

Smart Syllabus of Applied Mathematics-II (MATH-233)  
Session 2020-21

Note: Dear students the following Exercises / Questions, Short Questions, MCQs are excluded from syllabus.

عزیز طلباء سمارٹ سلیبس کی وجہ سے درج ذیل سوالات اس سال  
سلیبس کا حصہ نہیں ہیں۔ لہذا ان سوالات کو کراس کر دیں۔

## P A P E R - A

### Chapter # 01 (Functions & Limits)

Exercise 1.3	Full
Short Questions	Q.12, Q.13, Q.14, Q.15
MCQs	05, 08, 09, 10

### Chapter # 02 (Derivatives)

Exercise 2.1	Full
Exercise 2.3	Q.03 (Complete), Q.04 (i), Q.04 (iii)
Exercise 2.4	Full
Short Questions	Q.14, Q.19, Q.20, Q.21
MCQs	06, 09

### Chapter # 03 (Differentiation)

Exercise 3.1	Q.01 (Complete), Q.07 (ii), Q.08 (Complete), Q.09 (Complete)
Exercise 3.2	Full
Exercise 3.3	Q.02 (Complete), Q.03 (Complete)
Short Questions	Q.02, Q.04, Q.05, Q.06, Q.07, Q.08, Q.09, Q.10, Q.13, Q.16, Q.17, Q.18, Q.19, Q.20, Q.21
MCQs	10, 11, 12, 13, 14, 15, 16, 18, 19, 21, 22.

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Chapter # 04 (Rate of Change of Variable)

Exercise 4.1	Q.07, Q.08, Q.09, Q.10
Exercise 4.2	Q.06, Q.07, Q.08.
Short Questions	Q.04, Q.09, Q.11, Q.12, Q.17, Q.18
MCQs	01, 02, 12

Chapter # 05 (Statistics)

Exercise 5.2	Full
Short Questions	Q.15, Q.17
MCQs	19, 20

Chapter # 06 (Probability)

Exercise 6.2	Full
Short Questions	Q.04, Q.09, Q.10
MCQs	18, 19, 20

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## P A P E R - B

### Chapter # 07 (Integration)

Exercise 7.1	Q.18, Q.19, Q.20
Exercise 7.3	Q.01 (xiv), Q.02 (i), Q.02 (iv), Q.02 (x), Q.02 (xii), Q.02 (xiii)
Short Questions	Q.15
MCQs	02

### Chapter # 08 (Methods of Integration)

Exercise 8.1	Full
Exercise 8.2	Full
Exercise 8.3	Q.02 (Complete), Q.03 (iii) Q.04 (Complete), Q.05 (Complete), Q.06 (Complete)
Short Questions	Q.02, Q.03, Q.04, Q.05, Q.11, Q.12, Q.13, Q.16
MCQs	01, 02, 03, 08

### Chapter # 09 (Definite Integrals & Applications)

Exercise 9.1	Q.01 (xi)
Exercise 9.2	Full
Short Questions	Q.19
MCQs	05

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Chapter # 10 (Differential Equations)

Exercise 10 Q.15

Short Questions Q.08, Q.09, Q.15, Q.17, Q.18, Q.19,  
Q.21

MCQs 06

Chapter # 11 (Fourier Series)

Exercise 11 Full

Short Questions Q.03, Q.04, Q.06, Q.07

MCQs 02, 03, 04, 05, 06, 10

Chapter # 12 (The Laplace Transformation)

Exercise 12 Q.06 (Complete)

Short Questions Q.14, Q.15, Q.16 (Complete), Q.17,  
Q.18, Q.19

MCQs 10, 11, 12, 13, 14, 15, 16, 17