

B.A. -Mathematics-Session 2023-24
Syllabus For Ist Sem (As per NEP-2020)

CG-M MA 1 : CALCULUS I

Credits = 4 (L = 3 + T = 1)

1 Credit of Lecture = 1 hr. and 1 Credit of Tutorial = 3 hrs.

So, 4 Credits = 3 hrs. of lectures and 3 hrs. of Tutorials in a week = 6 hrs. /week

Total Contact hours in a semester of 15 weeks = 90 hrs. (45 hrs. Lectures + 45 hrs. Tutorials)

Exam Time: 3 hours

Max. Marks: 100

(90 External + 10 internal assessment)

Note: 1. The syllabus has been split into four Units: Unit

UNIT-III

Limits and continuity for functions of31 758.88 Tm[()] TJE736.4290.71 736.188 TeHgBT6a. 0 0 1

variables, Solution of System of Linear Inequalities in two variables {Scope chapters 6}

Essential Text books

1. Mathematics; A Text book for class XI, NCERT, 2006
2. Mathematics;

CG-M MDC-2 : BASIC MATHEMATICS II

BA SEMESTER IInd

Credits = 3 (L = 2 + T = 1)

1 Credit of Lecture = 1 hr. and 1 Credit of Tutorial = 3 hrs.

So, 3 Credits = 2 hrs. of lectures and 3 hrs. of Tutorials in a week = 5 hrs. /week

Total Contact hours in a semester of 15 weeks = 75 hrs. (30 hrs. Lectures + 45 hrs. Tutorials)

Exam Time: 3 hours

Max. Marks: 75

(68 External + 7 internal assessment)

Note: 1. The syllabus has been split into three Units: Unit – I 0 1 1492()] 4(b)its

Integration by substitution, by partial fractions and by parts. (Scope as in Chapter 7 & 8 of Part II of (B)).

Probability – Introduction

CG-M : SEC-1:DISCRETE MATHEMATICS

BA SEMESTER Ist

Credits = 3 (L = 2 + T = 1)

1 Credit of Lecture = 1 hr. and 1 Credit of Tutorial = 3 hrs.

So, 3 Credits = 2 hrs. of lectures and 3 hrs. of Tutorials in a week = 5 hrs. /week

Total Contact hours in a semester of 15 weeks = 75 hrs. (30 hrs. Lectures + 45 hrs. Tutorials)

Exam Time: 3 hours

Max. Marks: 75

(68 External + 7 internal assessment)

Note: 1. The syllabus has been split into three Units: U39srIBT44.62 Tm[(s)44.62 90Q8.582] TJm[()]9srIBT44.617eek

