| Roll No. | 1 | 7 | 3 | 0 | 4 | |
|----------|---|---|---|---|---|--|

SESSION ENDING EXAMINATION 2018-19 **Subject: Informatics Practices**

Time: 3 hrs.] CLASS - XI [M.M.: 70

Instructions

- There are total 7 question divided into parts. Each question carry 10 marks
- There are internal choices in Q2(e)3(b)3(c),5(c) 6(b) and 6(c). You can attempt any one part of these (ii)
- Weightage of each question are given against it. (iii)

| Q.1 | Answer the questions | |
|-----|--|-----|
| (a) | Name the functional component of Computer States | |
| (b) | Both carculator alla complifer can porform and the | 1 |
| (c) | Both calculator and computer of computer System. can per but calculator cannot? Identify the reliable to computer of computer system. | 1 |
| (c) | Identify the valid and invalid identifiers | 2 |
| d) | MyDiary, 1num, File123, _Clear, Mynameisking, while, Your.story, If What is the function of Memory? What are a sixty of the control of the co | 12 |
| e) | | 2 |
| | What is the difference between Compiler and Intermed | 2 |
| 0 | what will be the output of the following code | 2 |
| | 1. type(34) | 12 |
| 2.0 | ii. print(10,20,30,sep='*',end='@') | 1 |
| Q.2 | Answer the questions | - |
| (a) | What is range() function? | 1 |
| b) | Write a Python script that will accept two integer value from the user and print the average of two number. | 1 |
| | number. | 2 |
| (c) | What is mutable and immutable data objects in Python? Name any one of each type | - |
| (d) | That is the difference between // and % operators? Evelsin | 2 |
| (e) | Write a program that will accept an integer value from the keyboard and check its divisibility by 4 | 2 |
| | The state of Not divisible | 3 |
| - | OR OR | - |
| | What is iteration/looping? Write a Python code to print numbers 1 to 10 using any iterative | + |
| 0.2 | | |
| Q.3 | Answer the questions | - |
| (a) | Write a program then will take a number from the key board and find its presence in the list [10, 20, 30, 40, 50, 60]. It will print "Available" or "Not available" | +- |
| - | - Transfer Transport of Not available | . 3 |
| (b) | The code print('1' * 4) will print 1 four times 1 1 1 1 | - |
| - | Using above string replication technique print the following pattern using any learn | 3 |
| | Hello | 1 |
| | Hello Hello | |
| | Hello Hello | 1 |
| | OR | - |
| | Write a Python program that accept Principal amount. Time in years and Back. | - |
| | user and find Simple Interest. | 1 |
| (c) | (i) How is dictionary different from other sequence types such as string, | |
| | tuple and list? | 4 |
| | (ii) List1=[13,18,16,16,13,18] | 1 |
| | Write the appropriate code to find the index number of 16 | 1 |
| | (iii) What will be the result of the following code? | 1 |
| | Str1="computer" | 1 |
| | print(Str1[0: 8 : 2] | 1 |
| | (iv) Write code to create an empty tuple. | 1 |
| | | 1 |
| | OR | 1 |

| | (i) | 441 | ice a runcu | on Digital | () that take two integer numbers and return the largest one. | | | | | |
|-----|--|--|---|-------------------------|--|---|--|--|--|--|
| 0.4 | (ii) What is pseudo code and decision tree? | | | | | | | | | |
| Q.4 | Answer the questions | | | | | | | | | |
| (a) | Name any two data structures of Panda? | | | | | | | | | |
| (b) | What is the Series.shape attribute? Write code to create following 2D Array and print its dimensions | | | | | | | | | |
| (c) | Write | code to 2 14 18 | create foll | owing 2D A | Array and print its difficultions | 2 | | | | |
| | | 2 27 40 | | | | | | | | |
| (d) | MAThat i | o Conica | Data Chan | cture? | | 1 | | | | |
| (e) | What | s head(| and tail(| function? | What is the default value for head() and tail() function? | 1 | | | | |
| f | List1= | [1,2,3,4] |] | | | 1 | | | | |
| - | Tint?- | List2=['a','b','c','d'] Write appropriate code to create an object of Series where List1 is index and List2 is data. | | | | | | | | |
| | Write | appropi | riate code | to create an | object of Series where List1 is index and List2 is data. | | | | | |
| 2.5 | Answe | er the q | uestions | | | | | | | |
| (a) | S. Street, Section 1 | A series obj1 stores following data | | | | | | | | |
| | Obj1 | | | | | | | | | |
| | A | | 10 | | | | | | | |
| | B 20 | | | | | | | | | |
| | C | | 30 | | | | | | | |
| | | will be t | | of the follow | wing command | | | | | |
| | (i) | Obj | | | | | | | | |
| | (ii) | | >15 | | | | | | | |
| b) | | s datafr | | | | 1 | | | | |
| :) | | | | owing Data | Frame? | 4 | | | | |
| -) | | | Name | o mig zam | | | | | | |
| | | | | | | | | | | |
| | | | Atul | | | | | | | |
| | 1 1 | | 1 102 Manish | | | | | | | |
| 4,1 | 2 103 Suresh | | | | | | | | | |
| | 2 1 | 03 | Suresh | | | | | | | |
| | Roll an | 03 S d Name | Suresh e are colun | nns and 0 1 | 2 are index | | | | | |
| | Roll an | d Name | e are colun | | 2 are index OR | | | | | |
| | Roll an | d Name | e are colun | | OR | | | | | |
| | Roll an | d Name | e are colun | | 2 are index OR ames named df1 and df2 | | | | | |
| | Roll an | er the f | e are colum | wo data fra | OR | | | | | |
| | Roll an | er the f | e are colum ollowing t | wo data fra | OR | | | | | |
| | Roll an | er the f | ollowing t | cwo data fra | OR | | | | | |
| | Roll an | er the f | e are colum ollowing t | wo data fra | OR | | | | | |
| | Roll and Consider df1 | er the f | ollowing t | cwo data fra | OR | | | | | |
| | Roll and Consider df1 | er the f | e are columnollowing to B 20 10 | cwo data fra C 30 15 | OR | | | | | |
| | Conside df1 0 1 2 | er the f | e are columnollowing to B 20 10 | cwo data fra C 30 15 | OR | | | | | |
| | Roll and Consider df1 | er the f | B 20 10 4 | C 30 15 6 | OR | | | | | |
| | Conside df1 0 1 2 | er the f | B 20 10 4 | C 30 15 6 | OR | | | | | |
| | Conside df1 0 1 2 | er the f | B 20 10 4 | C 30 15 6 | OR | | | | | |
| | Roll and Consider df1 | er the f | B 20 10 4 | C 30 15 6 | OR | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 | C 30 15 6 | ames named df1 and df2 | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 | C 30 15 6 | ames named df1 and df2 | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 B 1 1 1 1 ne output of | C 30 15 6 | OR | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | C 30 15 6 | ames named df1 and df2 | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | C 30 15 6 | ames named df1 and df2 | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | C 30 15 6 | ames named df1 and df2 | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | C 30 15 6 | ames named df1 and df2 | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | C 30 15 6 | ames named df1 and df2 | | | | | |
| | Roll and Consider of the Consi | er the formal state of the | B 20 10 4 B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | C 30 15 6 | ames named df1 and df2 g binary operations to do the following | | | | | |

| Answer Write on i. A ii. A iii. A iii. To | the term CSV the following word answer Table is also Field with some part of the date of t | ver with the control of the control | d meaning i which is a two table | s called primary key we need to | of oth | | | |
|--|--|---|--|--|---|--|---|---|
| i. A ii. A iii. A iv. To A table S Rollno 1 2 3 1 | Table is also Field with s Field in you o get the dat TUDENT ha AdmN 1343 1432 | ver with the control of the control | meaning i which is two table owing stru RegNum | s called primary key we need to acture with | of oth | | | |
| i. A ii. A iii. A iv. To A table S Rollno 1 2 3 1 | Table is also Field with s Field in you o get the dat TUDENT ha AdmN 1343 1432 | o called pecial r table a from ve follo um | meaning i which is two table owing stru RegNum | s called primary key we need to acture with | of oth | | | |
| ii. A iii. A iv. To A table S Rollno 1 2 3 1 | Field with s Field in you o get the dat TUDENT ha AdmN 1343 1432 | pecial r table a from ve follo um | meaning is which is a two table owing struckers. | primary key we need to acture with | sample | | | |
| iii. A iv. To A table S Rollno 1 2 3 1 | Field in you o get the date TUDENT has AdmN 1343 1432 | r table a from ve follo um | which is two table owing stru RegNum | primary key we need to acture with | sample | | | |
| iv. To A table S Rollno 1 2 3 | TUDENT ha AdmN 1343 1432 | a from we follo um | two table owing stru RegNum | e we need to | sample | | | |
| iv. To A table S Rollno 1 2 3 | TUDENT ha AdmN 1343 1432 | a from we follo um | two table owing stru RegNum | e we need to | sample | | | |
| A table S Rollno 1 2 3 | TUDENT ha | ve follo | owing stru RegNum | cture with | sample | e data | | |
| Rollno 1 2 3 1 | AdmN 1343 1432 | um | RegNum | | | e data | | |
| 1 2 3 1 | 1343 1432 | | | Aadhar | | | 1 == | |
| 2 3 1 | 1432 | | DIMMI | 0 | - | ame | Class | |
| 3 | | | | 344443 | | inesh | XI | |
| 1 | 4.5/1 | | R1002 | 676765 | | ajesh | XI | |
| | | - | R1003 | 323276 | | lohan | XI | |
| | 7676 1354 | | R1004 R1005 | 645112 548989 | | ajesh | X | |
| (i) | | | 22 A C PRI 43 ACC | /keys of the | | arita | Λ | |
| | | | | | | have? | | |
| (11) | 110 W III dil | , | ary neys (| | | | | |
| Write SO | L command | to cre | ate the str | | | able. You | ı can select | appropriate datatype |
| | | | | | | | | |
| | | | | ARTMENT | | | | |
| TEACHER | | | | | | | | |
| Tcode | Tname | Desg | | | | - | | |
| 101 | Sangeeta | | - | | | | | |
| 102 | Sunita | TGT | | | | | | |
| 103 | Mohanraj | | | | | | | |
| 104 | | | | | | - | | |
| 105 | | | - | | | - | | |
| 106 | Geetanjali | | | | | | | |
| 107 | Suresh | | | | | - | | |
| 108 | Vinita | | | | | - | | |
| 109 | Madhu | PGT | | | | _ | | |
| 110 | Vinod | TGT | 50000 | GAME | 50 | IVI | | |
| | MENT | | | | | | | |
| DEDAD | DEPARTMENT | | | | ADD | RESS | | |
| | DEPT | | DNAME | | | | | |
| | | | SCIENCE | | BIKA | NER | | |
| | DEPT | | | | BIKA | NER | | |
| | DEPT 10 | | SCIENCE COMMERC ART | E | BIKA JAIF JODH | NER PUR IPUR | | |
| | 10 20 | | SCIENCE COMMERC | E | BIKA | NER PUR IPUR TA | | |
| | Teacher 101 102 103 104 105 106 107 108 109 | Write SQL command and size of the fields consider the two table rEACHER Tcode Tname 101 Sangeeta 102 Sunita 103 Mohanraj 104 Shikha 105 MP Singh 106 Geetanjali 107 Suresh 108 Vinita 109 Madhu | Write SQL command to cream size of the fields of your consider the two table TEACHIFEACHER Tcode Tname Desg 101 Sangeeta PRT 102 Sunita TGT 103 Mohanraj PGT 104 Shikha PGT 105 MP Singh PGT 106 Geetanjali PGT 107 Suresh PRT 108 Vinita TGT 109 Madhu PGT | Write SQL command to create the strand size of the fields of your choice consider the two table TEACHER and DEPARENCE Transport TEACHER Transport | Write SQL command to create the structure of all and size of the fields of your choice consider the two table TEACHER and DEPARTMENT TEACHER Trace Tode Tome Desg Tsalary Subject 101 Sangeeta PRT 40000 NULL 102 Sunita TGT 47000 ART 103 Mohanraj PGT 51310 Chemistry 104 Shikha PGT 55000 Chemistry 105 MP Singh PGT 40000 Physics 106 Geetanjali PGT 47000 Physics 107 Suresh PRT 30000 NULL 108 Vinita TGT 25000 English 109 Madhu PGT 60000 English | Write SQL command to create the structure of above to and size of the fields of your choice consider the two table TEACHER and DEPARTMENT TEACHER Trace Tode Tome Desg Tsalary Subject Dno 101 Sangeeta PRT 40000 NULL 10 102 Sunita TGT 47000 ART 20 103 Mohanraj PGT 51310 Chemistry 40 104 Shikha PGT 55000 Chemistry 40 105 MP Singh PGT 400Q0 Physics 40 106 Geetanjali PGT 47000 Physics 40 107 Suresh PRT 30000 NULL 10 108 Vinita TGT 25000 English 30 109 Madhu PGT 60000 English 30 | Write SQL command to create the structure of above table. You and size of the fields of your choice consider the two table TEACHER and DEPARTMENT TEACHER Trace Tode Tome Desg Tsalary Subject Domo Sex 101 Sangeeta PRT 40000 NULL 10 F 102 Sunita TGT 47000 ART 20 F 103 Mohanraj PGT 51310 Chemistry 40 M 104 Shikha PGT 55000 Chemistry 40 F 105 MP Singh PGT 400Q0 Physics 40 M 106 Geetanjali PGT 47000 Physics 40 F 107 Suresh PRT 30000 NULL 10 M 108 Vinita TGT 25000 English 30 F 109 Madhu PGT 60000 English 30 M | Write SQL command to create the structure of above table. You can select and size of the fields of your choice Consider the two table TEACHER and DEPARTMENT TEACHER Trode Tname Desg Tsalary Subject Dno Sex 101 Sangeeta PRT 40000 NULL 10 F 102 Sunita TGT 47000 ART 20 F 103 Mohanraj PGT 51310 Chemistry 40 M 104 Shikha PGT 55000 Chemistry 40 F 105 MP Singh PGT 40000 Physics 40 M 106 Geetanjali PGT 47000 Physics 40 F 107 Suresh PRT 30000 NULL 10 M 108 Vinita TGT 25000 English 30 F 109 Madhu PGT 60000 English 30 M |

| | (ii) Write appropriate Alter command ADD a new field Remark varchar (20) in TEACHER table. | 1 |
|-----|---|---|
| | | |
| 1 | - La communità to delete un auta oi - | |
| | (iv) Which command display the structure of a table | |
| (d) | What will be the output of following SQL queries? | |
| - | Select Tcode, Tname, Dno, DNAME, ADDRESS FROM TEACHER, DEPARTMENT | 1 |
| - | WHERE DEPARTMENT.DEPT=TEACHER.Dno and Dno=20 | 2 |
| Q.7 | Answer the questions | + |
| (a) | Find the appropriate meaning of ANY FOUR statements from the given options | 2 |
| 1 | (Virus, Worm, Trojan, Adware, Spamming, Fishing, Bullying, Cookies, Spyware, Eavesdropping) | 4 |
| 100 | (i) A site that attempt to read your username and password. | |
| 1 | (ii) Your computer started malfunctioning like some programs are not working. | |
| | (iii) A small file created in clients computer when a user visit a Website | |
| | (iv) Unauthorized monitoring of others communication | |
| | (v) Harassing, embarrassing, threatening someone over Internet or phone | |
| | (vi) Bulk of emails sent by the unknown sender | |
| (b) | What is Cyber Crime? Discuss any 4 act of cyber crime | 2 |
| (c) | What is Private Browsing? Why it is called safe browsing? | 1 |
| (d) | What major precautions will you take to protect your system from various threats | 2 |
| (e) | Consider the Following conversation and answer the question | - |
| 1 | Person 1:- What's your name? | |
| | Person 2:- Radha | |
| 100 | Person 1:- What is the name of your first school? | |
| | Person 2 :- Army Public School | |
| 1 | Person 1:- What are your Father and Mother name? | |
| 1 | Person 2:- Krishna and Sarita | |
| 1 | Person 1 :- Who is your favorite actor or actress? | |
| 1 | Person 2 :- Amitabh | |
| 1 | Person 1:- What is the name of your pet animal? | |
| | Person 2 :- Tommy | |
| | Person 1 :- Where were you born and when? | |
| | Person 2:- Ajmer on 15 March 2002 | |
| | Person 1 :- May I use your Laptop for online banking for fees payment | |
| | Person 2 :- Sure | |
| | (i) Who may be Victim of Cyber Crime Person 1, Person 2 or both? Justify your answer | 1 |
| | I III WIIO IS HOUSE ELISCAL MACKING DECSON 10 Tracking A | |
| 1 | (iii) Person 2 was using Key Logger software in his computer. What is it? | 1 |
| | | |
| | | 1 |