

Model Answer- Quiz # 1 (CE 370) 2018-19-2

Majmaah University

College of Engineering

Civil & Environmental Eng. Dept.

Surveying 1 (CE 370)

27/01/2019

Name:	Academic Number:
Level (5): Civil Engineering:	Time allowed: 20 min.

Question #1:

- 1.1) A horizontal angle is measured as 148.2352g. Determine its value in DEG and Radian units. (ULO#1/CLO#1 / k-kpi#43 =2 mark)

$$\begin{array}{ccc} 360 & 400 & 2\pi \\ X & 148.2352^g & Y \\ X = \frac{148.2352 * 360}{400} = 133^{\circ} 24' 42.05'' \\ Y = \frac{148.2352 * 2 * \pi}{400} = 2.3285 \text{ radian} \end{array}$$

- 1.2) Calculate then select the correct answer:

(ULO#2/CLO#2 / a-kpi#4 =3 mark)

- 1) An American football field with 360 ft length and 160 ft width, So its area equals?

a) 28800 ft ²	b) 5351.2 m ²
c) 4800 ft ²	d) 1.274 Fadden

- 2) The distance between two cities is measured as 152.4 miles, this distance equals:

a) 254.508 yards	b) 804.672 ft
c) 245.264 km	d) None of the above

Good Luck