the route it travels
the speed of the effect and how long it lasts.
Compare these features in the hormonal system and the nervous system.
The quality of written communication will be assessed in your answer.
[6]
END OF QUESTION PAPER
LIND OF GOLOTION I AT LIX

The nervous system and hormonal system allow humans to respond to their environment.

Each system has special features. These include:

• the type of messenger

1.

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Question	Answer/Indicative content	Marks	Guidance
	Level 3 (5-6 marks) States several features of both systems and comparison is clear. Quality of written communication does not impede communication of the science at this level  Level 2 (3-4 marks) States some features of both systems Quality of written communication partly impedes communication of the science at this level  Level 1 (1-2 marks) States some features of either system. Quality of written communication impedes communication of the science at this level  Level 0 (0 marks) Insufficient or irrelevant science. Answer not worthy of credit	6	This question is targeted at grades up to E Indicative scientific points may include Nervous system features  • receptor/brain • electrical (impulses) • fast (response) • neurones • short lived (response)  Endocrine system features  • produced by a gland • chemical • slow response • (transported) in the blood • response lasts a long time  Example of comparison - 6 marks at level 3. The nervous system has a fast response whereas the hormonal system is slow. The nervous system uses neurones.  Allow any evidence of direct comparison e.g. use of "er" or but / whereas etc.  Examiner's Comments  Marks were readily available for comparisons between nervous and hormonal systems but many candidates were not able to make explicit comparisons so failed to score the highest marks. Some features of the two systems were credited at the lower levels. Weaker candidates referred to reflexes or emotions.
	Total	6	