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First Semester Examination  
2021/2022 Academic Session

February 2022

**MSS414 - Topics in Pure Mathematics  
(Manifolds and Bundles)**

Duration : 2 hours

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Please check that this examination paper consists of FOUR (4) pages of printed material before you begin the examination.

**Instructions :** Answer all **THREE** (3) questions.

**Bonus Question** is not compulsory. If attempted, the marks gained will offset the total marks obtained for Question 1-3 (capped at 7 marks).

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