



# VIDYA BHAWAN, BALIKA VIDYAPITH

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(Affiliated to CBSE up to +2 Level)

Class: VIII

Subject: Mathematics

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## Exponents and Powers Extra Questions Very Short Answer Type

$a^m \times a^n$  is equal to

- (a)  $a^{m+n}$
  - (b)  $a^{m-n}$
  - (c)  $a^{mn}$
  - (d)  $a^{n-m}$
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Question 2.  $a^m \div a^n$  is equal to

- (a)  $a^{m-n}$
  - (b)  $a^{m+n}$
  - (c)  $a^{mn}$
  - (d)  $a^{n-m}$
- 

Question 3.  $(a^m)^n$  is equal to

- (a)  $a^{m+n}$
  - (b)  $a^{m-n}$
  - (c)  $a^{mn}$
  - (d)  $a^{n-m}$
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Question 4.  $a^m \times b^m$  is equal to

- (a)  $(ab)^m$
  - (b)  $(ab)^{-m}$
  - (c)  $a^m b$
  - (d)  $ab^m$
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Question 5.  $a^0$  is equal to

- (a) 0
  - (b) 1
  - (c) -1
  - (d) a.
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Question 6.  $a^m b^m$  is equal to  $b^m$

- (a)  $(ab)^m$
  - (b)  $(ba)^m$
  - (c)  $(amb)^m$
  - (d)  $(ab_m)^m$
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Question 7.  $2 \times 2 \times 2 \times 2 \times 2$  is equal to

- (a)  $2^4$

- (b)  $2^3$
  - (c)  $2^2$
  - (d)  $2^5$
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Question 8. In  $10^2$ , the exponent is

- (a) 1
  - (b) 2
  - (c) 10
  - (d) 1.
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Question 9. In  $10^2$  the base is

- (a) 1
  - (b) 0
  - (c) 10
  - (d) 100.
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Question 10.  $10^{-1}$  is equal to

- (a) 10
  - (b) -1
  - (c) 110
  - (d) -110
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