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UNIVERSITI SAINS MALAYSIA

First Semester Examination  
2016/2017 Academic Year

December 2016

**MGM 511 - Linear Algebra**  
**[Aljabar Linear]**

Duration : 3 hours  
[Masa : 3 jam]

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Please check that this examination paper consists of **FIVE** pages of printed material before you begin the examination.

*[Sila pastikan bahawa kertas peperiksaan ini mengandungi **LIMA** muka surat yang bercetak sebelum anda memulakan peperiksaan ini.]*

**Instructions:** Answer all **FOUR** (4) questions.

**Arahan:** Jawab semua **EMPAT** (4) soalan.]

In the event of any discrepancies, the English version shall be used.

*[Sekiranya terdapat sebarang percanggahan pada soalan peperiksaan, versi Bahasa Inggeris hendaklah diguna pakai.]*