

Bio-Medical Laboratory Science and Management
MSc. Part-II Examination, 2007

CLINICAL NEUROLOGY AND PSYCHOPATHO-
PHYSIOLOGY

PAPER-XII/Unit-23

Full Marks : 50

Time : 2 hours

The figures.in the right hand margin indicate marks

*Candidates are required to give their answers in their
own words as far as practicable*

Illustrate the answers where ver necessary

UNIT 23

Answer Q. No. 1 and any *four* from the rest

1. Write short notes on (*any five* questions) : 2 x 5
- (a) Slow wave sleep
 - (b) Restless leg syndrome
 - (c) Nerve-tissue induction
 - (d) Psychogenic influence on disease

(e) **Mania**

(f) Tetany

(g) Nerve supply of heart

(h) Neuro-control of parathyroid gland.

2. (a) Define amenorrhoea.

(b) What is psychogenic amenorrhoea?

(c) Discuss the possible mechanism for the onset of psychogenic amenorrhoea. 2+3+5

3. (a) **What is erectile dysfunction?**

(b) Outline the neurogenic mechanism of erectile dysfunction.

(c) How psychogenic condition influence erectile dysfunction and vice versa'? 2+3+5

a) Discuss the neurobiological basis of hypothalamico-hypophyseal-adreno cortical axis hyperactivation.

(b) What are the pathophysiological outputs of such hyperactivation? 5+5

5. (a) **What are the manifestations of neurocardiac disease?**

(b) How they are caused?

(c) **Mention the process of counselling of such a patient ?** **3+4+3**

6. (a) **Define consciousness - somnolence.**

(b) **What is meant by sleep - rhythm reversal'?**

(c) **Describe the stages of coma.** **3+3+4,**

7. (a) **What is PNI'?**

(b) **Write the communication between neural system and immune system.**

(c) **Describe in brief the neural basis of epilepsy.** **3+4+3**