M3H/M4H/M5H HISTORY OF MATHEMATICS: EXAMINATION, 2017

Section A: answer 5 questions out of 10; 10 marks each

Q1. The pentagram.
Q2. The heliocentric theory.
Q3. Alexandria as a centre of mathematics.
Q4. Galileo.
Q5. Huygens.
Q6. The electromagnetic theory of light.
Q7. The calculus of variations.
Q8. Projective geometry.
Q9. The Fundamental Theorem of Algebra.
Q10. Mathematical biology: Darwin, Mendel and Fisher.

Section B: answer 2 questions out of 4; 25 marks each

Q1. The Renaissance: the re-birth of mathematics in Europe.
Q2. Differential equations.
Q3. The solution of polynomial equations.
Q4. Number theory.

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