Name: Enroln	nent No:		
	1	lester: V e: 03 Hours	
Course	e code: DSIT3004 Max SECTION A	. Marks: 100	~)
1.	Each question in section A is a multiple-choice question with four answer cho Read each question and choose the one best answer.	(20 Mark Dices. Marks	s) CO
i)	 Which of the following is not a Tableau Prep field data type: a) Number(Whole) b) String c) Boolean d) Float 	2	CO1
ii)	For creating variable size bin we use a) Sets b) Groups c) Calculated fields d) Table Calculations	2	C01
iii)	Missing data isn't really a problem if I'm just doing simple statistics, like chi-squand t-tests. a) True b) False	uares 2	CO1
iv)	Based on the data validation rule below, what will show up in the drop down list the cell?	0	CO1

v)	What is the file extension for tableau prep flow file:		
	a) .tde b) .tfd		
	,	2	CO1
	c) .tfl d) .tdf		
	d) .tdf		
vi)	In standardization, the features will be rescaled with		
	a) Mean 0 and Variance 0		
	b) Mean 0 and Variance 1	2	CO1
	c) Mean 1 and Variance 0		
	d) Mean 1 and Variance 1		
vii)	To remove noise and inconsistent data is needed.		
	a) Data Cleaning		
	b) Data Transformation	2	CO1
	c) Data Reduction		
	d) Data Integration		
viii)	Multiple data sources may be combined is called as		
	a) Data Reduction		
	b) Data Cleaning	2	CO1
	c) Data Integration	<i>L</i>	COI
	d) Data Transformation		
ix)			
	Examples of Ordinal scale can be:		
	a) ID Numbers, eye color, zip codes		
	b) Rankings, taste of potato chips, grades, height	2	CO1
	c) Calendar dates, temperatures in Celsius or Fahrenheit, phone numbers		
	d) D. Temperature in Kelvin, length, time, counts		
x)	Which of the following is true about outliers -		
)			
	a) Data points that deviate a lot from normal observations		
	b) Can reduce the accuracy of the model	2	CO1
	c) Both A and B		
	d) None		

	SECTION B	(20 Mar	ks)
These	section has 4 Questions of 5 marks each. e questions are short answer type. ne questions are compulsory.		
2.	Write Five useful spreadsheet file format for data storage.	5	CO2
3.	What are the three different uses of Calculated filed in tableau Prep.	5	CO2
4.	To validate few cells in excel for data entry what will be formula if condition is that each entry should be unique start with a fixed letter and length of the entry is 5.	5	CO2
5.	What is the uses of QQ plot in data preparation.	5	CO2
	SECTION-C	(30 Mar	·ks)
	section has 3 Questions of 10 marks each, out of which first 2 Questions are compulse tions 8 has internal choice to attempt any one. What is standard score transformation discuss with example.	ory.	CO3
7.	What is the use of Jarque-Bera Test. Discuss with example.	10	CO3
8.	What are different type of missingness. Discuss with example. OR What is the difference between case deletion technique and pairwise deletion techniques. Discuss with example.	10	CO3
	SECTION-D	(30 Mar	ks)
	section has 2 Questions of 15 marks each, out of which Question 9 is compulsory an nal choice to attempt any one.	d Questio	on 10 has
9.	For the given data set suggest and apply two methods for imputing the missing values and discuss the merit and demerit of the results obtained by the suggested methods.YX10814712 10 1068 9 97	15	CO4

145,125,1	170,155	,0,10	,210,2	,100,1	,						
					OR						
Using the at 5% Lev				y that th	ne follo	wing dat	a is norr	nally dis	stributed of	or not	
R	eturns		0	bserved	d Frequ	ency					
	% to -5%	6	_		22	.					
	to +5%				29						
	to +15°				27						1
		/0			37						
+15% (Given P	b to +25	5%	$,P(Z \leq$	1) =	12	$T, P(Z \leq$	2) = 0.	9773			15
	b to +25	5%			12 0.1587	$T, P(Z \leq ntion Table)$		9773			15
	b to +25	5%			12 0.1587	·		.025	.01		15
(Given P	$(Z \le 0)$	5%) = 0.5 .99 0.00	Chi-so .975 0.00	quare I .95 0.00	12 0.1587 Distribu .9 0.02	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ole .05 3.84	.025	6.63		15
(Given <i>P</i>	$(Z \le 0)$ $(Z \le 0)$ 0.00 0.01	(5%) = 0.5 (.99) (.00) (.02)	Chi-so .975 0.00 0.05	quare I .95 0.00 0.10	12 0.1587 Distribu <u>.9</u> 0.02 0.21	11100 Tal	01e 0.05 3.84 5.99	.025 5.02 7.38	6.63 9.21		15
(Given P	$(Z \le 0)$ $(Z \le 0)$ 0.00 0.01 0.07	(5%) = 0.5 (.975 0.00 0.05 0.22	.95 0.00 0.10 0.35	12 0.1587 Distribu .9 0.02 0.21 0.58	1 1 2.71 4.61 6.25	05 3.84 5.99 7.81	.025 5.02 7.38 9.35	6.63 9.21 11.34		15
(Given P	$(Z \le 0)$ $(Z \le 0)$ 0.00 0.01 0.07 0.21	$ \frac{.99}{0.00} $ $ \frac{.99}{0.00} $ $ 0.02 $ $ 0.11 $ $ 0.30 $.975 0.00 0.05 0.22 0.48	quare I .95 0.00 0.10 0.35 0.71	12 0.1587 Distribu .9 0.02 0.21 0.58 1.06	1 2.71 4.61 6.25 7.78	05 3.84 5.99 7.81 9.49	.025 5.02 7.38 9.35 11.14	6.63 9.21 11.34 13.28		15
(Given P	$(Z \le 0)$ $(Z \le 0)$ 0.00 0.01 0.07 0.21 0.41	(99) (99) (0.00) (0.02) (0.11) (0.30) (0.55)	.975 0.00 0.05 0.22 0.48 0.83	quare I .95 0.00 0.10 0.35 0.71 1.15	12 0.1587 Distribu .9 0.02 0.21 0.58 1.06 1.61	1 1 2.71 4.61 6.25 7.78 9.24	05 3.84 5.99 7.81 9.49 11.07	.025 5.02 7.38 9.35 11.14 12.83	6.63 9.21 11.34 13.28 15.09		15
(Given P d.f. 1 2 3 4 5 6	$(Z \le 0)$ $(Z \le 0)$ (0.00) (0.01) (0.07) (0.21) (0.41) (0.68)	$ \frac{.99}{0.00} $ $ \frac{.99}{0.00} $ $ 0.02 $ $ 0.11 $ $ 0.30 $ $ 0.55 $ $ 0.87 $.975 0.00 0.05 0.22 0.48 0.83 1.24	95 0.00 0.10 0.35 0.71 1.15 1.64	12 0.1587 Distribu .9 0.02 0.21 0.58 1.06 1.61 2.20	1 2.71 4.61 6.25 7.78 9.24 10.64	01e .05 3.84 5.99 7.81 9.49 11.07 12.59	.025 5.02 7.38 9.35 11.14 12.83 14.45	6.63 9.21 11.34 13.28 15.09 16.81		15
(Given P	$(Z \le 0)$ $(Z \le 0)$ (0.00) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.02) (0.01) (0.02) (0.01) (0.02) (0.01) (0.02) (0.02) (0.01) (0.02)	$ \frac{.99}{0.00} $ $ \frac{.99}{0.00} $ $ 0.02 $ $ 0.11 $ $ 0.30 $ $ 0.55 $ $ 0.87 $ $ 1.24 $.975 0.00 0.05 0.22 0.48 0.83 1.24 1.69	95 0.00 0.10 0.35 0.71 1.15 1.64 2.17	12 0.1587 Distribu .9 0.02 0.21 0.58 1.06 1.61 2.20 2.83	1 2.71 4.61 6.25 7.78 9.24 10.64 12.02	010 05 05 05 05 05 05 05 05 05 0	0.025 5.02 7.38 9.35 11.14 12.83 14.45 16.01	6.63 9.21 11.34 13.28 15.09 16.81 18.48		15
(Given P d.f. 1 2 3 4 5 6	$(Z \le 0)$ $(Z \le 0)$ (0.00) (0.01) (0.07) (0.21) (0.41) (0.68)	$ \frac{.99}{0.00} $ $ \frac{.99}{0.00} $ $ 0.02 $ $ 0.11 $ $ 0.30 $ $ 0.55 $ $ 0.87 $.975 0.00 0.05 0.22 0.48 0.83 1.24	95 0.00 0.10 0.35 0.71 1.15 1.64	12 0.1587 Distribu .9 0.02 0.21 0.58 1.06 1.61 2.20	1 2.71 4.61 6.25 7.78 9.24 10.64	01e .05 3.84 5.99 7.81 9.49 11.07 12.59	.025 5.02 7.38 9.35 11.14 12.83 14.45	6.63 9.21 11.34 13.28 15.09 16.81		15