

Bright Career Science Academy, Narowal



Chapterwise Paper Pattern (Mathematics A) University of Punjab (PU), Lahore.

Examination: BSc. (2) years Program

Class: 3rd Year

Total Marks: 100

Subject: Mathematics A Course

Paper: Paper A

Total Questions: 12

Total Time: 3 hours

Total Attempt Questions: 6

Note: Attempt six questions by selecting two questions from Section I, two questions from Section II, one question from Section III and one question from Section IV.

SECTION-I

Note: Attempt 2 Questions out of 4 Questions.

Course Outline: Chapter 1, 2 and 3 (Calculus)

Total Marks in Section-I: 34 (2×17)

Question No	Q.No.1. (a) & (b)	Q.No.2. (a) & (b)	Q.No.3. (a) & (b)	Q.No.4. (a) & (b)
Marks	8 + 9 = 17	8 + 9 = 17	8 + 9 = 17	8 + 9 = 17

SECTION-II

Note: Attempt 2 Questions out of 4 Questions.

Course Outline: Chapter 4, 5 and 6 (Calculus)

Total Marks in Section-II: 34 (2×17)

Question No	Q.No.5. (a) & (b)	Q.No.6. (a) & (b)	Q.No.7. (a) & (b)	Q.No.8. (a) & (b)
Marks	8 + 9 = 17	8 + 9 = 17	8 + 9 = 17	8 + 9 = 17

SECTION-III

Note: Attempt 1 Question out of 2 Questions.

Course Outline: Chapter 7 (Calculus).

Total Marks in Section-III: 16 (1×16)

Question No	Q.No.9. (a) & (b)	Q.No.10. (a) & (b)
Marks	8 + 8 = 16	8 + 8 = 16

SECTION-IV

Note: Attempt 1 Question out of 2 Questions.

Course Outline: Chapter 8 (Calculus).

Total Marks in Section-IV: 16 (1×16)

Question No	Q.No.11. (a) & (b)	Q.No.12. (a) & (b)
Marks	8 + 8 = 16	8 + 8 = 16

Recommended Book: Calculus = Calculus with Analytic Geometry Published by Ilmi Kitab Khana, Lahore.

*****END*****

Written By: Muzzammil Subhan

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Bright Career Science Academy, Narowal



Chapterwise Paper Pattern (Mathematics B) University of Punjab (PU), Lahore.

Examination: BSc. (2) years Program

Class: 3rd Year

Total Marks: 100

Subject: Mathematics B Course

Paper: Paper A

Total Questions: 12

Total Time: 3 hours

Total Attempt Questions: 6

Note: Attempt six questions by selecting one question from Section I, two questions from Section II, two questions from Section III and one question from Section IV.

SECTION-I

Note: Attempt 1 Question out of 2 Questions.

Course Outline: Chapter 1, 2, 3 and 4 (Vector)

Total Marks in Section-IV: 16 (1×16)

Question No	Q.No.1. (a) & (b)	Q.No.2. (a) & (b)
Marks	8 + 8 = 16	8 + 8 = 16

SECTION-II

Note: Attempt 2 Questions out of 4 Questions.

Course Outline: Chapter 2, 3, 4, 5 and 6 (Mechanics)

Total Marks in Section-II: 34 (2×17)

Question No	Q.No.3. (a) & (b)	Q.No.4. (a) & (b)	Q.No.5. (a) & (b)	Q.No.6. (a) & (b)
Marks	8 + 9 = 17	8 + 9 = 17	8 + 9 = 17	8 + 9 = 17

SECTION-III

Note: Attempt 2 Questions out of 4 Questions.

Course Outline: Chapter 7, 8, 9, 10, 11, 12 and 13 (Mechanics)

Total Marks in Section-II: 34 (2×17)

Question No	Q.No.7. (a) & (b)	Q.No.8. (a) & (b)	Q.No.9. (a) & (b)	Q.No.10. (a) & (b)
Marks	8 + 9 = 17	8 + 9 = 17	8 + 9 = 17	8 + 9 = 17

SECTION-IV

Note: Attempt 1 Question out of 2 Questions.

Total Marks in Section-IV: 16 (1×16)

Course Outline: Central Forces and Planetary Motion, Collisions of Particles.

Question No	Q.No.11. (a) & (b)	Q.No.12. (a) & (b)
Marks	8 + 8 = 16	8 + 8 = 16

Recommended Books:

Vector Analysis = Elementary Vector Analysis published by The Caravan Book House, Lahore.

Mechanics = Introduction to Mechanics by Dr. Q.K. Ghori.

*****END*****

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