



DEPARTMENT OF HUMANITIES & APPLIED SCIENCES

I YEAR I/II SEMESTER

1FY3-09/2FY3-09: BASIC CIVIL ENGINEERING

Note: Each Assignment of 10 marks

All questions carry equal marks

UNIT-01/ASSIGNMENT-01

Q.No.	Question	CO	BLT
1	Discuss scope of civil engineering and give two objects of civil engineering.	1	1
2	What do you understand by surveying?	1	1
3	What is ranging in Surveying?	1	1
4	What are cumulative and compensating errors?	1	2
5	Write down the name of civil engineering specialization. Explain any three.	1	1

UNIT-02/ASSIGNMENT-02

Q.No.	Question	CO	BLT
1	Enlist different types of chain & tapes.	2	1
2	Differentiate between Surveyor's & Prismatic Compass.	2	2
3	Convert the following bearings: a) $107^{\circ}15'$ b) $205^{\circ}45'$ c) $S42^{\circ}45'E$ d) $N50^{\circ}55'W$	2	3
4	A steel tape 20m in length used to measure a distance of 300m was found 1cm long at the end of work. Calculate the correct measured distance.	2	3
5	Following is the observation taken at every 30m interval along a survey line. First reading was taken on zero chain age having R.L. =180.500 Enter these observations in proper tabular form, compute reduced levels and show necessary check. Determine the general gradient of ground from first point and the last point neglecting other points. 1.750, 1.370, 1.150, 2.315, 0.950, 1.415, 2.040 and 3.590 Instrument was shifted after 4th observation.	2	3

*BLT: BLT shows the **Bloom's taxonomy** levels



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UNIT-03/ASSIGNMENT-03

Q.No.	Question	CO	BLT
1	What are different types of building according to National Building Code?	3	1
2	Which are the information to be included in site plan?	3	1
3	What is Site Plan?	3	1
4	Explain in short various types of foundation with neat sketch.	3	3
5	Explain the concept of RCC.	3	1

UNIT-04/ASSIGNMENT-04

Q.No.	Question	CO	BLT
1	What are various modes of transportation?	4	1
2	What are the safety measures to avoid road accidents?	4	1
3	Explain characteristics of various modes of transportation.	4	1
4	Describe different types of road signals.	4	1
5	Write down various causes of accidents.	4	1

*BLT: BLT shows the **Bloom's taxonomy** levels



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UNIT-05/ASSIGNMENT-05

Q.No.	Question	CO	BLT
1	Define the term 'Biodiversity and Ecosystem'.	5	1
2	What do you mean by Eutrophication of river?	5	1
3	Write a short note on followings: (i) Sanitary Landfill (ii) Incineration	5	1
4	Explain different method for disposal of solid waste.	5	1
5	Discuss about various measures to control Water pollution and Noise pollution.	5	1

*BLT: BLT shows the **Bloom's taxonomy** levels