

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