

KING'S COLLEGE LONDON
INSTITUTE OF PSYCHIATRY
MSc NEUROSCIENCE EXAMINATION
12th March 2014 at 14.00-16.30pm
Addiction Biology
B2 WRITTEN EXAMINATION

Answer FOUR questions only

1. Evaluate the evidence that stress contributes to the development of alcohol dependence.
2. Discuss the factors that might affect the pharmacodynamic response to methadone.
3. Discuss 5 factors that you feel are among the most important moderators of the relationship between breath alcohol concentration and cognitive-behavioural performance in the context of driving a motor vehicle.
4. Discuss the evidence that cannabis use during adolescence is harmful.
5. Describe the process and rationale of point of collection drug testing, and compare and contrast key biological matrices used in such testing.
6. Discuss how genetic and environmental influences may interact to determine an individual's risk of developing an addiction disorder.
7. Discuss and critically appraise the risks associated with alcohol use during pregnancy.
8. Describe and critically appraise the role of neuroimaging research in the current conceptualisation of addiction.