Ex/PG/ECO/402/2022

Masterr of Arts Examination, 2022

(2nd Year, 4th Semester)

ECONOMICS

Advanced Econometrics II

Time : Two hours | Full Marks : 30

Answer any three questions

1. (a) Distinguish between Structural VAR and reduced form VAR.

   (b) Why it is essential to carry out Identification of a VAR model? How do you solve the identification problem for such VAR model? **[5+5 = 10]**

2. Explain Johansen methodology for finding out co integration among the variables using VAR approach. **[10]**

3. (a) Explain Granger Representation Theorem

   (b) How do you estimate impulse response function for VAR model?

   [5+5 = 10]

4 (a) Distinguish between semi-parametric and non-parametric estimation method.

(b) In this context explain Kernel Density estimation. [**4+6= 10]**

Write a short note (any two)**[5+5= 10]**

5.(a)Granger Causality test

(b)ARCH Model

(c)Variance decomposition method

(d) Test for restrictions in VAR model