

37

THE MATHEMATICS STUDENT

EDITED BY

R. P. BAMBAH and P. L. BHATNAGAR

WITH THE ASSISTANCE OF

G. BANDYOPADHYAY P. T. BATEMAN S. D. CHOPRA
H. GUPTA V. S. KRISHNAN D. J. LEWIS
V. V. NARLIKAR T. PATI U. N. SINGH
T. P. SRINIVASAN M. VENKATARAMAN

Vol. XXVIII

PUBLISHED BY
THE INDIAN MATHEMATICAL SOCIETY

Annual Subscription Rs. 8



CONTENTS

PAPERS

R. G. BUSCHMAN : A substitution relation for integral transforms	45
S. K. CHATTERJEA : A Wronskian of the thermite polynomials	61
ECKFORD COHEN : A trigonometric sum	29
J. GOPALAKRISHNA and U. V. SATYANARAYANA : On a functional equation	33
SAHIB RAM MANDAN : Medial Simplex	49
K. NARASIMHA MURTHY RAO : Remarks on a series of Ramanujan	41
R. RAGHAVENDRAN : A generalization of the pedal line theorem	65
M. SATYANARAYAN : Bounds of $\sigma(N)$	79
U. V. SATYANARAYANA : A note on Mersenne's theorem	7
U. V. SATYANARAYANA and J. GOPALKRISHNA : On a functional equation	33
K. SITARAM : Generalized Feuerbach's theorem	1
R. S. L. SRIVASTRA : A note on the order of integral function	75
S. S. SUBRAMANYAM : On three tricuspids associated with a triangle	53
S. S. SUBRAMANYAM : On a remarkable cremona involution	71
S. SWETHARANYAM : Asymptotic expressions for certain type of sums involving the the arithmetic functions in the theory of numbers	9

MATHEMATICAL NOTES

J. M. GANDHI : A new formula for Genocchi numbers	83
A. A. GNANADOSS : Concurrent θ -normals planes and generalized Brocard points	91
T. V. LAKSHMINARASIMHAN : A note on the bilinear transformation	88
A. MAKOWSKI : On the equation $13^x - 3^y = 10$	87
M. PERISASTRI : On the non-existence of odd perfect numbers of a certain form	85

CLASSROOM NOTES

S. A. NAIMPALLY : A new proof for a theorem of classical dynamics	93
---	----

NOTES AND DISCUSSIONS—R. Venkatachalam Iyer	95
---	----

BOOK REVIEWS

AUTHORS : A. G. EGGLESTON, p. 98; S. L. GREEN and J. E. C. GLIDDON, p. 100; A. V. POGORELON, p. 97.

REVIEWERS : F. C. AULUCK, p. 100; RAM BEHARI, p. 97; M. VENKATARAMAN, p. 100

REPORT OF THE MEETING

Report of Twenty-fifth Conference of the Indian Mathematical Society	101
--	-----

STATEMENT OF ACCOUNTS	215
---------------------------------	-----