

M.D. (Psychiatry) : WINTER - 2018
**SUBJECT : PAPER – I : BASIC SCIENCE APPLIED TO PSYCHIATRY, CLINICAL
PSYCHOLOGY AND SOCIOLOGY**

Day : Saturday
Date : 01/12/2018

Time : 2.00 P.M. TO 5.00 P.M
Max. Marks : 100

W-2018-3535

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

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- Q.1** Discuss the neurobiology of substance dependence. Describe pathways underlying drug reinforcement and relapse. **(15)**
- Q.2** Critically evaluate concepts and assessment of intelligence. **(15)**
- Write briefly on any **SEVEN** out of **EIGHT**:
- Q.3** Biomarkers in Psychiatry. **(10)**
- Q.4** Psychosocial deprivation. **(10)**
- Q.5** Mature defence mechanisms. **(10)**
- Q.6** Describe in brief humanistic theory of personality. **(10)**
- Q.7** Define epigenetics. Discuss epigenetic mechanisms. **(10)**
- Q.8** Application of fMRI in Psychiatry. **(10)**
- Q.9** Role of Oxytocin in Psychiatry. **(10)**
- Q.10** Describe clinical tests of attention. **(10)**

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