Seat No:	Enrollment No:
Jean 110	Lin onnent 110.

PARUL UNIVERSITY

FACULTY OF ARTS B.A Summer 2018-19 Examination

Semester:6 Date: 18/04/2019

Subject Code: 15101354 Time: 10:30am to 1:00pm

Subject Name: Basic Econometric methods Total Marks: 60

Instructions:

- All questions are compulsory.
 Figures to the right indicate full marks.
- 3. Make suitable assumptions wherever necessary.

Do as directed.	of 0.5 mode)
. Multiple choice type questions. (Each	
1.In testing of hypothesis how many ty	
(a) One	(c) Three
(b) Two	(d) None of the above
2. Auto correlation is maximum at	
(a) Unity	(c) Infinite point
(b) Origin	(d) None of the above
3.Auto correlation is a function of	() TD: 1100
(a) Time	(c) Time difference
(b) Frequency	(d) Frequency difference
4.Spectrogram is the graph plotted aga	
(a)Frequency domain	(c) frequency & time domain
(b)Time domain	(d) None of the above
5.Auto correlation function of white ne	
(a)Strong peak	(c) Infinite peak
(b)Weak peak	(d) None of the above
6.Auto correlation is a functi	on.
(a) Real & even	(c) Complex & even
(b) Real & odd	(d)Complex & odd
7. The range of the normal distribution	is
(a) 0 to n	(c) -1 to $+\infty$
(b) 0 to ∞	(d) $-\infty$ to $+\infty$
8.In normal curve the ordinate highest	
(a) Mean	(c) standard deviation
(b) Variance	(d) quartile deviation
9.In regression analysis there are	* * *
(a)1	(c) 3
(b)2	(d) None of the above
10. What is the shape of normal curve	• •
(a) bell - shaped	(c) both (a) and (b)
(b)straight line	(d) None of the above
11. Are mean, median, mode equal in n	· ·
(a) Yes	(c) both (a) & (b)
(a) Tes (b) No	(d) None of the above
` '	ility of success is denoted by symbol?
•	· · · · · · · · · · · · · · · · · · ·
(a)p	(c) q
(b)(r)	(d) None of the above
13. Which distribution is a example of	
(a)Binomial	(c)both (a) and (b)
(b)Normal	(d)None of the above
	ant role in making inferences regarding the value of the
population mean from the sample mea	
(a) Normal distribution(b) Binomial distribution	(c) Poisson distribution
	(d) None of the above

(a) biological and agricultural	(c) both (a) and(b)	
(b)prediction purpose	(d) None of the above	
16. The level of significance is conventionally cl		
(a) 0.05 or 0.01	(c) both (a) and (b)	
(b)0.5 or 0.1	(d) None of the above	
B. Terms/ Short notes/ Case study/ Charts/ Grap	ohs/ Tables, etc. (Each of 01 mark)	(07)
1. Define variable.		
2. Define independent variable.		
3. Define regression.		
4. What is distributed lag model?		
5. Write a general formula of normal distribution	1.	
6. Write the full form of OLS.		
7. Define econometrics.		
Q.2 Answer the following.		
A. Explain dummy variable.		(04)
B. Explain multiple regression.		(04)
C. Explain heteroscedasticity.		(04)
	OR	
C. Explain Binomial distribution.		(04)
Q.3 Answer the following.		(05)
A. Write a short note on problems of multicolinearity		
B. Use of F and t tests in testing various hypothesis.		
C. Explain OLS method		(05)
	OR	
C. Write a short note on properties of OLS estimat	ors	(05)
Q.4 Answer the following.		
A. Write a scope of econometrics		(06)
B. Write a short note on Hypothesis testing		(06)
C. Explain "Panel data regression model."		(06)
	OR	
C. Explain Type I and type II error.		(06)