

UNIVERSITY OF LONDON
MSc NEUROSCIENCE EXAMINATION
INSTITUTE OF PSYCHIATRY
King's College London
4th March 2013 at 13.30-16.00pm
fMRI and Tractography
B6 WRITTEN EXAMINATION

Answer **FOUR** questions only

1. What is a disconnection syndrome?
2. Describe the limbic system and its functional divisions.
3. Identify the major networks underlying language.
4. What are the major disorders of the limbic system?
5. Explain what is diffusion tensor imaging tractography.
6. Comment on the relationship between lateralization of language, visuospatial processing and underlying networks in the left and right hemisphere.
7. Describe possible biological correlates of fractional anisotropy and perpendicular diffusivity.
8. What are the major visual pathways of the human brain?