

B.Sc. 3rd Semester (Honours) Examination, 2019-20**PHYSIOLOGY****Course ID : 32513****Course Code : SH/PHY/303/C-7(7)**

Course Title: Functions of the Nervous System

Time: 1 Hour 15 Minutes**Full Marks: 25**

*The figures in the right hand side margin indicate marks.
Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions: 1×5=5
- (a) What is E. E. G.?
 - (b) Mention the origin of Parasympathetic nervous system.
 - (c) What do you mean by extra pyramidal nerve tract?
 - (d) What is Parkinson's disease?
 - (e) Which nucleus is responsible as feeding centre? Mention its location.
 - (f) Define NREM sleep.
 - (g) Mention the reason of decerebrate rigidity.
 - (h) What is Primary motor cortex?
2. Answer *any two* questions: 5×2=10
- (a) Define reflex arc. State the function of different components of a reflex arc. 1+4=5
 - (b) Discuss the role of cerebellum in the regulation of posture and equilibrium. 5
 - (c) Write a short note on basal ganglia. 5
 - (d) What is unconditioned reflex? Describe the physiological basis of development of conditioned reflex. 1+4=5
3. Answer *any one* question: 10×1=10
- (a) Briefly discuss the origin, outflow and function of sympathetic nervous system. 2+4+4=10
 - (b) (i) Discuss the gate control theory of pain sensation.
 - (ii) Why is thalamus considered as relay station? 5+5=10