

**BA-3703****First M. B. B. S. Examination**

November/December - 2017

Physiology : Paper - IITime : $2\frac{1}{2}$ Hours]

[Total Marks : 50

Instruction :

BA-3703 : First M. B. B. S. Examination. Fillup strictly the details of signs on your answer book.		Seat No. : <table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>					
Name of the Examination :		<table border="1"><tr><td colspan="2">Student's Signature</td></tr></table>	Student's Signature				
Student's Signature							
First M. B. B. S.							
Name of the Subject :							
Physiology : Paper - II							
Subject Code No. : <table border="1"><tr><td>3</td><td>7</td><td>0</td><td>3</td></tr></table>	3	7	0	3	Section No. (1, 2, ...) : <table border="1"><tr><td>1&2</td></tr></table>	1&2	
3	7	0	3				
1&2							

SECTION - I

- 1 Describe the connections and functions of hypothalamus. 1×8=8
- 2 Write notes on : (any three out of four) 3×4=12
 - (a) Errors of refraction
 - (b) Applied Physiology of cerebellum
 - (c) Compare and contrast between REM and NREM sleep.
 - (d) Synthesis of Thyroid hormones.
- 3 Answer in short : (any five out of six) 5×1=5
 - (a) What is cause of Addison's disease ?
 - (b) Name any two extra-pyramidal tracts in CNS.
 - (c) What are the types of deafness ?
 - (d) What is cretinism ?
 - (e) What is effect of sympathetic system stimulation on eyes ?
 - (f) What is dark adaptation ?

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[Contd....



SECTION - II

- 4 Answer in short : (any four out of five) 4×2=8
- What is 'hypocalcemic tetany' ?
 - What is 'referred pain' ?
 - What is 'subliminal fringe' property of synapse ?
 - Compare and contrast between rods and cones.
 - What is 'attenuation reflex' ?
- 5 Write notes on : (any three out of four) 3×4=12
- Physiological Actions of Oxytocin.
 - Brown Squared Syndrome.
 - Functions of middle ear
 - Functions of placenta
- 6 Answer in 1-2 sentences : (any five out of six) 5×1=5
- What is 'safe period' method of contraception ?
 - What is function of Eustachian tube ?
 - Mainly which hormonal levels in blood increases prior to ovulation ?
 - Name any two sensations carried by Anterolateral spinothalamic tracts.
 - What is 'Ageusia' ?
 - According to Erlanger-Gasser classification of nerve fibers, which are the fastest conducting nerve fibers ?