Name:

**Enrolment No:** 



## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

## **Online End Term Examination, Dec 2020**

Course: Aviation Forecasting TechniquesSemester: IProgramme: MBA(Aviation Management)Time: 3 hrsMax. Marks: 100Course Code			005				
	SECTION A		005				
Each Question will carry 5 Marks							
S. No.		Marks	CO				
	Select the most appropriate	(5x6)					
Q 1.	Which of the following is not included in the sub-categry of quantitative met forecasting?	hod of	CO1				
	(a) Univariate forecasting						
	(b) Multivariate forecasting						
	(c) Market research forecasting						
	(d) Causal method or regression method		001				
	(e) Time series method		CO1				
Q 2.	Which of the following is not a basic step in forecasting method?						
	(a) Identification 0f problem						
	(b) Collection of Information						
	(c) Preliminary analysis						
	(d) Detailed analysis						
	(e) Evaluating of forecasting method		CO1				
Q 3.	Which of the following is a forecasting category?						
	(a) Simulation						
	(b) SPSS Package						
	(c) Controled experimentation						
	(d) Interview with subsection of population						

(e) Simple random sampling techniques

			COI
Q 4.	Which of the following is a long term planning?		
	(a) Airport personnel requirements		
	(b) Tower staffing requirements		
	(c) Airport master planning		
	(d) Identification peaking effect		
	(e) Identification of travel time sand delays		CO1
Q 5.	Write full form of the following in the context of forecasting $(5x1=5)$		
	(a) DMA		
	(b) DES		
	(c) TES		
	(d) CUSUM		
	(e) ARIMA		
Q 6.	Write full form of the following in the context of forecasting (5x1=5) (a) RRMS		COI
	(b) MAPE		
	(c) MAE		
	(d) MAD		
	(e) MSE		
	SECTION B		
	Each question will carry 10 marks	(10x5)	
Q 7.	Discuss the relationship between forecasting, planning and decision-making.		CO
Q 8.	Discuss market share method of forecasting.		CO
	Discuss airline market factors, including fares, flight frequency, and schedules		
Q 9.	Discuss airline market factors, including fares, flight frequency, and schedules		CO
	Discuss airline market factors, including fares, flight frequency, and schedules   Discuss role of infrastructure constraints and improvements in demand forecasting		

Q 11.	Discuss relative root mean square error.		
			CO3
	SECTION-C		
	Question 12 carries 20 Marks (Each par carries 4 marks)	(5x4)	
Q 12.	Explain the following with formula (5x4)		
	i. Mean percentage error.		
	ii. Mean absolute percentage error.		
	iii. Root mean square error.		CO4
	iv. Mean absolute error or deviation.		C04
	v. Mean square error.		