
DEPARTMENT OF MATHEMATICAL SCIENCES

ECP MATHEMATICS TEST 1, SEMESTER 1, 2021

Date : 18 June 2021

Marks : 40

Duration : 75 Mins

Examiner: Mr E.K Mkhwanazi

Moderator: Mr R Sheshane

Read the following instructions carefully

- This question paper consists of eight multiple choice questions.
 - In each question, four possible answers are provided but one is correct.
 - Five marks will be awarded for each correct chosen answer.
 - Use the answer sheet provided(last page) to answer the questions.
 - Remove the answer sheet(last page) from the question paper and then write your details thereon.
 - Use a pen(black or blue ink) to circle the letter containing the answer that you choose, e.g. $\odot$. If you decide to change, cancel and choose another answer, e.g. $\otimes$ $\oplus$
 - No marks will be awarded for choosing more than one answer on the same question.
 - You may use the back pages to do your workings but these will not be marked.
-

1. Given $12x^3 + 4x^2 - 27x - 9 = (2x + 3) \times (6x^2 - 7x - 3) + R$. The value of R is

A: $R = 16$

B: $R = 2$

C: $R = 0$

D: $R = 3$

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