – A | | | |
| | This secti | on consists of 7 Questions (1 to 7). | | | |
| 1. | What kind of network is for | | | [2 | |
| | | laptop with your friend's mobile using | | L- | |
| | (ii) Computer network within | n a university campus. | | | |
| | XX71 / · /1 1°CC 1 / | (OR) | 1 | | |
| | What is the difference betwee | een Website and Webpage? Give an exa | imple. | | |
| 2. | (i) Beauty Lines Fashion In | c. is a fashion company with design | unit and market | [2 | |
| | unit 135 m away from ea | ch other. The company recently conne | cted their LANs | - | |
| | | share the stock related information. | | | |
| | _ | able to share the information due to | | | |
| | | e you suggest to be installed | _ | | |
| | communication? | e you suggest to be instance | | | |
| | | ion | | | |
| | (ii) Identify the following dev | | | | |
| | | o connect different types of networks | - | | |
| | 5 | so that the connected networks ca | n communicate | | |
| | properly. | | | | |
| 3. | Predict the output of the following the foll | | | [2 | |
| | (i) SELECT SUBSTR('ABCDE | EFG', -5 ,3) (ii) SELECT left("Jammu l | Region", 5); | | |
| | | (OR) | | | |
| | Briefly explain the purpose | of the following SQL functions: | | | |
| | i. SUBSTR() ii. LEFT() | | | | |
| 4. | Mr. Ramesh is not able to i | dentify the Domain Name and docum | ent name in the | [2 | |
| | given URL. Identify and writ | te it for him. http://www.cbsenic.in/a | ooutus.htm | | |
| 5. | Predict the output of the following the foll | lowing queries: | | [2 | |
| | i. Select power(5,2); ii. S | Select mod(5,2); | | | |
| 6. | Anjali writes the following | commands with respect to a table e | mployee having | [2 | |
| | fields, empno, name, depart | | | | |
| | Command1 : Select count(* Command2: Select count(co | | | | |
| | | ommission nom employee, | | | |

| 7. | Assume we have the following "Orders" table: | | | | | | | | |
|----|--|-----------------|------------------|--------------------|----------------|---------------------|----------------|--|--|
| | OrderI | d Produ | ıctName | | OrderDate | | | | |
| | 1 | Geito | st | | 2021-11-11 | | | | |
| | 2 | Came | embert Pier | rrot | 2008-11-09 | | | | |
| | 3 | Mozz | arella di G | iovanni | 2008-11-11 | | | | |
| | 4 | Masc | arpone Fal | bioli | 2008-10-29 | | | | |
| | (i) Displ | ay all the | orders wh | ich was d | lone in Noven | ıber. | | | |
| | | • | | | t and its date | | | | |
| | (OR) | | | | | | | | |
| | Predict | the outpu | .t: | | | | | | |
| | (i) select | t orderid t | from Order | rs where y | vear(OrderDa | e)=2008; | | | |
| | (ii) selec | t Day(Or | derDate) fr | om Order | `S; | | | | |
| | | | , | SEC | CTION – B | | | | |
| | | | | of 3 Ques | tions (8 to 1 | 0). Each Carries | 3 Marks. | | |
| 8. | Conside | r a string | "AS YOU I | know MO | RE" | | | | |
| | Write th | e queries | for the fol | lowing tas | sks. | | | | |
| | i) W | /rite a con | mmand to | display "l | know". | | | | |
| | ii) W | /rite a coi | mmand to | display n | umber of cha | racters in the stri | ng. | | |
| | , | | | | | nce of letter 'O' | 0 | | |
| | | 1100 a 001 | | | (OR) | | | | |
| | 0 | | | 0 | 、 , | 1 | | | |
| | | - | | | bre stored in | a column str. Wh | at will be the | | |
| | output o | of the follo | owing quer | ies? | | | | | |
| | i) S | ELECT U | PPER(str); | | | | | | |
| | ii) S | ELECT su | ubstr(str,-9 | 9,4); | | | | | |
| | iii) S | ELECT R | ight(str,4) | | | | | | |
| 9. | A relatio | n Vehicle | es is given | below : | | | | | |
| | V_no | Туре | Company | Price | Qty | | | | |
| | AW125 | Wagon | Maruti | 250000 | 25 | | | | |
| | J0083 | Jeep | Mahindra | 4000000 | 15 | | | | |
| | S9090 | SUV | Mitsubishi | 2500000 | 18 | | | | |
| | M0892 W9760 | Mini van SUV | Datsun Maruti | 1500000 2500000 | 26 | | | | |
| | R2409 | Mini van | Mahindra | 350000 | 15 | | | | |
| | L | 2L comm | | | | | | | |
| | | • | | - f 1 | | 1 | | | |
| | 1 101 11010 | av the av | erage price | e or each 1 | lvpe of vehicl | e having quantity | more than 20. | | |

| | Gopi Kı | rishna | is using a | a tabl | e EMPLO | YEE. It ha | as the follow | ing columns: | [3 | | |
|-----|---|---|---|---|--|--|---|---|----|--|--|
| | Code, N | Vame, S | Salary, D | eptco | de. He wa | ants to di | splay maxin | num salary Department | | | |
| | wise. | | | | | | | | | | |
| | He wrot | te the f | ollowing | comn | nand: | | | | | | |
| | SELECT Dept code, Max(Salary) FROM EMPLOYEE; | | | | | | | | | | |
| | But he did not get desired result. Rewrite the above query with necessary change to help him get the desired output | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | ne reason | - | | 19 0110118 | | i Set ille deslied output | | | |
| | | | | • | SE | CTION - | <u>^</u> | | | | |
| | This se Marks | ction | consists | of 3 | - | | - | uestion Carries 4 | | | |
| 11. | | er the f | ollowing | table | "Garment | t" | | | [4 | | |
| | | | - | | | | | | - | | |
| | Table: (| GARME | NT | | | | | | | | |
| | G COL | | ME | SIZE | COLOUR | PRICE | | | | | |
| | 111 | T Sh | | XL | Red | 1400.00 | | | | | |
| | 112 113 | Jean Skirt | | M | Blue Black | 1600.00 1100.00 | | | | | |
| | 114 | | es Jacket | | Blue | 4000.00 | | | | | |
| | 115 | | sers | L | Brown | 1500.00 | | | | | |
| | 116 | Ladi | es Toop | L | Pink | 1200.00 | | | | | |
| | Consider the table Garment and write the query: | | | | | | | | | | |
| | i. Display the Minimum price of the Garment. | | | | | | | | | | |
| | ii. Cour | nt and o | display tl | ne nu | mber of G | ARMENI | from each s | SIZE where number of | | | |
| | | | S are mor | | | | | | | | |
| | | | | | of each co | lor garm | ent | | | | |
| | _ | - | - | _ | | - | CIII | | | | |
| | _ | - | erage pric | e oi A | KL size ga | rments. | | | | | |
| | | | | | | | | | | | |
| 12. | Conside | er the t | pelow me | ntion | ed table o | | ' · | | [4 | | |
| 12. | Conside | er the t | below me | ntion | ed table o | | ': | | [4 | | |
| 12. | D | CODE | DES | SCRII | PTION | | MCODE | LAUNCHDATE | [4 | | |
| 12. | D | CODE 10001 | DES FORMA | SCRII AL SH | PTION | f 'CLOTH PRICE 1250 | MCODE M001 | 12–JAN–08 | [4 | | |
| 12. | | CODE 10001 10020 | DES FORMA FROCK | SCRII AL SH | PTION IIRT | f 'CLOTH PRICE 1250 750 | MCODE M001 M004 | 12–JAN–08 09–SEP–07 | [4 | | |
| 12. | | CODE 10001 10020 10012 | DES FORMA FROCK INFORM | SCRII AL SH MAL | PTION IIRT SHIRT | f 'CLOTH PRICE 1250 750 1450 | MCODE M001 M004 M002 | 12–JAN–08 09–SEP–07 06–JUN–08 | [4 | | |
| 12. | | CODE 10001 10020 10012 10019 | DES FORMA FROCK INFORM EVENIN | SCRII AL SH MAL NG GO | PTION IIRT SHIRT OWN | f 'CLOTH PRICE 1250 750 1450 850 | MCODE M001 M004 M002 M003 | 12–JAN–08 09–SEP–07 06–JUN–08 06–JUN–08 | [4 | | |
| 12. | | CODE 10001 10020 10012 10019 10090 | DES FORMA FROCK INFORM EVENIN TULIPS | SCRII AL SH MAL NG G SKIR' | PTION IIRT SHIRT OWN T | f 'CLOTH PRICE 1250 750 1450 850 850 | MCODE M001 M004 M002 M003 M002 | 12–JAN–08 09–SEP–07 06–JUN–08 06–JUN–08 31–MAR–07 | [4 | | |
| 12. | | CODE 10001 10020 10012 10019 10090 10023 | DES FORMA FROCK INFOR EVENIN TULIPS PENCI | SCRII AL SH MAL (NG G SKIR' L SKI | PTION IIRT SHIRT OWN T | f 'CLOTH PRICE 1250 750 1450 850 850 1250 | MCODE M001 M004 M002 M003 M002 M003 | 12–JAN–08 09–SEP–07 06–JUN–08 06–JUN–08 31–MAR–07 19–DEC–08 | [4 | | |
| 12. | | CODE 10001 10020 10012 10019 10090 10023 10089 | DES FORMA FROCK INFORM EVENIN TULIPS PENCI SLACK | SCRII AL SH MAL NG GU SKIR' L SKI | PTION URT SHIRT OWN T IRT | f 'CLOTH PRICE 1250 750 1450 850 850 1250 850 | MCODE M001 M004 M002 M003 M002 | 12–JAN–08 09–SEP–07 06–JUN–08 06–JUN–08 31–MAR–07 | [4 | | |
| 12. | Write th | CODE 10001 10020 10012 10019 10090 10023 10089 ne com | DES FORMA FROCK INFORM EVENIN TULIP S PENCI SLACK mands for | SCRII AL SH MAL M NG GO SKIR' L SKI S or the | PTION URT SHIRT OWN T IRT following | f 'CLOTH PRICE 1250 750 1450 850 850 1250 850 : | MCODE M001 M004 M002 M003 M003 M003 | 12-JAN-08 09-SEP-07 06-JUN-08 06-JUN-08 31-MAR-07 19-DEC-08 20-OCT-08 | [4 | | |
| 12. | D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | CODE 10001 10020 10012 10019 10090 10023 10089 ne com Display | DES FORMA FROCK INFORM EVENIN TULIP S PENCI SLACK mands for | SCRII AL SH MAL NG GO SKIR' L SKI S or the ee lett | PTION URT SHIRT OWN T IRT following ters of des | f 'CLOTH PRICE 1250 750 1450 850 850 1250 850 : scription of the second seco | MCODE M001 M004 M002 M003 M003 M003 M003 M003 M003 M003 | 12–JAN–08 09–SEP–07 06–JUN–08 06–JUN–08 31–MAR–07 19–DEC–08 20–OCT–08 | [4 | | |
| 12. | D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | CODE 10001 10020 10012 10019 10090 10023 10089 ne com Display Display | DES FORMA FROCK INFORM EVENIN TULIP S PENCI SLACK mands for first three | SCRII AL SH MAL M NG GO SKIR S S or the ee lett eriptio | PTION IIRT SHIRT OWN T IRT following ters of des | f 'CLOTH PRICE 1250 750 1450 850 850 1250 850 : scription of moving left | MCODE M001 M004 M002 M003 M003 M003 e.g. 'FRO' for eading space | 12–JAN–08 09–SEP–07 06–JUN–08 06–JUN–08 31–MAR–07 19–DEC–08 20–OCT–08 | [4 | | |
| 12. | D 1 | CODE 10001 10020 10012 10019 10090 10023 10089 ne com Display Display | DES FORMA FROCK INFORM EVENIN TULIP S PENCI SLACK mands for first three the descent | SCRII AL SH MAL (NG GO SKIR' L SKI S or the ee lett criptio aber o | PTION IIRT SHIRT OWN T IRT following ters of des on after re of MCODE | f 'CLOTH PRICE 1250 750 1450 850 850 1250 850 : scription of moving left in the tag | MCODE M001 M004 M002 M003 M003 M003 e.g. 'FRO' for eading space ble. | 12–JAN–08 09–SEP–07 06–JUN–08 06–JUN–08 31–MAR–07 19–DEC–08 20–OCT–08 | [4 | | |

Page.3

| | | (OR) | | | | | | |
|-----|------------------|---|-----|--|--|--|--|--|
| | (e) Displ | lay total price of products launched in year 2008. | | | | | | |
| | | lay minimum price of product for each material code(MCODE). | | | | | | |
| | ., . | lay the most recent LAUNCHDATE. | | | | | | |
| | - | | | | | | | |
| 1.0 | | lay remainder of price divided by 10. | | | | | | |
| 13. | | corporation has set up its new centre at Noida, Uttar Pradesh for its | [4] | | | | | |
| | office and w | veb-based activities. It has 4 blocks of buildings. | | | | | | |
| | BeHappy C | Corporation | | | | | | |
| | | Block B | | | | | | |
| | Block A | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | Block D | | | | | | |
| | Block C | | | | | | | |
| | | | | | | | | |
| | | etween the various blocks is as follows: | | | | | | |
| | A to B | 40 m | | | | | | |
| | B to C C to D | 120m 100m | | | | | | |
| | A to D | 170m | | | | | | |
| | B to D | 150m | | | | | | |
| | A to C | 70m | | | | | | |
| | | f computers in each block | | | | | | |
| | Block A | 25 | | | | | | |
| | Block B | 50 | | | | | | |
| | Block C | 125 | | | | | | |
| | Block D | 10 | | | | | | |
| | | | | | | | | |
| | a) Sugg | gest and draw the cable layout to efficiently connect various blocks of | | | | | | |
| | build | dings within the Noida centre for connecting the digital devices | | | | | | |
| | b) Sugg | gest the placement of the following device with justification | | | | | | |
| | i. Rep | eater ii. Hub/Switch | | | | | | |
| | c) Which | ch kind of network (PAN/LAN/WAN) will be formed if the Noida office is | | | | | | |
| | conne | ected to its head office in Mumbai? | | | | | | |
| | d) Sugge | est a most suitable place(unit) to install server with justification. | | | | | | |
| | , 30 | | | | | | | |

| | | | SAMPLE PAPER - 10 | | |
|------------|-----------|-------------------------|---|------------------|-----|
| | | | INFORMATICS PRACTICES | | |
| | | Class: XII CBSE | TEDM II | Mar Marka 25 | |
| | | Time: 2:00 Hrs | TERM - II | Max .Marks: 35 | |
| | al Instru | | | | |
| | - | | to 3 Sections - A, B, and C. | | |
| | | - | ns $(1-7)$. Each Question Carries 2 Ma | | |
| | | - | ns (8-10). Each Question Carries 3 M ns (11-13). Each Question Carries 4 | | |
| | | - | tion numbers 1, 3, 8 and 12. | Maiks. | |
| • <u>,</u> | | choices given for Ques | SECTION – A | | |
| | | This section | n consists of 7 Questions (1 to 7). | | |
| 1. | Anitha | is confused between | a web URL and a domain. Help her | r to distinguish | [2] |
| | | | explanation using examples. | 0 | |
| | | | | | |
| | | | (OR) | | |
| | Rashid | a wants to edit som | e privacy settings of her browser. | How can she | |
| | | olish her task? | te privacy settings of her browser. | now can she | |
| 2. | (i) | | | | [2] |
| | Ι | | | | |
| | - | | Router to help it connect the network | | |
| | | convert digital data to | n the Router as we can look the same. analog and vice versa | | |
| | What a | - | | | |
| | | | | | |
| | (ii) | | | | |
| | Which | protocol allows you | to make voice calls using a broad | dband Internet | |
| | connec | - | | | |
| 3. | | the output of the follo | wing queries. | | [2] |
| | | t pow(2.0,3.0); ii. | | | [~] |
| | I. Selec | | | | |
| | D. a | · | OR) | | |
| | - | | the following SQL functions: | | |
| | (i) SUB | STR() (ii) LEFT() |) | | |
| | | 1 1.00 | | c : 1 | |
| 4. | | | om a web server". Explain any two difi suitable example of each. | ierences in web | [2] |
| 5. | | | e output of the following queries: | | [2] |
| | (i) sele | ct round(783.34,-2); | (ii) select round(456.335,2); | | _ |
| | 1 | | | | |

| 6. | What is the difference | es between HAVI | NG clause | and WHERE cla | use? Explain with | [2 |
|----|---|--|--|---|-------------------|----|
| | help of Example? | | | | | |
| 7. | Given Table Course: | | | | | [2 |
| | CID | CNAME | FEES | STARTDATE | TID | |
| | C201 | AGDCA | 12000 | 2018-07-02 | 101 | |
| | C202 | ADCA | 15000 | 2018-07-15 | 103 | |
| | C203 | DCA | 10000 | 2018-10-01 | 102 | |
| | C204 | DDTP | 9000 | 2018-09-15 | 104 | |
| | C205 | DHN | 20000 | 2018-08-01 | 101 | |
| | C206 | O LEVEL | 18000 | 2018-07-25 | 105 | |
| | | | | 1 | | |
| | FROM COUR GROUP BY T HAVING COU | COUNT (*), MIN(I SE ID JNT (*) > 1; S, DAY(STARTDA SE; (O iven above, write | FEES) ATE) R) queries for | _ | sk: | |
| | ii) Display course de | | taring in Ju TION – B | lly month. | | |
| | This section cor | | | 10). Each Carri | es 3 Marks. | 1 |
| 8. | Predict the output of i. SELECT INSTR ('V ii. SELECT MID('Qu iii. SELECT RIGHT (| 'ery good', 'good') adratically',5,6); | | | | [3 |
| | | | (OR) | | | |
| | A school "ABC" ma following structure to | | | - | 'student' having | |
| | name va dob da stream va gender ch | t(11) NO PRI rchar(20) YES | Default Ex NULL NULL NULL NULL NULL NULL NULL | + tra | | |
| | | | | | | |

| | Write the | SQL qu | ery to | o achieve ⁻ | the fo | llowing | tasks. | | | | |
|-------------|---|---|--|---|---|--|---|---|---|---------|--|
| | i. To e | display | the f | irst three | chara | cters of | f the co | lumn str | ream in UPPE | R case. | |
| | ii. To e | display | the y | ear of bir | th as | 'YEAR" | | | | | |
| | iii. To l | locate tl | he po | sition of t | he su | b-string | g "sci" i | n the co | lumn stream. | | |
| 9. | ANITA is v | vorking | with | functions | s of M | ySQL. E | Explain | her follo | owing: | | |
| | i. What is | the diffe | erend | ce betweer | n MOI | NTH() ai | nd Mon | thName | () function? | | |
| | ii. Which f | function | ı retu | arns the w | veekda | y for da | ate.? | | | | |
| | iii. What is | s the ou | itput | of SELEC | ст мо | NTHNA | ME ('20 | 008-02-0 |)3')? | | |
| LO. | Predict ou | tput for | r the | following | SQL c | ueries: | | | | | |
| | i) select co | oncat (r | trim | ('TERM2 | '), ' | EXAM') | ; | | | | |
| | ii) select le | ength (1 | rtrim | ('TERM2 | 2EXAI | M ')); | | | | | |
| | iii) select l | ength (| trim | (' TERM | I2EXA | .M ') |); | | | | |
| | , | 8 (| | (| | | | | | | |
| | This secti | ion con | sists | of 3 Oue | - | | - | Each Ou | estion Carrie | s 4 | |
| | Marks | | 101000 | , oi 0 Que | | 5 (11 0 | 0 10,. 1 | Juon Qu | cotton curre | 51 | |
| L 1. | Consider t | the follo | wing | table Stu | dent: | | | | | | |
| | | | | | TABL | E: STU | DENT | | | | |
| | RollNo | Name C | Class | DOB | Gender | City | Marks | | | | |
| | 1 | Nanda | Х | 06-06-1995 | М | Agra | 551 | | | | |
| | 2 | Saurabh | XII | 07-05-1993 | М | Mumbai | 462 | | | | |
| | 3 | Sanal | XI | 06-05-1994 | F | Delhi | 400 | | | | |
| | | | | | | | | | | | |
| | 4 | Trisla | XII | 08-08-1995 | F | Mumbai | 450 | | | | |
| | 5 | Store | XII | 08-10-1995 | М | Delhi | 369 | | | | |
| | | | | | - | | | | | | |
| | 5 6 7 8 | Store Marisla Neha Nishant | XII XI X X | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 | M F F M | Delhi Dubai Moscow Moscow | 369 250 377 489 | the table | : STUDENT | | |
| | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp | Store Marisla Neha Nishant Jay the name o olay Clas play hig | XII XI X S for reco of the ss, D ghest | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. pob and Ci marks sco | M F F which table | Delhi Dubai Moscow Are bas student ose mai | 369 250 377 489 sed on a t in des rks is b ch city a | scending between 4 along wi | e: STUDENT ; alphabetical 450 and 551. th the city name n class which | me. | |
| | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp | Store Marisla Neha Nishant Jay the name o olay Clas play hig splay cl | XII XI X S for reco of the ss, D ghest | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. pob and Ci marks sco | M F F which table | Delhi Dubai Moscow Are bas student ose mai | 369 250 377 489 sed on a t in des rks is b ch city a | scending between 4 along wi | alphabetical 450 and 551. th the city nat | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than | Store Marisla Neha Nishant , queries Ilay the name o olay Clas play hig splay cl 3. | XII XI X S for reco of the ss, D ghest lass | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), w rds from f student. ob and Ci marks sco and total | M F F which table ity wh ored f numb | Delhi Dubai Moscow Are bas student ose mai rom eac | 369 250 377 489 sed on t in des rks is b ch city tudents | scending between 4 along wi s in each | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di | Store Marisla Neha Nishant Jay the name o olay Clas play hig splay cl 3. IT stude | XII XI X S for reco of the ss, D ghest lass | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. ob and Ci marks sce and total | M F F which table ity wh ored f numb | Delhi Dubai Moscow Are bas student ose mai rom eac | 369 250 377 489 sed on t in des rks is b ch city tudents | scending between 4 along wi s in each | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than Ratna an | Store Marisla Neha Nishant , queries Ilay the name o olay Clas play hig splay cl 3. IT stude | XII XI X S for reco of the ss, D ghest lass | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. ob and Ci marks sce and total | M F F which table ity wh ored f numb | Delhi Dubai Moscow Are bas student ose mai rom eac | 369 250 377 489 sed on t in des rks is b ch city tudents | scending between 4 along wi s in each | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than Ratna an queries.He | Store Marisla Neha Nishant , queries Ilay the name o olay Clas play hig splay cl 3. IT stude | XII XI X S for reco of the ss, D ghest lass ent is find t | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. ob and Ci marks sce and total | M F F which table ity wh ored f numb l abou | Delhi Dubai Moscow Are bas student ose mai rom eac | 369 250 377 489 sed on t in des rks is b ch city tudents | scending between 4 along wi s in each | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than Ratna an queries.He Table: foo Scode S1001 | Store Marisla Neha Nishant a queries alay the name o alay Clas play hig splay cl 3. IT stude elp her f od | XII XI X S for reco of the ss, D ghest lass ent is find t | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. bob and Ci marks sco and total s confused the output sname britanr | M F F which table ity wh ored f numb l abou ts : | Delhi Dubai Moscow Are bas student ose mat rom eac per of s t findin City Cochir | 369 250 377 489 sed on a t in des rks is b ch city a tudents ng the o | scending etween along wi s in each utputs c | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than Ratna an T queries.He Table: foo Scode S1001 S1002 | Store Marisla Neha Nishant , queries Ilay the name o olay Clas play hig splay cl 3. IT stude elp her f od pnam bread jam | XII XI X S for reco of the ss, D ghest lass find t | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), was from a student. rob and Ci marks scalar total and total s confused che output sname britanr kissan | M F F which table ity wh ored f numb l abou ts : | Delhi Dubai Moscow Are bas student ose mai rom eac per of s at findin City Cochir Trivan | 369 250 377 489 sed on a t in des rks is b ch city a tudents ng the o | etween 4 along wi s in each utputs c 50 40 | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than Ratna an queries.He Stool Stool Stool Stool Stool Stool Stool | Store Marisla Neha Nishant A queries A queries | XII XI X S for reco of the ss, D ghest lass find t | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. bob and Ci marks sco and total s confused the output sname britanr kissan nestle | M F F which table ity wh ored f numb l abou ts : | Delhi Dubai Moscow Are bas student ose mat rom eac per of s t findin City Cochir Trivan kollam | 369 250 377 489 sed on a t in des rks is b ch city a tudents ng the o | scending etween 4 along wi s in each utputs c 50 40 30 | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than Ratna an 1 queries.He Table: foo Scode S1001 S1002 S1003 S1004 | Store Marisla Neha Nishant , queries lay the name o olay Clas play hig splay cl 3. IT stude elp her f od pnam bread jam choco Cake | XII XI X x s for reco of the ss, D ghest lass find t e e tiste | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. ob and Ci marks sco and total sconfused che output sname britanr kissan nestle britanr | M F F which table ity wh ored f numb l abou ts : | Delhi Dubai Moscow Are bas student ose mai rom eac per of s t findin City Cochir Trivan kollam Thriss | 369 250 377 489 sed on a t in des rks is b ch city a tudents tudents | etween 4 along wi s in each utputs c 50 40 30 20 | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than 4 Ratna an 5 queries.He Scode S1001 S1002 S1003 S1004 S1005 | Store Marisla Neha Nishant A queries A queries | XII XI X x s for reco of the ss, D ghest lass find t e ent is find t | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. vob and Ci marks sco and total sconfused che output sname britanr kissan nestle britanr amul | M F F which table ity wh ored f numb l abou ts : | Delhi Dubai Moscow Are bas student ose mat rom eac oer of s t findin City Cochir Trivan kollam Thriss Trivan | 369 250 377 489 sed on a t in des rks is b ch city a tudents tudents | scending etween 4 along wi s in each utputs c 50 40 30 20 40 | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than Ratna an 1 queries.He Table: foo Scode S1001 S1002 S1004 S1005 S1006 | Store Marisla Neha Nishant , queries Ilay the name o olay Clas play hig splay cl 3. IT stude elp her f od pnam bread jam choco Cake | XII XI X x s for reco of the ss, D ghest lass find t e ent is find t | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. ob and Ci marks sco and total sconfused che output sname britanr kissan nestle britanr | M F F which table ity wh ored f numb l abou ts : | Delhi Dubai Moscow Are bas student ose mai rom eac per of s t findin City Cochir Trivan kollam Thriss Trivan NULL | 369 250 377 489 sed on a t in des rks is b ch city a tudents tudents ng the o | etween 4 along wi s in each utputs c 50 40 30 20 | alphabetical 450 and 551. th the city nat n class which | me. | |
| 12. | 5 6 7 8 Write SQL (i) To disp per the (ii) To disp (iii) To disp (iv) To di than 4 Ratna an 5 queries.He Scode S1001 S1002 S1003 S1004 S1005 | Store Marisla Neha Nishant A queries A queries | XII XI X x s for reco of the ss, D ghest lass find t e ent is find t e | 08-10-1995 12-12-1994 08-12-1995 12-06-1995 (i) to (iv), v rds from student. vob and Ci marks sco and total sconfused che output sname britanr kissan nestle britanr amul | M F F which table ity wh ored f numb l abou ts : | Delhi Dubai Moscow Are bas student ose mat rom eac oer of s t findin City Cochir Trivan kollam Thriss Trivan | 369 250 377 489 sed on a t in des rks is b ch city a tudents ag the o | scending etween 4 along wi s in each utputs c 50 40 30 20 40 | alphabetical 450 and 551. th the city nat n class which | me. | |

| (d) selec | et count(distinct(sname)) from food; |
|---|--|
| | (OR) |
| | on the above given table named 'FOOD', Hemanth has executed the g queries: |
| i. Select | t pname from food where pname like '%o%'; |
| ii. Selec | ct pname from food where pname like '_a%'; |
| | the output of the above given query. Also give proper justifications of the generated through each query. |
| A compa | any in Cyntel Enterprises has 4 departments of buildings as: |
| | Research Back Office |
| | Corporate Office Developer Unit |
| | |
| Center | to center distances between various Buildings: |
| | to center distances between various Buildings: h to Back Office - 50m |
| Researc | |
| Researc Back Of | h to Back Office - 50m |
| Research Back Of Develope | h to Back Office - 50m ffice to Developer Unit - 60m |
| Research Back Of Develope Corpora | th to Back Office - 50m ffice to Developer Unit - 60m her Unit to Corporate Office - 25m |
| Research Back Of Develope Corpora Research | th to Back Office - 50m ffice to Developer Unit - 60m for Unit to Corporate Office - 25m fite Office to Research - 170m |
| Research Back Of Develope Corpora Research Back Of | th to Back Office - 50m ffice to Developer Unit - 60m ther Unit to Corporate Office - 25m the Office to Research - 170m th to Developer Unit - 125m |
| Research Back Of Develope Corpora Research Back Of Number | ch to Back Office - 50m ffice to Developer Unit - 60m er Unit to Corporate Office - 25m ate Office to Research - 170m ch to Developer Unit - 125m ffice to Corporate - 90m |
| Research Back Of Develope Corpora Research Back Of Number | th to Back Office - 50m ffice to Developer Unit - 60m er Unit to Corporate Office - 25m ate Office to Research - 170m th to Developer Unit - 125m ffice to Corporate - 90m r of computers in each of the department: ffice - 150 Developer Unit - 15 |
| Research Back Of Develope Corpora Research Back Of Number Back Of Research | th to Back Office - 50m ffice to Developer Unit - 60m er Unit to Corporate Office - 25m ate Office to Research - 170m th to Developer Unit - 125m ffice to Corporate - 90m r of computers in each of the department: ffice - 150 Developer Unit - 15 |
| Research Back Of Develope Corpora Research Back Of Back Of Research Comput | th to Back Office - 50m ffice to Developer Unit - 60m er Unit to Corporate Office - 25m ate Office to Research - 170m th to Developer Unit - 125m ffice to Corporate - 90m r of computers in each of the department: ffice - 150 Developer Unit - 15 th -15 Corporate Office - 25 |
| Research Back Of Develope Corpora Research Back Of Research Comput Network | th to Back Office - 50m ffice to Developer Unit - 60m er Unit to Corporate Office - 25m the Office to Research - 170m th to Developer Unit - 125m ffice to Corporate - 90m r of computers in each of the department: ffice - 150 Developer Unit - 15 th -15 Corporate Office - 25 ters in each department are networked but departments are not |
| Research Back Of Develope Corpora Research Back Of Number Back Of Research Comput Network i. Sugge ii. Sugge | th to Back Office - 50m ffice to Developer Unit - 60m ter Unit to Corporate Office - 25m the Office to Research - 170m th to Developer Unit - 125m ffice to Corporate - 90m r of computers in each of the department: ffice - 150 Developer Unit - 15 th -15 Corporate Office - 25 ters in each department are networked but departments are not sed The company has now decided to connect the departments also. ters a most suitable cable layout for the above connections. |
| Research Back Of Develope Corpora Research Back Of Number Back Of Research Comput Network i. Sugge ii. Sugge depa | The to Back Office - 50m ffice to Developer Unit - 60m eer Unit to Corporate Office - 25m ate Office to Research - 170m the to Developer Unit - 125m ffice to Corporate - 90m r of computers in each of the department: ffice - 150 Developer Unit - 15 th -15 Corporate Office - 25 ters in each department are networked but departments are not teed The company has now decided to connect the departments also. test a most suitable cable layout for the above connections. gest the most appropriate topology of the connection between the artments. |
| Research Back Of Develope Corpora Research Back Of Number Back Of Research Comput Network i. Sugge ii. Sugge depa | th to Back Office - 50m ffice to Developer Unit - 60m ther Unit to Corporate Office - 25m the Office to Research - 170m th to Developer Unit - 125m ffice to Corporate - 90m r of computers in each of the department: ffice - 150 Developer Unit - 15 th -15 Corporate Office - 25 ters in each department are networked but departments are not teed The company has now decided to connect the departments also. test a most suitable cable layout for the above connections. gest the most appropriate topology of the connection between the artments. gest the placement of the following devices with justification if the |
| Research Back Of Develope Corpora Research Back Of Number Back Of Research Comput Network i. Sugge ii. Sugge ii. Sugge depa iii. Sugg com | The to Back Office - 50m ffice to Developer Unit - 60m ther Unit to Corporate Office - 25m the Office to Research - 170m the to Developer Unit - 125m ffice to Corporate - 90m r of computers in each of the department: ffice - 150 Developer Unit - 15 th -15 Corporate Office - 25 ters in each department are networked but departments are not teed The company has now decided to connect the departments also. test a most suitable cable layout for the above connections. gest the most appropriate topology of the connection between the |