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REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF EDUCATION

MOPANI EAST DISTRICT

GRADE 9

YEAR END CONTROLLED TEST 2022

ECONOMIC AND MANAGEMENT SCIENCES

PAPER 2

NOVEMBER 2022

MARKS: 80

TIME: 1½ hours

QUESTION PAPER

INSTRUCTIONS AND INFORMATION:

1. Answer all the questions
2. Use the numbering system used in the Question paper
3. Write neatly and legibly
4. Read the questions carefully and answer what is required
5. Use the answer sheet provided

This question paper consists of 4 pages

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Cumulated Index Medicus, 1993 *Molecular Microbiology* David H. Persing, Fred C. Tenover, Randall T.

Hayden, Margareta Ieven, Melissa B. Miller, Frederick S. Nolte, Yi-Wei Tang, Alex van Belkum, 2020-07-24 Presenting the latest molecular diagnostic techniques in one comprehensive volume The molecular diagnostics landscape has changed dramatically since the last edition of *Molecular Microbiology Diagnostic Principles and Practice* in 2011 With the spread of molecular testing and the development of new technologies and their opportunities laboratory professionals and physicians more than ever need a resource to help them navigate this rapidly evolving field Editors David Persing and Fred Tenover have brought together a team of experienced researchers and diagnosticians to update this third edition comprehensively to present the latest developments in molecular diagnostics in the support of clinical care and of basic and clinical research including next generation sequencing and whole genome analysis These updates are provided in an easy to read format and supported by a broad range of practical advice such as determining the appropriate type and quantity of a specimen releasing and concentrating the targets and eliminating inhibitors *Molecular Microbiology Diagnostic Principles and Practice* Presents the latest basic scientific theory underlying molecular diagnostics Offers tested and proven applications of molecular diagnostics for the diagnosis of infectious diseases including point of care testing Illustrates and summarizes key concepts and techniques with detailed figures and tables Discusses emerging technologies including the use of molecular typing methods for real time tracking of infectious outbreaks and antibiotic resistance Advises on the latest quality control and quality assurance measures Explores the increasing opportunities and capabilities of information technology *Molecular Microbiology Diagnostic Principles and Practice* is a textbook for molecular diagnostics courses that can also be used by anyone involved with diagnostic test selection and interpretation It is also a useful reference for laboratories and as a continuing education resource for physicians If you are looking for online access to the latest clinical microbiology content please visit www.wiley.com/learn/clinmicronow **Psychosocial Advances in Neuro-Oncology** Tamara

Owensworth, Suzanne Chambers, Haryana Dhillon, 2016-02-12 Neuro oncology is a rapidly growing field concerned with scientific developments and clinical applications related to neuroscience neuropsychology cancer and oncology Neuro oncological disorders include cancers that directly affect the central nervous system CNS such as brain tumours and brain metastases and non CNS cancers with treatments that produce neurocognitive impairment To date the biological mechanisms and neuropsychological effects of brain tumour and cancer have been the dominant focus in neuro oncology literature In terms of psychosocial aspects of care people s understanding of their diagnosis and symptoms and how they cope with their illness has a major influence on their emotional well being and quality of life The development and evaluation of psychological and supportive care interventions for people with brain tumour is an area of emerging research and of high interest to health professionals working in the field This Research Topic aims to enhance understanding of the psychological

and social consequences of brain tumour and other cancers impacting neurocognitive function It also aims to showcase new developments in assessment and psychosocial intervention approaches **Applied Mechanics Reviews** ,1987 *The Software Encyclopedia 2000* Bowker Editorial Staff,2000-05 Government reports annual index ,199? *The Continuing Study of Newspaper Reading* Advertising Research Foundation,1942 **EMS.** Barbara Houghton,2006 **EMS.** Kenneth Checkley,2021

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neural network single layer perceptron stack overflow - Jun 01 2022

web mar 1 2017 single layer perceptron ask question asked 6 years 4 months ago modified 6 years 4 months ago viewed 161 times 0 i m trying to train an slp with a heavyside function for a two class problem on matlab my inputs are 00 01 10 and 11 for a target values of 1 1 this is the code i ve tried so far

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web apr 27 2020 single layer perceptron neural network define two distributions as two classes sample 1000 points from two distributions and define their class labels create a linear classification model initialize random weights

how to create a multi layer perceptron in matlab for a multi class - Dec 27 2021

web jan 30 2016 you have only one input connected to the first layer so put 1 0 here layerconnect the vector has dimensions numlayers by numlayers you have two layers the first layer is connected to the second one but not to itself there is no connection going from the second layer to the first one and the second layer does not feed itself put 0 0