

**Choose the correct answer.**

1. Domain of  $\cos ecx$  is
 

(a) R	(b) $R - \{x   x = n\pi, n \in Z\}$
(c) negative real numbers	(d) none of these
2. Domain of  $\tan x$  is
 

(a) R	(b) $R - \{x   x = n\pi, n \in Z\}$
(c) $R - \{x   x = (2n+1)\frac{\pi}{2}, n \in Z\}$	(d) none of these
3. Domain of  $\cot x$  is
 

(a) $R - \{x   x = n\pi, n \in Z\}$	(b) $R - \{x   x = (2n+1)\frac{\pi}{2}, n \in Z\}$
(c) set of real numbers	(d) none of these
4. Range of  $\cos ecx$  is
 

(a) $[-1, 1]$	(b) R	(c) negative real no.	(d) $R - \{x   -1 < x < 1\}$
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5. Range of  $\cos x$  is
 

(a) $[-1, 1]$	(b) R	(c) negative real no.	(d) $R - \{x   -1 < x < 1\}$
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6. Range of  $\cot x$  is
 

(a) $[-1, 1]$	(b) R	(c) negative real no.	(d) $R - \{x   -1 < x < 1\}$
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7. Period of  $\cos x$  is
 

(a) $\frac{\pi}{2}$	(b) $\pi$	(c) $2\pi$	(d) $4\pi$
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8. Period of  $\tan x$  is
 

(a) $\frac{\pi}{2}$	(b) $\pi$	(c) $2\pi$	(d) $4\pi$
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9. Period of  $\cos ecx$  is
 

(a) $\frac{\pi}{2}$	(b) $\pi$	(c) $2\pi$	(d) $4\pi$
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10. Period of  $\sin 3x$  is
 

(a) $\frac{\pi}{3}$	(b) $\frac{2\pi}{3}$	(c) $\pi$	(d) $2\pi$
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11. Period of  $\tan 4x$  is
 

(a) $\pi$	(b) $\frac{\pi}{2}$	(c) $\frac{\pi}{4}$	(d) $2\pi$
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12. Period of  $\cot \frac{x}{2}$  is
 

(a) $\pi$	(b) $\frac{\pi}{2}$	(c) $\frac{\pi}{4}$	(d) $2\pi$
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13. Period of  $\sin \frac{x}{3}$  is
 

(a) $\pi$	(b) $3\pi$	(c) $\frac{2\pi}{3}$	(d) $6\pi$
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