

Revision questions

Functions of the hypothalamus

Prof. N.M.Devanarayana

Question 1

1.1 List the main functions of the hypothalamus

1.2 Explain the role of hypothalamus in regulation of endocrine functions of the body

Question 2

2.1 State the normal oral temperature and core temperature

2.2 state how temperature vary under physiological conditions

2.3 Explain how body temperature is maintained constant despite changes in the environmental temperature

Question 3

Outline the causes, risk factors, signs and symptoms and management of

3.1 heat stroke in a soldier marching in hot sun for 12 hours

3.2 Pyrexia in a patients with upper respiratory tract infection

Question 4

4.1 Outline the short term and long term regulation of food intake

4.2 State of the role of the following in regulation of food intake

4.2.1 Hypothalamus

4.2.2 Intestinal peptides

4.2.3 Leptin

Question 5

Explain the role of hypothalamus in regulation of water intake