



Faculty of Computers & Artificial Intelligence
2st Term (2019-2020) Final Exam
Class: Medical Informatics Year: 1st level
Course Code: BS101
Course name: Calculus



Benha University
Final Date: 7 / 6 /2020
Total Marks: Pass / Fail
Examiner(s): Dr. Eman Monir,
Dr. Ahmed Hagag

Research submission: From 31 May to 7 June 2020

a) Calculus affects many of the real-life situations. Write a research explaining the use of calculus in ONE of the following topics:

Topic No. 1

Medical Applications

Topic No. 2

Business and Economics

Topic No. 3

Engineering Applications

Topic No. 4

Social Sciences

Topic No. 5

Physical Sciences

Topic No. 6

Life Sciences

b) Notes: please, your research must contain the following elements:

- Using at least one function.
- Graph the function(s) and write the domain and the range.
- An example of the differentiation.
- An example of the integration.

GOOD LUCK,

Examiner(s)

Dr. Eman Monir
Dr. Ahmed Hagag

Program Coordinator

Prof. Dr. Tarek El-Shishtawy