

CHAPTER 19

RAMANUJAN, A GREAT MATHEMATICIAN

True/False Questions

1. Ramanujan's mother initially supported his trip to England. (True / False)
2. Hardy immediately recognized Ramanujan's genius upon reading his theorems. (True / False)
3. Ramanujan was the first Indian to become a Fellow of the Royal Society. (True / False)
4. Ramanujan died in England. (True / False)
5. Trinity College provided the funding for Ramanujan's travel to England. (True / False)

Fill in the Blanks

1. Ramanujan was elected a Fellow of the Royal Society at the age of _____.
2. Ramanujan's mother had a dream about the goddess of _____.
3. The funding for Ramanujan's travel to England was arranged by _____.
4. In England, Ramanujan cooked his own _____ food.
5. Ramanujan passed away in the year _____.

Multiple Choice Questions

1. What convinced Ramanujan's mother to let him travel to England?
 - a) A letter from Prof. Hardy
 - b) A dream involving the goddess of Namakkal
 - c) Financial guarantees from Trinity College
2. Which institution elected Ramanujan as a Fellow?
 - a) Oxford University
 - b) Royal Society and Trinity College
 - c) Cambridge University
3. What was a major religious obstacle for Ramanujan's travel to England?
 - a) His strict vegetarian diet
 - b) His mother's orthodox Brahmin beliefs
 - c) His refusal to leave India
4. How did Ramanujan manage his meals in England?
 - a) He ate at local restaurants
 - b) He cooked vegetarian food in his room
 - c) He adopted a non-vegetarian diet
5. In which year did Ramanujan arrive in England?
 - a) 1913
 - b) 1914
 - c) 1919

6. Who collaborated with Hardy to evaluate Ramanujan's theorems?
- a) Littlewood
 - b) Einstein
 - c) Newton
7. What did Ramanujan's letter to Hardy primarily contain?
- a) Requests for financial aid
 - b) Theorems without proofs
 - c) Personal life details
8. Why did Hardy initially set aside Ramanujan's papers?
- a) He found the theorems boring
 - b) He doubted their authenticity
 - c) He was too busy
9. What honor did Ramanujan receive at the age of thirty?
- a) Nobel Prize
 - b) Fellowship of the Royal Society
 - c) Presidency of Trinity College
10. How old was Ramanujan when he died?
- a) 30
 - b) 33
 - c) 35