


RAN-2503000504063003
S.Y. B. Sc. (Sem.-IV) Examination April - 2026
Fundamental of Vedic Mathematics-IV (MH-SEC-403)
[Total Marks: 25]
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book
- (2) All questions are compulsory.
- (3) Figures to the right indicate marks of the questions.
- (4) Follow usual notations and conventions.

Seat No.:

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Student's Signature

Q.1. Answer any FIVE from the following questions.
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1. If last figure of any number is 4 then square roots ends in which numbers?
2. Find a triple for
7 24 25
3 4 5—
3. Find: $D(x + 7)$.
4. Find the equation of the line through $(0, -3)$ and $(-1, -2)$.
5. Write the duplex formula of 4-figure numbers.
6. Find $(4+3i)(12+5i)$.

Q.2. Attempt any TWO.
10

1. Squaring the following from left to right: (i) 191, (ii) 313.
2. Find the square root of (i) 3721, (ii) 169.
3. Find the square of the 1034.

Q.3. Attempt any TWO.
10

1. Find the angle between
(i) $2y = 3x$ and $3y = 2x$.
(ii) $y = 3x$ and $y = 2x$.
2. A) 12, 5, 13, B) 5, 12, 13 and C) 3, -4, 5 find a triple for (i) $2C - B$
(ii) $A - B$.
3. Given the points $(17, 12)$ and $(10, 7)$, find the values of x corresponding to $y = 10$.