M .Ks;h

THEMATICS

**ස්වයං අධ්‍යයන කාර්ය පත්‍රිකාව**

6 mdvu - oaaúmo m%ldYk - **Binomial Expressions**

^01&' my; oelafjk úcSh mo .=K lrkak'

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2 |  |  |  |  |  |
| 7 |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |

^02&' jryka bj;a lr ,shkak'

i.  =………………………. ii.  =………………………

iii.  =………………………. iv.  =……………………….

v.  =………………………. vi. =……………………….

vii. =………………………. viii. =………………………

**01**

(03) yssia;eka mqrjkak

**(i)** (a + b)3 = a3 + 3a2b + ...... + b3 **(ii)** (x + y)3 = ....... + ....... + 3xy2 + y3

**(iii)** (m – n)3 = m3 – ...... + ...... – n3 **(iv)** (p – q) = ....... – ....... + 3pq2 – q3

(04&' m%idrKh lrkak'

(i) . = ……………………………………………

(ii) . = ……………………………………………

(iii) = ……………………………………………

(iv) . = ……………………………………………

(v) = ……………………………………………

(vi) . = …………………………………………….

(vii) . = ……………………………………………..

(viii) . = ……………………………………………

(ix) . = ……………………………………………

(x) . = ……………………………………………

(05& oaùmohl >kfha m%idrkh Ndú; lr my; oelafjk ixLHdj, jákdlu fidhkak'

**(i)** 1033 **(ii)** 983 **(iii)** 553 **(iv)** 473

(06& w.h fidhkak'

1. (a + b) = 6 yd ab = 4 kï a3 + b3
2. (a – b) = 7 yd ab = 30 kï a3 – b3

^07) my; oelafjk w.hka oaúmo m%ldYkhl >kdhs;hla f,i ,shd w.h fidhkak'

(i) . 213  (ii) . 183

(iii) . 123  (iv) . 983

(08)>kdhskh ms<sn| oekqu Ndú;fhka w.h fidhkak'

**(i)** 64 + 3 × 16 × 3 + 3 × 4 × 9 + 27 **(ii)** 216 - 3 × 36 × 5 + 3 × 6 × 25 - 125

^09&' my; oelafjk >klfha mrssudj i|yd m%ldYkhla fidhkak'

**(**10)a = 7 o b = 5 kï

**(i)** a – b fidhkak'

**(ii)** (a2 + ab + b2) fidhkak'

**(iii)** (a – b) (a2 + ab + b2) fidhkak'

**(iv)** a3 – b3 fidhkak'

**(v)**  (a + b) (a2 – ab + b2) fidhkak'

**(vi)** a3 + b3 fidhkak'

**(vii)** (iv)ys w.h (iii) ys w.hg iudko@

**(viii)**  (vi)ys w.h (v) ys w.hg iudko@

ieliqu - tka. tia. j¾Kl=, - wef,daishia cd;sl mdi,

Wmd,s uS.yjsg - weye,shf.dv uOH uyd úoHd,h