

GUJARAT TEWM NO BOKACAD UNIVERSHIST Ranker.com

BE - SEMESTER-I &II (NEW) EXAMINATION - SUMMER-2019

Subject Code: 2110004 Date: 11/06/2019

Subject Name: Elements of Civil Engineering

Time: 10:30 AM TO 01:00 PM Total Marks: 70

Instructions:

- 1. Question No.1 is compulsory. Attempt any four out of remaining six questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1 Objective Question (MCQ)

Mark 07

(a)1. The infrastructural sector covers a wide range of service of ______

- (a) Transportation, (b) Water Resources Project, (c) Power sector, (d) All above
- **2.** A triangle is said to be well-conditioned when its angle should lie between _____
 - (a) 15° and 115°, (b) 30° and 120°, (c) 55° and 115°, (d) 45° and 135°
- **3.** Offset are set by instrument
 - (a) Cross staff
 - (b) Prism square
 - (c) Optical square
 - (d) All of the above
- **4.** If W.C.B. of any line lies in quadrant IV then R.B. is equal to (a) WCB (b) 360o-WCB (c) 180o-WCB (d) WCB-180o
- 5. The true bearing of a line is 124° . What is magnetic bearing, if declination is $2^{\circ}30'E$?
 - (A) 126°30' (B) 120°30' (C) 121°30' (D) 122°30'
- **6.** The surface of still water is considered to be
 - (a) Level (b) Horizontal (c) Curved (d) Smooth
- 7. Which of the following scale is the largest one? (A) 1 cm = 50 m (B) 1:42000 (C) RF = 1/300000 (D) 1 cm = 50 km

(b) 07

- 1. Planimeter is useful to measure
 - (a) length (b) area (c) volume (d) time
- **2.** GIS is useful for
 - (a) environmental impact assessment
 - (b) surveying and mapping
 - (c) natural resource management
 - (d) all of the above
- **3.** What is the size of a standard brick?
- **4.** The object of surveying is to prepare a
 - (a) Drawing (b) Cross section (c) Sketch (d) Map
- **5.** If the depth of foundation is equal to or less than its width is known as
 - (a) Deep foundation, (b) Shallow foundation,
 - (c) Combined foundation, (d) None of above
- **6.** Plan is prepared by taking the cross section at
 - (a) Foundation level (b) Sill level
 - (c) Slab level (d) Lintel level
- 7. Portion of water held by trees during rainfall is known as
 - (a) depression storage (b) Infiltration
 - (c) Interception (d) None of the above

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