Ujian / *Test*
Indeks / Index

Nama : ..... *Kelas* : .....

Bahagian A / Section A

1 $5p^3 \times 3p^5 \times p =$

A $15p^9$

B $15p^8$

C $8p^9$

D $8p^8$

2 $(4xy^2)^4 =$

A $4xy^8$

B $16x^4y^2$

C $64x^4y^6$

D $256x^4y^8$

3 $\frac{5^{12}\times5^0}{5^{-4}} =$

A 5^0

B 5^4

C 5^8

D 5^{16}

4. Di beri/ Given
$x^{2q} = \frac{x^{18}}{x^6}$,

Maka / Therefore,
$q =$

A 12

B 6

C 3

D $\frac{3}{2}$

5 Cari Nilai/Find the value

$64^{-\frac{1}{3}} \times 8^{\frac{1}{3}}$.

A $\frac{1}{6}$

B $\frac{2}{3}$

C $\frac{1}{2}$

D $2\frac{1}{4}$

6 DI beri / Given

$(p^n)^3 = p^{18}$.

Cari nilai bagi *n* /
Find the value *n*.

A 3

B 4

C 5

D 6

7 $4^n \times 4^4 \times 64^2 =$

A 4^{n+4}

B 4^{n+10}

C 4^{10n}

D 4^{6n}

8. Permudahkan /
Simplify

$81y^{\frac{1}{3}} \div 9y^{\frac{2}{3}}$

A $\frac{9}{y}$

B $\frac{9}{y^{\frac{1}{3}}}$

C $9y^{\frac{1}{3}}$

D $9y^2$

9. $\frac{(6a^2b^3)^2}{6a^5b^6} =$

A $6a^{-1}$

B $6a^{-3}$

C $6a^{-1}b^{-1}$

D $6a^{-3}b^{-1}$

10 $8^{\frac{1}{3}} \times 4^{-1} =$

A $\frac{1}{8}$

B $\frac{1}{2}$

C 2

D 8