

Sample Question Paper

Program: SE Civil Engineering

Curriculum Scheme: Revised 2012

Examination: Second Year Semester III

Course Code: CE-C303 and Course Name: Surveying-I

Time: 1hour

Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	The type Surveying in which curvature of earth is taken in account is?
Option A:	Plane Surveying
Option B:	Geodetic Surveying
Option C:	Simple Surveying
Option D:	Tacheometric Surveying
Q2.	The method of surveying which is used for determining the elevations of the point is ?
Option A:	Plane table Surveying
Option B:	Traverse Surveying
Option C:	Leveling
Option D:	Triangulation
Q3.	The survey which deals with water bodies such as lakes, rivers, streams and coastal areas is called as
Option A:	Aerial Survey
Option B:	Underground survey
Option C:	Land survey
Option D:	Hydrographic survey
Q4.	Which part of dumpy level is used to sight a staff placed at desired station and to read staff reading distinctly?
Option A:	Telescope
Option B:	Diaphragm
Option C:	Eyepiece
Option D:	Level tube
Q5.	Which method of leveling is used for finding elevation along a line and its cross section?
Option A:	Precise leveling
Option B:	Profile Leveling

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Option C:	Fly Leveling
Option D:	Reciprocal leveling
Q6.	A level is placed at a point P which is midway of A and B. BM is fixed at point A having RL 100.00m Staff readings taken at point A and B are 2.365m and 1.235m respectively. What will be RL of point B ?
Option A:	101.110
Option B:	101.120
Option C:	101.130
Option D:	101.140
Q7.	The Reading which is taken on a staff either held at last point whose elevation is required at the change point just before shifting the instrument is
Option A:	Fore sight
Option B:	Back sight
Option C:	Intermediate sight
Option D:	Intermittent sight
Q8.	The leveling which is used for the determination of difference of levels of two points which are quite close to each other so that only one setting of instrument is sufficient is
Option A:	Differential leveling
Option B:	Auto leveling
Option C:	Partial leveling
Option D:	Simple leveling
Q9.	The point of known elevation is known as
Option A:	Bench mark
Option B:	Change point
Option C:	Shifting point
Option D:	Datum point
Q10.	Which of the below methods is used for interpolating contour points between 2 points?
Option A:	Arithmetic Calculation
Option B:	Using measuring tapes
Option C:	Taking pictures of area
Option D:	Using a theodolite
Q11.	Contours can be found in a _____ map.
Option A:	Political
Option B:	Physical
Option C:	Topographical
Option D:	Thematic
Q12.	Right deflection angle may be directly obtained by setting the instrument to read

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Option A:	Zero on back station
Option B:	180 degree on back station
Option C:	90 degree on back station
Option D:	270 degree on back station
Q13.	A car travels from a point X due East and reaches point Y. The distance between point X and Y is 205.30 km. The latitude and departure of line XY respectively are
Option A:	205.30 and Zero
Option B:	Zero and 205.30
Option C:	-205.30 and Zero
Option D:	Zero and -205.30
Q14.	In open traversing, the method preferred is
Option A:	Method of direct angles
Option B:	Method of exterior angles
Option C:	Method of deflection angles
Option D:	Method of interior angles
Q15.	The Gales method of traversing consist of plotting of points by
Option A:	Independent co-ordinates
Option B:	Consecutive co-ordinates
Option C:	Chords
Option D:	Both methods (Independent and consecutive coordinate method)
Q16.	The Latitude of line PQ is -154.90, departure of line PQ is -185.6, the bearing and length of line PQ respectively will be
Option A:	N 53°19'45" E and 242.86m
Option B:	S 51°18'48" W and 284.19m
Option C:	N 51°18'55" E and 284.61m
Option D:	S 50°9'7" W and 241.75m
Q17.	The sensitivity of bubble is 20 seconds. A staff is held at a distance of 200m. The error in the reading, if bubble is out by one division
Option A:	0.704m
Option B:	0.0704m
Option C:	0.0194m
Option D:	0.1904m
Q18.	To calculate the amount of fill and cut
Option A:	Only profile levelling is sufficient
Option B:	Only cross sectioning is required
Option C:	Both profile and cross sectioning is required
Option D:	Barometric leveling is required
Q19.	Pick up the correct statement.....
Option A:	The contour interval depends upon the time available

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Option B:	Contour can be drawn under water
Option C:	Usually contour interval is kept constant but variable interval may be used if required
Option D:	A group of contours with higher figures inside indicate depression
Q20.	Choose correct statement from the following:
Option A:	True bearing = magnetic bearing + magnetic declination
Option B:	True bearing = magnetic bearing - magnetic declination
Option C:	True bearing = magnetic bearing ÷ magnetic declination
Option D:	True bearing = magnetic bearing x magnetic declination
Q21.	Lehman's rule state that while looking towards the station, the plane table location may be fixed is always to the
Option A:	Left of the each of the ray
Option B:	right of the each of the ray
Option C:	Left or right of the each of the ray
Option D:	Left or of the each of the ray to the most distant station.
Q22.	A Mosque is situated on the far side of a river and is inaccessible. It can be located by
Option A:	Radiation method of Plane table survey
Option B:	Traversing method of plane table survey
Option C:	Intersection method of plane table survey
Option D:	Resection method of plane table survey
Q23.	The axis about which the telescope and vertical circle rotate in vertical plane is known as
Option A:	The vertical axis
Option B:	Parallax
Option C:	The axis of level tube
Option D:	Trunnion axis
Q24.	For a survey of broken boundaries, with the plane table, the most appropriate method will be
Option A:	Open traversing
Option B:	Intersection
Option C:	Radiation
Option D:	resection
Q25.	Choose the correct statement from the following
Option A:	U fork/frame is used for orienting the plane table
Option B:	Exact centering of plate table is essential for large scale map
Option C:	Centering of plane table cannot be sacrificed at the cost of orientation for a small scale map
Option D:	Plane table survey is most suited for filling in details if the country is open with

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	good intervisibility
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