



**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)  
Re-accredited with A++ Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Continuous Internal Assessment Test II –October 2024**  
**Semester V**

**Class: III UG**

**Major: Mathematics**

**Time: 2 Hrs.**

**Max. Marks: 60**

**21BMAC18 -The History of Mathematics (Self Study)**

**Course Outcomes:**

**On completion of the course, the students will be able to**

1. demonstrate the history of various ancient Mathematicians.
2. identify the Indian, Greek, Chinese and Islamic contributions to Mathematics.
3. understand the developments of Middle Age Mathematics.
4. follow up with latest inventions and their awards in modern mathematics.
5. analyse the contributions of women Mathematicians.

**Part –A**

**Answer all the questions**

**6x1=6**

1. The main centers for studies in Mathematics in Medieval period was Paris and \_\_\_\_\_  
a. Oxford      b. Colmar      c. Strasbourg      d. Bordeaux      CO3K1
2. Maya civilization flourished in \_\_\_\_\_  
a. Europe      b. India      c. Mexico      d. Egypt      CO3K1
3. During Renaissance Mathematics was intertwined with \_\_\_\_\_  
a. physics      b. chemistry      c. accounting      d. biology      CO4K2
4. The analytic geometry was developed by \_\_\_\_\_  
a. Fibonacci      b. Rene Descartes      c. Galileo      d. Nicole Oresme      CO4K1
5. The system of arithmetic was observed by \_\_\_\_\_  
a. Fibonacci      b. Rene Descartes      c. Galileo      d. Nicole Oresme      CO5K2
6. Elliptic Geometry was developed by the German mathematician \_\_\_\_\_.  
a. Hamilton      b. Riemann      c. Cauchy      d. Euler      CO5K1

**Part-B**

**Answer all the question**

**3 x 6 =18**

7. a. Discuss shortly the development of Mathematics during 18th century.      CO3K4  
Or
7. b. What is the development of mathematics during Renaissance?      CO3K4
8. a. Explain the Awards and Societies developed during 19<sup>th</sup> century.      CO4K4  
or
8. b. Give a short note on Mary Everest Boole's contribution to Mathematics.      CO4K4
9. a. Explain the rebirth of Mathematics in Europe.      CO5K4  
or
9. b. Give short notes on Early modern European Mathematics.      CO5K5

**Part-C**

**Answer any one of the following**

**3x12= 36**

10. a. Write briefly about Early middle age European Mathematics.      CO3K4  
or
10. b. Write a brief note on recent trends on mathematics.      CO3K4
11. a. Explain the mathematical development during 20<sup>th</sup> century.      CO4K5  
or
11. b. Write about the role of mathematics during the scientific revolution.      CO4K5
12. a. Write about the contributions of the women mathematician  
Emmy Trotskaia Lehamer .      CO5K4  
or
12. b. Explain the contributions of the women mathematician Sophie Germain.      CO5K4