

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, April/May 2018**

**Program: M. Plan Spz. Urban & Regional Planning**  
**Course: Traffic Engineering**  
**Course Code : MPLO 702**

**Semester: II**  
**Max. Marks: 100**  
**Duration: 03 hrs.**

**No. of Pages: 2**

**SECTION A**

S. No.		Marks	CO
Q 1	Define various type of road intersections.	4	
Q 2	What do you understand by Non-Motorized Transportation?	4	
Q 3	Discuss the various type of 'Traffic Volume Studies'.	4	
Q 4	What is MRTS?	4	
Q 5	Define the role of Roundabouts in traffic management.	4	

**SECTION B**

Q 6	What are 'Traffic Island'? Discuss with neat sketches.	10	
Q 7	Write a short note on 'Urban Parking' systems.	10	
Q 8	'Transit Oriented Development' is a key to develop dense and self-sufficient centers in urban areas, Discuss.	10	
Q 9	Write a short not on <b>any ONE</b> of the following:	10	
	Pedestrianization is one of the ways to de-congest commercial stretches. Discuss.		
	OR		
	One Way traffic system helps in reducing the traffic volume on urban roads. Discuss.		

**SECTION-C**

Q 10	Poor Image of Public Transport is a big hurdle in improving urban transportation system. Discuss and support your answer with relevant examples.	20	
Q 11	Briefly explain any <b>ONE</b> of the following statements for Urban Housing:	20	
	Design and functioning of BRTS system, which makes it a best solution to resolve urban traffic.		
	OR		
	Role of ITS in effective urban transportation system. Support your answer with a relevant example.		