

III-4

प्रश्न-पुस्तिका
तृतीय सेमेस्टर-2019
चतुर्थ प्रश्न-पत्र
(गणित)

समय : 1:00 घण्टा]

[पूर्णांक : 25

निर्देश:

- सभी प्रश्न अनिवार्य हैं। प्रत्येक प्रश्न के निर्धारित अंक प्रश्न के सम्मुख दिये गए हैं।
- इस प्रश्न-पत्र में तीन प्रकार के प्रश्न हैं। वस्तुनिष्ठ प्रश्नों के सही विकल्प छोटकर अपनी उत्तर पुस्तिका में लिखें। अति लघु उत्तरीय प्रश्नों व लघु उत्तरीय प्रश्नों को हल कीजिए।

वस्तुनिष्ठ प्रश्न

- | | | | |
|---|---|--|---|
| <p>1. $a^7 \times a^{-9}$ का मान होगा—</p> <p>(1) a^{-9}</p> <p>(2) a^{+7}</p> <p>(3) a^{-2}</p> <p>(4) a^2</p> | 1 | <p>3. $\frac{7}{20}$ भिन्न का प्रतिशतरूप होगा—</p> <p>(1) 15% (2) 20%</p> <p>(3) 25% (4) 35%</p> | 1 |
| <p>2. $\frac{a^3 - b^3}{a^2 + ab + b^2}$ का मान होगा</p> <p>(1) $a^2 - b^2$</p> <p>(2) $a - b$</p> <p>(3) $a^2 + b^2$</p> <p>(4) कोई नहीं</p> | 1 | <p>4. यदि समुच्चय $A = \{4, 6, 7\}$, $B = \{3, 5, 6\}$ हो तो $A \cap B$ का अवयव होगा—</p> <p>(1) 5</p> <p>(2) 6</p> <p>(3) 7</p> <p>(4) 4</p> | 1 |
| | | <p>5. एक वर्गमीटर बराबर है—</p> <p>(1) 1000 वर्ग सेमी.</p> <p>(2) 100 वर्ग सेमी.</p> <p>(3) 10,000 वर्ग सेमी.</p> <p>(4) 10 वर्ग सेमी.</p> | 1 |

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