TAIBAH UNIVERSITY

PREPARATORY YEAR

First Semester 1435/36 (2014/15) MATHEMATICS -101

Chapter -6 – Trigonometric functions

Multiple choice questions

Total number of questions: 20

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1. Find the exact value of $\cos\theta$ if $\sin\theta = \frac{1}{4}$ and $90° < \theta < 180°$

a) $\frac{\sqrt{15}}{4}$

b) $-\frac{\sqrt{15}}{4}$

c) $\frac{3}{4}$

d) $-\frac{3}{4}$

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2. Simplify $\frac{\sin\theta \csc\theta}{\cot\theta}$

a) $\sin\theta$

b) $\cos\theta$

c) $\tan\theta$

d) $\cot\theta$

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3. Simplify $\cot\theta \sec\theta$.

a) $\csc\theta$

b) $\sec\theta$

c) $\cot\theta$

d) $\tan\theta$
