

**PG Degree Supplementary Examinations in Psychiatry (MD)**  
**November 2022**

**Paper I – Basic Sciences Applied to Psychiatry, Clinical Psychology & Sociology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. Briefly discuss the anatomy of basal ganglia. Discuss its relevance to psychiatry

**Short Essays:**

**(8x10=80)**

2. Operant conditioning
3. Erikson's theory of stages of psychosocial development
4. Neuropeptides and their relevance to psychiatry
5. Endocannabinoids
6. Types of reliability in the use of scales
7. Genome wide association studies and relevance to psychiatry
8. Chi squared test
9. Transference and countertransference

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