

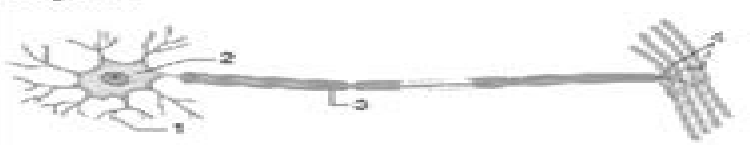


## YEAR 9 SCIENCE 2021

### Control & Regulation Topic Test

Name: \_\_\_\_\_ Score: \_\_\_\_\_ / 50 Grade: \_\_\_\_\_

#### Section A: Multiple Choice Questions (circle the most correct response) 20 marks

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. The structures that detect changes and receive stimuli are called :</p> <p>A. effectors<br/> <b>B. receptors</b><br/>         C. control centres<br/>         D. organs</p>                                                                                                                                                                                                                                                                                                                                                                                             | <p>6. The part of the nervous system that is responsible for body processes such as heart rate and breathing is the:</p> <p><b>A. autonomic nervous system</b><br/>         B. central nervous system<br/>         C. somatic nervous system<br/>         D. neurotransmitter system</p>                                |
| <p>2. The _____ in the back of the eye detect light and transform it into a nerve signal.</p> <p>A. nerves<br/>         B. iris<br/> <b>C. photoreceptors</b><br/>         D. cornea</p>                                                                                                                                                                                                                                                                                                                                                                                      | <p>7. Motor neurons:</p> <p>A. are fast and sensory neurons are slow.<br/>         B. carry messages to the CNS and to sensory neurons to the PNS.<br/> <b>C. carry messages from the CNS to effector organs such as muscles.</b><br/>         D. carry messages to the CNS from the effectors and sensory neurons.</p> |
| <p>3. The basic unit of the nervous system is the:</p> <p><b>A. neuron</b><br/>         B. nerve<br/>         C. brain<br/>         D. spinal cord</p>                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>8. The _____ lobe of the brain that processes sounds and smells.</p> <p>A. frontal<br/>         B. parietal<br/>         C. occipital<br/> <b>D. temporal</b></p>                                                                                                                                                    |
| <p>4. Which of the following statements about the neuron is correct?</p> <p>A. Dendrites take the nerve impulse away from the cell body and axons take the nerve impulse to the cell body.<br/>         B. Dendrites increase the speed of a nerve impulse and the cell body decreases the speed of a nerve impulse.<br/>         C. Dendrites decrease the speed of a nerve impulse and the cell body increases the speed of a nerve impulse.<br/> <b>D. Dendrites take the nerve impulse to the cell body and axons take the nerve impulse away from the cell body.</b></p> | <p>9. Identify the part of the neuron labelled 1 in the diagram.</p>  <p>A. axon<br/> <b>B. dendrite</b><br/>         C. synaptic terminal<br/>         D. cell body</p>                                                              |
| <p>5. You touch something very hot and burn your hand. The part of the nervous system that immediately sends the message to your muscles so that you move your hand is:</p> <p><b>A. the spinal cord</b><br/>         B. the cerebrum<br/>         C. the brain<br/>         D. an effector</p>                                                                                                                                                                                                                                                                               | <p>10. The hormone that prepares the body for the 'fight or flight' response' is:</p> <p>A. thyroid-stimulating hormone<br/>         B. calcitonin<br/> <b>C. adrenalin</b><br/>         D. melatonin</p>                                                                                                               |

# Year 9 Science Test Papers 2011

**Sandra K. Danziger, Sheldon Danziger**



## Year 9 Science Test Papers 2011:

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*Questions* Disha Experts, 2020-02-04      **Drawing for Science Education** Phyllis Katz, 2017-03-23 This book argues for the essential use of drawing as a tool for science teaching and learning The authors are working in schools universities and continual science learning CSL settings around the world They have written of their experiences using a variety of prompts to encourage people to take pen to paper and draw their thinking sometimes direct observation and in other instances their memories The result is a collection of research and essays that offer theory techniques outcomes and models for the reader Young children have provided evidence of the perceptions that they have accumulated from families and the media before they reach classrooms Secondary students describe their ideas of chemistry and physics Teacher educators use drawings to consider the progress of their undergraduates understanding of science teaching and even their moral ethical responses to teaching about climate change Museum visitors have drawn their understanding of the physics of how exhibit sounds are transmitted A physician explains how the history of drawing has been a critical tool to medical education and doctor patient communications Each chapter contains samples insights and where applicable analysis techniques The chapters in this book should be helpful to researchers and teachers alike across the teaching and learning continuum The sections are divided by the kinds of activities for which drawing has historically been used in science education An instance of observation Audubon Linnaeus A process how plants grow over time what happens when chemicals combine Conceptions of what science is and who does it Images of identity development in science teaching and learning      **The ANNALS of the American Academy**

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**Parliamentary Papers** Great Britain. Parliament. House of Commons,1902     **Political Science** ,2013     *OECD Territorial Reviews* *OECD Territorial Reviews: Skåne, Sweden 2012* Organisation for Economic Co-operation and Development,2012-07-03 The OECD Territorial Review of Skåne assesses the capacity of the third largest region in Sweden to compete for investment and talents in an increasingly globalised economy Skåne has long been one of the three major engines of national growth and it ranks among the top class research and technology hubs in the OECD but it needs to gain back the momentum it lost during the crisis The region's strong knowledge assets and demographic dynamism have not translated into corresponding gains in terms of productivity and skills The Review shows the way forward towards a smart healthy and inclusive region and calls for targeted policies to boost demand driven innovation make the most of its diversified pool of human capital and maintain a high quality environment to work and live in

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