

Total No. of Questions : 12]

[Total No. of Pages : 2

**P954**

**[3844] - 104**

**I - M.B.B.S.**

**PHYSIOLOGY**

**(Paper - II)**

*Time : 3 Hours]*

*[Max. Marks : 100*

*Instructions to the candidates:*

- 1) *Answer any five questions from each section.*
- 2) *Answers to the two sections should be written in separate answer books.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *All questions carry equal marks.*

**SECTION - I**

- Q1)** Describe the connections and functions of basal ganglia. Add a note on Parkinson's disease. **[10]**
- Q2)** Define and classify synapses. Describe four properties of synapse. **[10]**
- Q3)** Enumerate errors of refraction. Describe any one in detail. **[10]**
- Q4)** Describe the auditory pathway. Add a note on nerve deafness. **[10]**
- Q5)** Write notes on: **[10]**
- a) Taste bud.
  - b) Aphasia.
- Q6)** Write notes on: **[10]**
- a) Conditioned reflex.
  - b) Babinski's sign.

**P.T.O.**

**SECTION - II**

- Q7)** Enumerate phases of gastric juice secretion. Describe their regulation. **[10]**
- Q8)** Explain stages of spermatogenesis. Describe their regulation. **[10]**
- Q9)** Enumerate hormones of anterior pituitary gland. Describe Physiological actions of growth hormone. **[10]**
- Q10)** Describe the hormonal control of menstrual cycle. **[10]**
- Q11)** Write notes on: **[10]**  
a) Pregnancy tests.  
b) Specific dynamic action.
- Q12)** Write notes on: **[10]**  
a) Peristalsis.  
b) Functions of saliva.

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