Name:
Enrolment No:

# UNIVERSITY OF PETROLEUM \& ENERGY STUDIES 

Final End Semester Examination (Online) December, 2021
Program: MBA International Business
Semester: III
Subject/Course: Econometrics
Course Code: ECON8001

Max. Marks: 100
Duration: 3 Hours

## IMPORTANT INSTRUCTIONS

1. The student must write his/her name and enrolment no. in the space designated above.
2. The questions have to be answered in this MS Word document.

| Q.no | Section A ( MCQs. 2 marks each) | Marks | COs |
| :---: | :---: | :---: | :---: |
| 1. | A Type I error is <br> a) failing to reject the null when it is false <br> b) rejecting the null when it is true <br> c) both of the above <br> d) none of the above | 2 | CO1 |
| 2. | Hypothesis testing is based on <br> a) minimizing the type I error <br> b) minimizing the type II error <br> c) minimizing the sum of type I and type II errors <br> d) none of these | 2 | CO1 |
| 3. | Other things equal, when the sample size increases the power curve <br> a) flattens out <br> b) becomes steeper <br> c) is unaffected | 2 | CO1 |
| 4. | The $p$ value is <br> a) the power <br> b) one minus the power <br> c) the type II error <br> d) none of the above | 2 | CO1 |
| 5. | The terminology ceteris paribus means <br> a) all else equal <br> b) changing everything else by the amount by which they usually change <br> c) changing everything else by equal amounts <br> d) none of the above | 2 | CO1 |
| 6. | Maximizing R-square creates <br> a) a better fit than minimizing the sum of squared errors <br> b) an equivalent fit to minimizing the sum of squared errors <br> c) a worse fit than minimizing the sum of squared errors | 2 | CO1 |
| 7. | The popularity of OLS is due to the fact that it <br> a) minimizes the sum of squared errors <br> b) maximizes R - Square <br> c) creates the best fit to the data | 2 | CO1 |



|  | Qtr 3, 2002 5,38000 93,000 <br> $Q \operatorname{tr} 4,2002$ 5,41000 98,000 <br> a)Analyze the cause and effect relationship between the two variables <br> using suitable method.   <br> b)Find the number of data points that can be used for a study that <br> involves predicting the impact of advertising on sales.   |  |
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