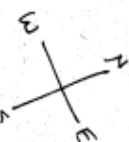


## Instructions to the Students:

1. Illustrate your answers with neat sketches, diagrams etc. where ever necessary.
- 2.

	(Level/ CO)	Marks
<b>Q.1</b> 1) Type of surveying in which the shape of the earth taken into account is _____ a) Topographic Surveying b) Hydrographic Surveying c) Geodetic Surveying d) Plane Surveying	<b>C01</b>	<b>6 X 1</b>
2) Which among the following is one of the principles of surveying? a) Taking measurements b) covering entire area c) Determining the elevation differences d) working from whole to part	<b>C01</b>	
3) Which line passes through true north and true south? a) True Meridian b) Magnetic Meridian c) Arbitrary Meridian d) Dip	<b>C01</b>	
4) Alidade is used for _____ a) Sighting b) Drawing lines c) Both a) & b) d) Only a)	<b>C02</b>	
5) Orientation of table involves which among the following? a) Traversing b) Fore sighting c) Back sighting d) Measuring bearings	<b>C01</b>	
6) In usual bubble tube used in dumpy level the division reading approximately a) 2mm-5mm b) 0.5mm-1mm c) 10mm-20mm d) None of the above	<b>C02</b>	
<b>Q.2</b> <b>Answer Any Two of the following.</b> (A) Convert the following from Quadrantal Bearings to WCBs. Also find the Back bearings of same. a) N 12°24' E    b) S 31°36' E    c) N 54°2' W	<b>C03</b>	<b>3 X 2</b>
(B) Explain the principles and objectives of surveying.	<b>C01</b>	
(C) Explain in detail Radiation method in plane table surveying.	<b>C02</b>	
<b>Q.3</b> (A) Solve Any One of the following. With neat sketch explain the working principles of Prismatic Compass and Surveyors Compass	<b>C03</b>	<b>8 X 1</b>



(B)	a) Find the interior angle from the bearings taken as follows on a closed compass traverse. Determine the error if any.			CO3	4m
LINE			FB	BB	
AB			80°10'	259°0'	
BC			120°20'	301°50'	
CD			170°50'	350°50'	
DE			230°10'	49°30'	
EA			310°20'	130°15'	
b) Define: Local Attraction, Magnetic Declination, Traversing, Resection,					
*** End ***					
					4m

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