

Faculty of computer & Artificial intelligence
2nd term (2019-2020)
Course name: math2

Benha University
Total marks pass/Fail
Examiner(s):Dr/ Ahmed Megahed
Dr /Mostafa Hassan

Research Submission from 31 May to 7 June 2020

Write a research project in one of the following topics

Topic No. 1

Write a research project about

- 1- Sequences, infinite series, and the divergence and integral tests.
- 2- Methods of solution of the first order linear differential equations of the first degree as,(homogenous and non- homogenous),-(exact and non- exact) .

Topic No. 2

Write a research project about

- 1- Sequences, infinite series, and the ratio, root and comparison tests.
- 2- Methods of solution of the first order linear differential equations of the first degree as,(Linear and non- Linear),-(exact and non- exact).

Topic No. 3

Write a research project about

- 1- Sequences, infinite series, convergence of alternating, and Taylor series.
- 2- Methods of solution of the first order linear differential equations of the first degree as,(homogenous and non- homogenous),-(Bernoulli's equation) .

Note: your research must contain the following

- 1-Related examples
- 2-References

Examiners

Dr: Ahmed Megahed & Dr: Mostafa Hassaan