Question No.	Que	stic	ons	manuscrame of a minute of American
1.	The main purpose of research i			
	(1) Generate new knowledge	(2)	Waste time	
	(3) Copy existing work	(4)	Aviod experiments	
2.	Research is a process of:		See Secretary to the second banks. The state of	
	(1) Guessing	(2)	Systematic investigation	1
	(3) Random selection	(4)	Imitation	
3.	The first step in research is:			
entropy and the second	(1) Data collection	(2)	Selecting a topic	
	(3) Writing a report	(4)	Preparing bibliography	
4.	The meaning of research is:		Same and the same and the same and	
	(1) Repeating search	(2)	Random search	
	(3) Scientific investigation	(4)	Copying other's work	
5. (The scope of research depends	on:		
	(1) Researcher's interest	(2)	Objectives of study	onse (
	(3) Time and resources	(4)	All of the above	
6.	Scientific method of research in	vol	ves:	
	(1) Observation, hypothesis, ex	xpei	imentation, conclusion	exp(i) -0.
	(2) Coying from books	(Aleg	Hispating parting symmetric	
	(3) Reading novels			
	(4) None of these		Santana 701-03 Selina , elimita	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(1)

Question No.	Questions
7.	A good research topic should be: (1) Complex and confusing (2) Interesting and researchable (3) Randomly chosen (4) Out of syllabus
8.	Ethics in research means: (1) Following moral principles (2) Copying data (3) Using false data (4) Ignoring consent
9.	Plagiarism means: (1) Original writing (2) Using other's work without credit (3) Statistical analysis (4) Data entry
10.	The main method of primary data collection is: (1) Questionnaire (2) Journals (3) Internet (4) Library books
11.	Secondary data means: (1) Data collected first-hand (2) Data collected by others (3) Data not yet used (4) Imaginary data
12.	Questionnaire is used for: (1) Collecting numerical data (2) Collecting opinions or responses (3) Writing bibliography (4) Data coding

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(2)

SET-Y Code-A

Question No.	Questions
13.	A well-designed questionnaire should be: (1) Long and confusing (2) Short and clear (3) Without order (4) Irrelevant
14.	Interview method helps in: (1) Direct communication (2) Indirect guessing (3) Random testing (4) Online analysis
15.	Observation method means: (1) Watching carefully (2) Reading books (3) Ignoring data (4) Talking to experts
16.	Which of the following is a secondary source of data? (1) Census report (2) Survey by researcher (3) Interview (4) Questionnaire
17.	Pre-writing stage includes: (1) Planning and organizing ideas (2) Printing the report (3) Submitting the thesis (4) Binding the report
18.	Thesis writing requires: (1) Clear objectives and structure (2) Random thoughts (3) Copy-paste work (4) None

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(3)

Question No.	Questions
19.	Report writing should be: (1) Systematic and concise (2) Without references (3) Incomplete (4) Confusing
20.	Bibliography includes: (1) List of references used (2) Data tables (3) Abstract (4) Questionnaire
21.	Footnotes are given: (1) At the bottom of the page (2) At the top of the page (3) In the middle of report (4) Not needed
22.	Citation is used to: (1) Acknowledge sources (2) Hide sources (3) Copy content (4) Avoid originality
23.	Which of the following is a measure of central tendency? (1) Mean (2) Correlation (3) Regression (4) Deviation
24.	Median represents: (1) The middle value (3) The largest value (4) The average of all
25.	Mode is: (1) Most frequent value (2) Middle value (3) Highest value (4) Random number (5) EE-November, 2025 UIET(Civil Engineering) Code-A (4)

Quest. No.	
26.	Data analysis means: (1) Interpreting collected data (2) Ignoring data (3) Only collecting data (4) Printing reports
27.	Computers are used in research for: (1) Data analysis and storage (2) Playing games (3) Wasting time (4) Avoiding work
28.	Binary system uses: (1) Two digits (0 and 1) (2) Eight digits (3) Ten digits (4) Sixteen digits
29.	Octal system is based on: (1) 8 digits (2) 10 digits (3) 2 digits (4) 16 digits
(Hexadecimal system uses: 1) Digits 0-9 and letters A-F (2) Only numbers 3) Binary codes only (4) No letters
. D (1 (2 (3) (4)	Destroying data Copying data

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(5)

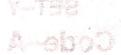
uestion No.	Questions	
32.	Quantitative research involves: (1) Numerical data (2) Stories and opinions (3) Emotions only (4) None of these	
33.	Qualitative research deals with: (1) Descriptive data (2) Numbers (3) Binary codes (4) Equations	
34.	Reliability of research means: (1) Consistency of results (2) Random errors (3) Changing answers (4) Guesswork	
35.	Validity means: (1) Accuracy of results (2) Random sampling (3) Guessing results (4) Data entry	
36.	Sampling means: (1) Selecting a portion from population (2) Measuring whole population (3) Ignoring data (4) Data entry	
37.	Hypothesis is: (1) A tentative assumption (2) A final proof (3) A theory (4) A data table This combon 2025 UIET(Civil Engineering) Code-A	

Question No.	Questions	
38.	Research report should include:	
	(1) Title, objectives, methods, results, conclusion	
11	(2) Only title	
	(3) Only data	
	(4) Only graphs	
39.	The abstract of a research paper give:	
	(1) Summary of the whole study	
	(2) Detailed explanation	
Section 18 market 18	(3) References	
	(4) Only data	3 4
40.	The term "population" in research means:	
September 196	(1) Entire group under study	
	(2) Only one person	
	(3) Sample only	
	(4) None	
41.	The "scope" of research explains:	
	(1) Limits and boundaries of study	
	(2) Definition of variables	
	(3) List of references	
	(4) None	
42.	Data can be classified as:	
	(1) Primary and secondary (2) Qualitative and Quantitative	
	(3) Both (1) and (2) (4) None	

PHD-EE-November, 2025 UIET(Civil Engineering)
(7)

7-130 Aughot)

uestion No.	Questions
43.	In research, variables are: (1) Characteristics that change (2) Fixed numbers (3) Random errors (4) None
44.	Review of literature means: (1) Studying earlier works (2) Ignoring previous research (3) Copying data (4) Data collection
45.	Research design means: (1) Overall plan of research (2) Printing of report (3) Bibliography (4) Thesis binding
46.	The objective of research is to: (1) Find answers to problems (2) Create confusion (3) Waste resources (4) None
47.	Data interpretation involves: (1) Drawing conclusions from data (2) Collecting raw data (3) Guessing (4) Ignoring results
48.	An appendix in a report contains: (1) Supplementary material (2) Abstract (3) Title page (4) References



Question No.	Questions	
49.	Which of the following is NOT a primary data collection method?	
	(1) Observation	
	(2) Questionnaire	
	(3) Internet article	
	(4) Interview	
50.	The final stage of research process is:	
	(1) Report writing and presentation	
	(2) Data collection	
	(3) Topic selection	
	(4) Hypothesis formation	
51.	Stress is defined as:	
	(1) Force × Area	
	(2) Force / Area	
	(3) Area / Force	
Annual Control Control	(4) None of these	
52.	The unit of strain is:	
	(1) N/m^2 (2) No unit	
	(3) mm (4) Joule	
53.	The point of contraflexure in a beam is the point where:	
	(1) Shear force is zero	
	(2) Bending moment is zero	
	(3) Bending moment changes sign	
	(4) None	
and the second	1 2005 THET/Civil Engineering) Code-A	

uestion No.	Questions		
54.	Poisson's ratio is the ratio of: (1) Lateral strain to longitudinal strain (2) Stress to strain (3) Longitudinal strain to lateral strain (4) None		
55.	In a simply supported beam, maximum bending moment occurs at: (1) Supports (2) Mid-span (3) Quarter span (4) None		
56.	Cement is mainly composed of: (1) Lime, silica, alumina, iron oxide (2) Lime and sand (3) Silica and clay (4) Gypsum only		
57.	The most common type of cement used in civil engineering is: (1) Quick setting (2) Portland pozzolana (3) Ordinary Portland Cement (OPC) (4) Sulphate resisting		
58	The main purpose of curing concrete is to: (1) Increase strength (2) Prevent shrinkage (3) Reduce permeability (4) All of these		

Question	Code-/
No.	Questions
59.	The safe bearing capacity of soil depends on:
	(1) Type of soil (2) Moisture content
	(3) Depth of foundation (4) All of these
60.	A flow in which the velocity at a point does not change with time is called
	(1) Steady flow (2) Unsteady flow
	(3) Uniform flow (4) Laminar flow
61.	Continuity equation in fluid mechanics is based on:
	(1) Law of momentum (2) Law of energy
	(3) Law of conservation of mass (4) None
62.	Bernoulli's theorem deals with:
	(1) Flow of heat (2) Conservation of energy
	(3) Conservation of momentum (4) None
63.	The main purpose of a stilling basin in a dam is to:
	(1) Store water (2) Reduce energy of flow
	(3) Prevent leakage (4) None
64.	Duty of water is:
	(1) Area irrigated per unit volume of water
	2) Volume of water per area
	3) Flow per area
	4) None
65.	Hydrology deals with:
	1) Rocks (2) Air
10	3) Water (4) Soil

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(11)

Question No.	Questions		
66.	The BOD test is used to measure: (1) Organic matter in water (2) Suspended solids (3) Hardness (4) Chlorides		
67.	pH value of pure water is: (1) 0 (2) 7 (3) 14 (4) 1	165	
68.	The main objective of sedimentation tank is to remove: (1) Suspended solids (2) Dissolved salts (3) Microbes (4) Gases		
69.	The main source of air pollution from vehicles is:		
70.	Municipal solid waste mainly consists of: (1) Plastic, glass, metal, food waste (2) Only food waste (3) Only plastic (4) None		
71.	Camber on roads is provided to: (1) Drain off rainwater (2) Reduce wear (3) Prevent glare (4) None		
72.	The ruling gradient for highways is: (1) Minimum gradient (2) Maximum gradient (3) Safe gradient (4) Average gradient (5) Lor 2025 IJET(Civil Engineering) Code-A		

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(12)

Question No.	Questions			
73.	The stopping sight distance depends on:			
	(1) Speed (2) Reaction time			
	(3) Friction (4) All of these			
74.	The function of ballast in railway track is to:			
	(1) Distribute load (2) Hold sleepers in position			
7.21 som	(3) Provide drainage (4) All of these			
75.	Surveying deals with:			
Period Substitute ((1) Measurement of distance, angles, and elevations			
Downson and	(2) Soil testing			
	(3) Concrete mixing			
Scale y July	(4) Foundation design			
76.	The line joining points of equal elevation is known as:			
	(1) Contour line (2) Ridge line			
	(3) Valley line (4) Level line			
77.	Chain surveying is suitable for:			
	(1) Large areas (2) Undulating areas			
	(3) Small level areas (4) None			
78.	Compaction of soil increases:			
	(1) Permeability (2) Strength			
mate at the contribution of the	(3) Compressibility (4) Void ratio			
79.	The liquid limit of soil is determined by:			
	(1) Casagrande apparatus (2) Permeameter			
	(3) Proctor test (4) Shear box			

Questic No.	Questions	- 2
80.	The critical hydraulic gradient is the condition of: (1) Quick sand (2) Seepage (3) Flow net (4) None	
81.	(3) Flow net (4) None The modulus of elasticity for steel is approximately: (1) 200 kN/mm² (2) 2×10 ⁵ N/mm² (3) 2×10 ⁵ kN/m² (4) None	
82.	The slenderness ratio is used in design of: (1) Beams (2) Columns (3) Slabs (4) Footings	
83.	One Newton is equal to: (1) 1 kg m/s ² (2) 1 kg/m ² (3) 1 N.m (4) None	0
84.	The centroid of a semicircular area lies at a distance of: (1) $4r/3\pi$ from the base (2) $r/2$ (3) $2r/\pi$ (4) None	
85.	The unit of moment of inertia is: (1) m^4 (2) m^3 (3) m^2 (4) N.m	
	Workability of concrete can be improved by: (1) Decreasing water-cement ratio (2) Increasing water-cement ratio (3) Reducing aggregates (4) None	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(14)

SET-Y Code-A

Question No.	Qı	ıestio	ons		
87.	The standard consistency of cement is:				
	(1) 30%	(2)	40%		
	(3) 25%	(4)	35%		
88.	The minimum cover for RCC	beam	is: A tracer		
	(1) 15 mm	(2)	25 mm		
	(3) 40 mm	(4)	50 mm		
89.	The main reinforcement in a	slab i	s provided along:		
* Annual Commence Com	(1) Shorter span	(2)	Longer span		
	(3) Diagonal	(4)	None		
90.	The permissible stress in mild steel (Fe250) is approximately:				
ART OF STREET	(1) 150 N/mm ²	(2)	250 N/mm ²		
•	(3) 140 N/mm ²	(4)	215 N/mm ²		
91.	A simply supported beam c	arryin	g a uniform load will have a bendin		
	moment diagram that is:	22424	Jones Hills and a market of the		
er er g angan ar 1 - Er er er er 1 - Er	(1) Parabolic	(2)	Linear		
	(3) Constant	(4)	Cubic		
92.	Maximum shear stress theory is applicable to:				
	(1) Ductile materials	(2)	Brittle materials		
	(3) Concrete	(4)	Wood		
93.	93. The best shape of a water tank for minimum surface area is:				
	(1) Rectangular	(2)	Cylindrical		
•	(3) Square	(4)	Circular		

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(15)



Question No.	Questions
94.	In open channel flow, the Froude number represents: (1) Ratio of inertia to gravity forces (2) Ratio of viscous to inertial forces (3) Ratio of gravity to inertia (4) None
95.	A manometer is used to measure: (1) Velocity (2) Pressure (3) Discharge (4) None
96.	The main purpose of providing expansion joints in structures is to: (1) Allow expansion/contraction (2) Prevent corrosion (3) Reduce load (4) Strengthen joints
97.	The unit weight of water is approximately: (1) 9.81 kN/m^3 (2) 10 kN/m^3 (3) 1000 kN/m^3 (4) 1 N/m^3
	The shape factor for a rectangular section is: (1) 1.5 (2) 1.7 (3) 2.0 (4) 3.0
	A cantilever beam has maximum deflection at: (1) Fixed end (2) Free and (3) Mid span (4) Quarter span
	The instrument used to measure horizontal and vertical angles is: (1) Compass (2) Theodolite (3) Level (4) Plane table

PHD-EE-November, 2025 UIET(Civil Engineering) Code-A
(16)

Question No.	Questio	ons			
1.	Camber on roads is provided to: (1) Drain off rainwater (2)	Reduce wear			
	(3) Prevent glare (4)	None			
2.	The ruling gradient for highways is				
x	(1) Minimum gradient (2)	Maximum gradient			
	(3) Safe gradient (4)	Average gradient			
3.	The stopping sight distance depend	ls on:			
	(1) Speed (2)	Reaction time			
	(3) Friction (4)	All of these			
4.	The function of ballast in railway track is to:				
	(1) Distribute load (2)	Hold sleepers in position			
	(3) Provide drainage (4)	All of these			
5.	Surveying deals with: (1) Measurement of distance, angle (2) Soil testing (3) Concrete mixing (4) Foundation design	les, and elevations			
6.	The line joining points of equal elevation is known as:				
	(1) Contour line (2)	Ridge line			
	(3) Valley line (4)	Levelline			
7.	Chain surveying is suitable for:	in Magazian Aines es bros (3)			
	(1) Large areas (2)	Undulating areas			
		어느 있는 그 말에 그렇게 되었다. 그렇지 않는 하는 이 아들은 사람들이 가장 하는 것이 되었다. 그렇게 되었다는 것이 없는 것이다.			

uestion No.	Questions
8.	Compaction of soil increases: tot belivorg at absornous and the state of the state
	(1) Permeability one (1) Strengthynia floria (2) Strengthynia floria (3) Compressibility one (4) Void ratio
9.	The liquid limit of soil is determined by:
	(1) Casagrande apparatus (2) Permeameter
	(3) Proctor test (4) Shear box
10.	The critical hydraulic gradient is the condition of:
	(1) Quick and mit north (2) Seepage
	(3) Flow net (4) None
11.	Stress is defined as: total results and stress is defined as:
	그는 그는 그리고 하면서 맛있다면 하고 있는데 그런데 그릇이 있다면 하는데 하는데 하는데 하는데 그를 모르고 하는데 그렇게 하는데
	(1) Force × Area seed to IIA (1) against a final (2) Force / Area
and the second	(3) Area / Force
	(4) None of these valo bas angles, constab to increase with
12.	The unit of strain is:
	(1) N/m ² (2) No unit ment and a second of the contract of th
	(3) mm (4) Joule
13.	The point of contraflexure in a beam is the point where:
	(1) Shear force is zero (1)
	(2) Bending moment is zero
	(3) Bending moment changes sign
	(4) None one of (b) page is self-time.
e e additional fe	1 2 2005 IHET/Civil Engineering Calab

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B

Code-B

Question		ae-
No.	Questions	No.
14.	Poisson's ratio is the ratio of live to visages gained else edl	.Gi
	(1) Lateral strain to longitudinal strain	
mentanak catamin Parance Inspections	(2) Stress to strain (4) noitabauol lo diqed (8)	
offen ei	(3) Longitudinal strain to lateral strain over a mondy mi woll A	.08
	(1) Steady flow (2) Unsteady flow enon (4)	
15.	(3) Uniform flow (4) I eminerally	
10.	In a simply supported beam, maximum bending moment occurs a	t:
	(1) Supports (2) Mid-span (3) Overter and decided and one state guides and (1)	1.2 67
	(3) Quarter span (4) None gish gaiyoniae(1 (2)	
16.	Cement is mainly composed of:	
	(1) Lime, silica, alumina, iron oxide (4)	
	(2) Lime and sand : Eavlove darasear ovitationer	1 gray 879.
	(3) Silica and clay samuels (2) subharracin (1)	
	(4) Gypsum only (E)	
17.	The most common type of cement used in civil engineering is:	115
	(1) Quick setting	
en grande de la companya de	(2) Portland pozzolana (5)	
	(3) Ordinary Portland Cement (OPC)	
	(1) Congletance of results (2) dandon errors	Control and Contro
	(4) Sulphate resisting	THE CONTRACTOR OF THE CONTRACT
18.	The main purpose of curing concrete is to:	
	(1) Increase strength (2) Prevent shrinkage (1)	A Company
	(3) Reduce permeability (4) All of these Roll Museum (E)	Carlotte and Carlotte
Service Companies		The second second

Questio No.	n Q	uesti	ons
19.	The safe bearing capacity of	soil d	epends on:
	(1) Type of soil	(2)	Moisture content
	(3) Depth of foundation	(4)	All of these
20.	A flow in which the velocity	at a po	oint does not change with time is called
	(1) Steady flow	(2)	Unsteady flow
	(3) Uniform flow	(4)	Laminar flow
21.	Data coding means:		
	(1) Converting data into nu	ımeric	al form
	(2) Destroying data		도 전 및 교회 (조건) - (2.14) (2.15
The Assert	(3) Copying data		
	(4) Deleting data		eligi delegga de sameneg e gaz mengan ci ci distribu
22.	Quantitative research involv	es:	
	(1) Numerical data	(2)	Stories and opinions
	(3) Emotions only	(4)	None of these
23.	Qualitative research deals wi	th:	
	(1) Descriptive data	(2)	Numbers
	(3) Binary codes	(4)	Equations
24.	Reliability of research means	•	
	(1) Consistency of results	(2)	Random errors
	(3) Changing answers	(4)	Guesswork
0-	Validity means:		
25.			
	(1) Accuracy of results	(2)	Random sampling

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(4)

Questio No.	Questions	
26.	Sampling means: (1) Selecting a portion from population (2) Measuring whole population (3) Ignoring data (4) Data entry	
27.	Hypothesis is: (1) A tentative assumption (2) A final proof (3) A theory (4) A data table	
	Research report should include: (1) Title, objectives, methods, results, conclusion (2) Only title (3) Only data (4) Only graphs	
29. T (1) (2) (3) (4)	Detailed explanation References	
(1) (2) (3) (4)	e term "population" in research means: Entire group under study Only one person Sample only None	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(5)

uestion No.	Questions
31.	Secondary data means: (1) Data collected first-hand (2) Data collected by others (3) Data not yet used (4) Imaginary data
32.	Questionnaire is used for: (1) Collecting numerical data (2) Collecting opinions or responses (3) Writing bibliography (4) Data coding
33.	A well-designed questionnaire should be: (1) Long and confusing (2) Short and clear (3) Without order (4) Irrelevant
34.	Interview method helps in: (1) Direct communication (2) Indirect guessing (3) Random testing (4) Online analysis
35.	Observation method means: (1) Watching carefully (2) Reading books (3) Ignoring data (4) Talking to experts
36.	Which of the following is a secondary source of data? (1) Census report (2) Survey by researcher (3) Interview (4) Questionnaire E-November 2005 INTERVIEW

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(6)

Question	The state of the s	ae-t
No.	Questions	
37.	Pre-writing stage includes:	1000
	(1) Planning and organizing ideas	
	(2) Printing the report	
	(3) Submitting the thesis	
	(4) Binding the report	
38.	Thesis writing requires:	
	(1) Clear objectives and structure	
	(2) Random thoughts	
	(3) Copy-paste work	
	(4) None	
39.	Report writing should be:	
	(1) Systematic and concise (2) Without references	
	(3) Incomplete (4) Confusing	
40.	Bibliography includes:	
	(1) List of references used (2) Data tables	i h
	(3) Abstract (4) Questionnaire	
The Automotive Control of the	A simply supported beam carrying a uniform load will have a b	endin
	맛있다면서, 이용물을 막으면 한 경에 가셨다. 이렇게 내 가게 되었다. 나를 다 되었다면 하는데 하다.	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	(3) Constant (4) Cubic	
42.	Maximum shear stress theory is applicable to:	()
	(1) Ductile materials (2) Brittle materials	e de la constante de la consta
	(3) Concrete (4) Wood	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B

(7)

Question No.	Ques	stio	ns		
43.	The best shape of a water tank for minimum surface area is:				
	(1) Rectangular	(2)	Cylindrical		
	(3) Square	(4)	Circular		
44.	In open channel flow, the Frou	de n	umber represents:		
	(1) Ratio of inertia to gravity				
	(2) Ratio of viscous to inertial	for	ces		
	(3) Ratio of gravity to inertia				
	(4) None ago on a war at a gran	my!			
45.	A manometer is used to measu	re:			
	(1) Velocity	(2)	Pressure		
	(3) Discharge	(4)	None		
46.	The main purpose of providing expansion joints in structures is to:				
	(1) Allow expansion/contraction				
×	(3) Reduce load	(4)	Strengthen joints		
47.	The unit weight of water is app	roxi	mately:		
	(1) 9.81 kN/m ³	(2)	$10 \mathrm{kN/m^3}$		
	(3) 1000 kN/m ³	(4)	1 N/m³		
48.	The shape factor for a rectangular section is:				
	(1) 1.5				
	(3) 2.0	(4)	3.0		
49.	A cantilever beam has maximum deflection at:				
	(1) Fixed end	(2)	Free and		
	(3) Mid span	(4)	Quarter span		

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(8)

Question No.	Que	stic	ons		
50.	The instrument used to measure horizontal and vertical angles is:				
	(1) Compass	(2)	Theodolite		
	(3) Level	(4)	Plane table		
51.	Continuity equation in fluid me	cha	nics is based on:		
-	(1) Law of momentum	(2)	Law of energy		
	(3) Law of conservation of mass	(4)	None		
52.	Bernoulli's theorem deals with:				
	(1) Flow of heat	(2)	Conservation of energy		
	(3) Conservation of momentum	(4)	None		
53.	The main purpose of a stilling b	asi	n in a dam is to:		
	(1) Store water	(2)	Reduce energy of flow		
	(3) Prevent leakage	(4)	None		
54.	Duty of water is:				
	(1) Area irrigated per unit vol	ume	e of water		
×	(2) Volume of water per area	(Si) i			
	(3) Flow per area				
	(4) None				
The second secon					
55.	Hydrology deals with:	(4)	Alecc Research		
	(1) Rocks	(2)	Air		
	(3) Water	(4)	Soil		
56.	The BOD test is used to measu	re:			
	(1) Organic matter in water	(2)	Suspended solids		
		(4)	Chlorides		

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B

Question No.	Q	uestio	ns
57.	pH value of pure water is:		mon of bren me wards
	(1) 0	(2)	7
	(3) 14	(4)	1
58.	The main objective of sedime	entatio	on tank is to remove:
a de Maria Lamas	(1) Suspended solids		Dissolved salts
	(3) Microbes	(4)	Gases
59.	The main source of air pollu	tion fro	om vehicles is:
	(1) SO ₂	(2)	CO
	(3) CO ₂	(4)	N_2
60.	Municipal solid waste mainl	y consi	sts of:
	(1) Plastic, glass, metal, foo	od was	te
	(2) Only food waste		
	(2) Only food waste (3) Only plastic		
61.	(3) Only plastic(4) NoneThe modulus of elasticity for	· steel	is approximately:
61.	(3) Only plastic(4) NoneThe modulus of elasticity for	steel (2)	is approximately: 2×10 ⁵ N/mm ²
61.	(3) Only plastic (4) None	(2)	is approximately: 2×10 ⁵ N/mm ² None
	 (3) Only plastic (4) None The modulus of elasticity for (1) 200 kN/mm² 	(2)	2×10 ⁵ N/mm ² None
61.	 (3) Only plastic (4) None The modulus of elasticity for (1) 200 kN/mm² (3) 2×10⁵ kN/m² The slenderness ratio is use 	(2)	2×10 ⁵ N/mm ² None
	 (3) Only plastic (4) None The modulus of elasticity for (1) 200 kN/mm² (3) 2×10⁵ kN/m² The slenderness ratio is use 	(2) (4) d in de	2×10 ⁵ N/mm ² None sign of:
	 (3) Only plastic (4) None The modulus of elasticity for (1) 200 kN/mm² (3) 2×10⁵ kN/m² The slenderness ratio is used (1) Beams 	(2) (4) d in de (2)	2×10 ⁵ N/mm ² None sign of: Columns
62.	(3) Only plastic (4) None The modulus of elasticity for (1) 200 kN/mm² (3) 2×10 ⁵ kN/m² The slenderness ratio is use (1) Beams (3) Slabs	(2) (4) d in de (2)	2×10 ⁵ N/mm ² None sign of: Columns

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(10)

Question No.	Questions	18 M
64.	The centroid of a semicircular area lies at a distance of:	T. Pa
	(1) $4r/3\pi$ from the base $\frac{1}{2} \ln(2) \cdot \frac{1}{2} \ln \ln 1$ (1)	
	(3) $2r/\pi$ (4) None was to applicate (4)	
65.	The unit of moment of inertia is:	
	(1) m^4 (2) m^3	
	(3) m ² (4) N.m	487
66.	Workability of concrete can be improved by:	The safety flags of the safety
	(1) Decreasing water-cement ratio	
· And	(2) Increasing water-cement ratio	ACTIVATION OF THE PARTY OF
	(3) Reducing aggregates	- 25
	(4) None sendence track (2)	
67.	The standard consistency of cement is:	
	(1) 30% (2) 40%	
	(3) 25% (4) 35%	· Topperoces
68.	The minimum cover for RCC beam is:	***************************************
	(1) 15 mm (2) 25 mm	
	(3) 40 mm (4) 50 mm	and the second s
69.	The main reinforcement in a slab is provided along:	.77
	(1) Shorter span (2) Longer span	
	(3) Diagonal (4) None	
	And the second s	era i e e e e e e e e e e e e e e e e e e
70.	The permissible stress in mild steel (Fe250) is approximately:	
	(1) 150 N/mm ² (2) 250 N/mm ²	
	(3) 140 N/mm ² (4) 215 N/mm ²	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(11)

Question No.	Questions	
71.	The "scope" of research explains: (1) Limits and boundaries of study (2) Definition of variables (3) List of references (4) None	
72.	Data can be classified as: (1) Primary and secondary (2) Qualitative and Quantitative (3) Both (1) and (2) (4) None	
73.	In research, variables are: (1) Characteristics that change (2) Fixed numbers (3) Random errors (4) None	
74.	Review of literature means: (1) Studying earlier works (2) Ignoring previous research (3) Copying data (4) Data collection	
75.	Research design means: (1) Overall plan of research (2) Printing of report (3) Bibliography (4) Thesis binding	
76.	The objective of research is to: (1) Find answers to problems (2) Create confusion (3) Waste resources (4) None	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(12)

Question No.	Questions	de-
77.	Data interpretation involves: (1) Drawing conclusions from data (2) Collecting raw data (3) Guessing (4) Ignoring results	
78.	An appendix in a report contains: (1) Supplementary material (2) Abstract (3) Title page (4) References	
79.	Which of the following is NOT a primary data collection method? (1) Observation (2) Questionnaire (3) Internet article (4) Interview	1. 1 年本 1844年 (清) 清
	The final stage of research process is: (1) Report writing and presentation (2) Data collection (3) Topic selection (4) Hypothesis formation	
	Footnotes are given: (1) At the bottom of the page (2) At the top of the page (3) In the middle of report (4) Not needed	
	Citation is used to: (1) Acknowledge sources (2) Hide sources (3) Copy content (4) Avoid originality	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(13)

Question No.	One of the contract of the con	Coldina	A STATE OF THE STA			
83.	Which of the following is a mea	sur	e of central tendency?	The same		
	(1) Mean	(2)	Correlation			
	(3) Regression	(4)	Deviation as guidaello (S)			
84.	Median represents:		eiluser aninongi - (b)	e de la companya de l		
	(1) The middle value	(2)	The smallest value	And the second s		
	(3) The largest value		The average of all made of			
85.	Mode is:	* * *	Beggg Silver (S	No.		
	(1) Most frequent value		Middle value			
	(3) Highest value	(4)	Random number			
86.	Data analysis means:					
	(1) Interpreting collected data	a	interturt article			
	(2) Ignoring data		11 Laterview			
	(3) Only collecting data	· maker-state				
	(4) Printing reports	3 84	ng i recent to cyeta land or			
87.	Computers are used in research for:					
	(1) Data analysis and storage	(2)	Playing games			
	(3) Wasting time	(4)	Avoiding work			
88.	Binary system uses:					
	(1) Two digits (0 and 1)	(2)	Eight digits	+		
	(3) Ten digits	(4)	한 경우 하면 이 이 없는데 아니다 그 그 그는 것이다고 보는데 그			
89.	Octal system is based on:					
	(1) 8 digits	(2)	10 digits			
	(3) 2 digits	(4)	16 digits			

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(14)

i anu

Code_B

Questio No.	Questions	No.
90.	Hexadecimal system uses: : : : : : : : : : : : : : : : : : :	.10
91.	The main purpose of research is to: (1) Generate new knowledge (2) Waste time (3) Copy existing work (4) Aviod experiments	and the second s
92.	Research is a process of: (1) Guessing (2) Systematic investigation (3) Random selection (4) Imitation	
93.	The first step in research is: (2) gniding ladigit (1) (1) Data collection (2) Selecting a topic graphs (3) (3) Writing a report (4) Preparing bibliography	
94.	The meaning of research is: (1) Repeating search (3) Scientific investigation (4) Copying other's work (5)	96
95.	The scope of research depends on: (1) Researcher's interest (2) Objectives of study (3) Time and resources (4) All of the above	
96.	Scientific method of research involves: (1) Observation, hypothesis, experimentation, conclusion (2) Coying from books (3) Reading novels (4) None of these	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-B
(15)

uestion No.	Questions
97.	A good research topic should be:
	(1) Complex and confusing (2) Interesting and researchable
	(3) Randomly chosen (4) Out of syllabus
98.	Ethics in research means:
	(1) Following moral principles
	(2) Copying data
	(3) Using false data
	(4) Ignoring consent
99.	Plagiarism means:
4	(1) Original writing (2) Using other's work without credit
	(3) Statistical analysis (4) Data entry
100.	The main method of primary data collection is:
*	(1) Questionnaire (2) Journals
	(3) Internet (4) Library books
	to the salar for the salar
	The state of the control of publication is now the control of the state of the stat
	하는 물로 보고 있는데 가게 하면 하다고 하면 어려면 모습니다. 그들은 그는 없는데 하면 하는데 그렇게 되었다. 그는데 그리다 그 그리다 그 때문에 다른데 그리다.
DEE	
D-EE.	November, 2025 UIET(Civil Engineering) Code-B (16)
1	(16) Engineering) Coll T

SET-"Y" (Total No. of printed pages: 17)

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

PHD-EE, November-2025 **UIET (CIVIL ENGINEERING)**

10074



Time: 11/4 Hours	Total Quest	ions : 100	Max. Marks: 100
Roll No	(in figure)		(in words)
Name:			
Father's Name:			1
Date of Examination:			
(Signature of the candid	ate)	(Signatu	re of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

All questions are compulsory.

The candidates must return the Question book-let as well as OMR answer-sheet to the Invigilator concerned before leaving the Examination Hall, I failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.

3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by

the candidate.

Question Booklet along-with answer key of all the A,B,C and D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case will be considered.

The candidate MUST NOT do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question book-let itself. Answers

MUST NOT be ticked in the Question book-let.

There will be negative marking and a deduction of 0.25 marks for each 6. wrong answers. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.

Use only Black or Blue BALL POINT PEN of good quality in the OMR Answer-7.

Sheet.

BEFORE ANSWERING THE QUESTIONS, THE CANDIDATES SHOULD 8. ENSURE THAT THEY HAVE BEEN SUPPLIED CORRECT AND COMPLETE BOOK-LET. COMPLAINTS, IF ANY, REGARDING MISPRINTING ETC. WILL NOT BE ENTERTAINED 30 MINUTES AFTER STARTING OF THE EXAMINATION.

Question No.	Questions
1.	The "scope" of research explains: (1) Limits and boundaries of study (2) Definition of variables (3) List of references (4) None
2.	Data can be classified as: (1) Primary and secondary (2) Qualitative and Quantitative (3) Both (1) and (2) (4) None
3.	In research, variables are: (1) Characteristics that change (2) Fixed numbers (3) Random errors (4) None
4.	Review of literature means: (1) Studying earlier works (2) Ignoring previous research (3) Copying data (4) Data collection
5.	Research design means: (1) Overall plan of research (2) Printing of report (3) Bibliography (4) Thesis binding
6.	The objective of research is to: (1) Find answers to problems (2) Create confusion (3) Waste resources (4) None

PHD-EE-November, 2025 UIET(Civil Engineering) Code-C

Question No.	Questions
7.	Data interpretation involves:
	(1) Drawing conclusions from data
- 1	(2) Collecting raw data
- 1	(3) Guessing
	(4) Ignoring results
8.	An appendix in a report contains:
	(1) Supplementary material (2) Abstract
	(3) Title page (4) References
9.	Which of the following is NOT a primary data collection method?
	(1) Observation
	(2) Questionnaire
	(3) Internet article
	(4) Interview
10.	The final stage of research process is:
(1) Report writing and presentation
(2) Data collection
(3) Topic selection
(4	4) Hypothesis formation
11. F	ootnotes are given:
(1	At the bottom of the page (2) At the top of the page
(3	
2. C	itation is used to:
(1)	Acknowledge sources (2) Hide sources
(3)	Copy content (4) Avoid originality Vovember, 2025 UIET(Civil Engineering) Code-C

stion No.	Questions
13.	Which of the following is a measure of central tendency?
	(1) Mean (2) Correlation
	(3) Regression (4) Deviation
14.	Median represents:
	(1) The middle value (2) The smallest value
	(3) The largest value (4) The average of all
15.	Mode is:
	(1) Most frequent value (2) Middle value
	(3) Highest value (4) Random number
16	Data analysis means:
10.	(1) Interpreting collected data
	(2) Ignoring data
	(3) Only collecting data
	(4) Printing reports
17	Computers are used in research for:
	(1) Data analysis and storage (2) Playing games
	(3) Wasting time (4) Avoiding work
18	Binary system uses:
	(1) Two digits (0 and 1) (2) Eight digits
	(3) Ten digits (4) Sixteen digits
1	Octal system is based on:
1	(1) 8 digits (2) 10 digits
1	(3) 2 digits (4) 16 digits

Question No.	Questions Hexadecimal system uses:					
20.						
	(1) Digits 0-9 and letters A	-F (2)	Only numbers			
	(3) Binary codes only	(4)	No letters			
21.	The main purpose of research is to:					
	(1) Generate new knowledg	ge (2)	Waste time			
	(3) Copy existing work	(4)	Aviod experiments			
22.	Research is a process of:					
	(1) Guessing	(2)	Systematic investigation	24		
	(3) Random selection	(4)	Imitation			
23.	The first step in research is:					
	(1) Data collection	(2)	Selecting a topic			
	(3) Writing a report	(4)	Preparing bibliography			
24.	The meaning of research is:					
	(1) Repeating search	(2)	Random search			
	(3) Scientific investigation	(4)	Copying other's work	•		
25.	The scope of research depends on:					
	(1) Researcher's interest	(2)	Objectives of study			
	(3) Time and resources	(4)	All of the above			
26.	Scientific method of research involves:					
	(1) Observation, hypothesis, experimentation, conclusion					
	(2) Coying from books					
	(3) Reading novels					
	(4) None of these					

Question No.	Questions					
27.	A good research topic should be:					
7	(1)	Complex and confusing	(2)	Interesting and researchable		
	(3)	Randomly chosen	(4)	Out of syllabus		
28.	Ethics in research means:					
	(1)	Following moral principle	es			
	(2)	Copying data				
	(3)	Using false data				
	(4)	Ignoring consent		e e		
29.	Plagiarism means:					
	(1)	Original writing	(2)	Using other's work without credit		
	(3)	Statistical analysis	(4)	Data entry		
30.	The main method of primary data collection is:					
	(1)	Questionnaire	(2)	Journals		
	(3)	Internet	(4)	Library books		
31.	A simply supported beam carrying a uniform load will have a bending moment diagram that is:					
	(1)	Parabolic	(2)	Linear		
	(3)	Constant	(4)	Cubic		
32.	Maximum shear stress theory is applicable to:					
	(1)	Ductile materials	(2)	Brittle materials		
	(3)	Concrete	(4)	Wood		

PHD-EE-November, 2025 UIET(Civil Engineering) Code-C
(5)

Question No.		Ques	stio	ns			
33.	The best shape of a water tank for minimum surface area is:						
	(1) Rectangu	lar	(2)	Cylindrical			
	(3) Square		(4)	Circular			
34.	In open channel flow, the Froude number represents:						
	(1) Ratio of i	nertia to gravity	forc	es			
- 1	(2) Ratio of v	riscous to inertial	fore	ces	2.5		
	(3) Ratio of g	ravity to inertia					
	(4) None						
35.	A manometer	is used to measu	re:	*			
4	(1) Velocity		(2)	Pressure			
143.9	(3) Discharg	e	(4)	None			
36.	The main purpose of providing expansion joints in structures is to:						
	(1) Allow exp	ansion/contraction	(2)	Prevent corrosion			
	(3) Reduce l	oad	(4)	Strengthen joints			
37.	The unit weight of water is approximately:						
1	(1) 9.81 kN/s	m ³	(2)	10 kN/m ³			
	(3) 1000 kN/	m³	(4)	1 N/m ³			
38.	The shape fac	ctor for a rectangu	ılar	section is:	-		
	(1) 1.5		(2)	1.7			
	(3) 2.0		(4)	3.0			
39.	A cantilever b	eam has maximu	m d	eflection at:			
	(1) Fixed en	d	(2)	Free and			
-	(3) Mid spar	1	(4)	Quarter span			

uestion No.	Que	stio	ns		
40.	The instrument used to measure horizontal and vertical angles is:				
	(1) Compass	(2)	Theodolite		
	(3) Level	(4)	Plane table		
41.	Continuity equation in fluid me	cha	nics is based on:		
	(1) Law of momentum	(2)	Law of energy		
	(3) Law of conservation of mass	(4)	None		
42.	Bernoulli's theorem deals with				
	(1) Flow of heat	(2)	Conservation of energy		
	(3) Conservation of momentum	(4)	None		
43.	The main purpose of a stilling	basi	n in a dam is to:		
	(1) Store water	(2)	Reduce energy of flow		
	(3) Prevent leakage	(4)	None		
44.	Duty of water is:				
	(1) Area irrigated per unit vo	lum	e of water		
	(2) Volume of water per area				
	(3) Flow per area				
	(4) None	1	e grafit in a comment of the comment		
45.	Hydrology deals with:				
	(1) Rocks	(2)	Air		
	(3) Water	(4)	Soil		
46.	The BOD test is used to meas	ure			
ALDECASA)	(1) Organic matter in water	(2	Suspended solids		
	(3) Hardness	(4) Chlorides		

PHD-EE-November, 2025 UIET(Civil Engineering) Code-C (7)

		Jour C				
Question No.	Questions	->				
47.	pH value of pure water is:					
	(1) 0 (2) 7					
	(3) 14 (4) 1					
48.	The main objective of sedimentation tank is to remove:					
	(1) Suspended solids (2) Dissolved salts					
	(3) Microbes (4) Gases	(20)				
49.	The main source of air pollution from vehicles is:	į.				
	(1) SO ₂ (2) CO					
	(3) CO ₂ (4) N ₂					
50.	Municipal solid waste mainly consists of:					
	(1) Plastic, glass, metal, food waste					
	(2) Only food waste	7				
	(3) Only plastic					
	(4) None					
51.	Data coding means:					
	(1) Converting data into numerical form					
	(2) Destroying data					
	(3) Copying data	9				
	(4) Deleting data	*				
52.	Quantitative research involves:					
	(1) Numerical data (2) Stories and opinions	7				
200	(3) Emotions only (4) None of these					
- 1						

uestion No.	Q	uestic	ons				
53.	Qualitative research deals with:						
	(1) Descriptive data	(2)	Numbers				
	(3) Binary codes	(4)	Equations				
54.	Reliability of research means	3:					
	(1) Consistency of results	(2)	Random errors				
	(3) Changing answers	(4)	Guesswork				
55.	Validity means:						
	(1) Accuracy of results	(2)	Random sampling				
	(3) Guessing results	(4)	Data entry				
56.	Sampling means:	28	ettern til som en at men er				
- 10-00 113	(1) Selecting a portion from	popul	lation				
	(2) Measuring whole popula	tion					
	(3) Ignoring data						
4 1	(4) Data entry		1 m = 1 2 L				
57.	Hypothesis is:						
	(1) A tentative assumption	(2)	A final proof				
	(3) A theory	(4)	A data table				
58.	Research report should include:						
	(1) Title, objectives, method	All with the second sec					
	(2) Only title		(M)				
	(3) Only data	startith s	and the second s				
2.7	(4) Only graphs	14.					

nestion No.	Questions
65.	Surveying deals with:
	(1) Measurement of distance, angles, and elevations
	(2) Soil testing
	(3) Concrete mixing
	(4) Foundation design
66.	The line joining points of equal elevation is known as:
3-1-	(1) Contour line (2) Ridge line
1	(3) Valley line (4) Level line
	All Andrews (Control of Control o
67.	Chain surveying is suitable for: (1) Large areas (2) Undulating areas
1	(I) Darge area.
	(3) Small level areas (4) None
68.	Compaction of soil increases:
	(1) Permeability (2) Strength
T	(3) Compressibility (4) Void ratio
69.	The liquid limit of soil is determined by:
05.	(1) Casagrande apparatus (2) Permeameter
	(3) Proctor test (4) Shear box
1	The state of the s
70.	The critical hydraulic gradient is the condition of:
-	(1) Quick sand (2) Scopage
1	(3) Flow net (4) None
71.	The modulus of elasticity for steel is approximately:
	(1) 200 kN/mm^2 (2) $2 \times 10^5 \text{ N/mm}^2$
j	(3) 2×10 ⁵ kN/m ² (4) None

PHD-EE-November, 2025 UIET(Civil Engineering) Code-C (11)

PHD-E	E-November, 2025 UIET(Civil Engineering) Code-C
LILDIA	
	(10)
l.	()

			Co		
uestion No.	of the contribution of the Q	uestio	ns	,	
59.	The abstract of a research paper give:				
	(1) Summary of the whole study				
	(2) Detailed explanation		* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	(3) References				
	(4) Only data	*			
60.	The term "population" in res	earch i	neans:		
	(1) Entire group under stu	dy	he wife and		
	(2) Only one person				
A - 1	(3) Sample only				
	(4) None				
61.	Camber on roads is provide	d to:	and the second		
	(1) Drain off rainwater	(2)	Reduce wear		
	(3) Prevent glare	(4)	None		
62.	The ruling gradient for high	ways is	real arrangement	-	
-	(1) Minimum gradient	(2)	Maximum gradient		
	(3) Safe gradient	(4)	Average gradient		
63.	The stopping sight distance	depen	ds on:		
	(1) Speed	(2)	Reaction time	7 - 1-77	
	(3) Friction	(4)	All of these		
64.	The function of ballast in ra	ilway t	rack is to:	139	
	(1) Distribute load	(2)	Hold sleepers in position	IN.	
	(3) Provide drainage	(4)	All of these	(1712HH11)	

Question No.		N.	Que	estic	ons		750
72.	The slenderness ratio is used in design of:						
	(1)	Beams		(2)	Columns		
	(3)	Slabs		(4)	Footings	* 5	
73.	One	Newton is equa	ıl to:		to the specific con-		
4 2	(1)	1 kg m/s ²	4	(2)	1 kg/m ²		
	(3)	1 N.m		(4)	None		
74.	The	centroid of a se	micircular	area	lies at a distance of	:	
	(1)	$4r/3\pifrom$ the	base	(2)	r/2		1
	(3)	$2r/\pi$		(4)	None		
75.	The	unit of moment	of inertia	is:	مثاما باراسيامه		
- 5	(1)	m ⁴		(2)	m^3		
	(3)	m^2		(4)	N.m		
76.	Wor	kability of conc	rete can be	imp	roved by:		
	(1)	Decreasing wat	ter-cement	rati	0 .		
	(2)	Increasing wat	er-cement	ratio			
	(3)	Reducing aggre	egates		3.		
	(4)	None					
77.	The	standard consis	stency of ce	men	t is:		
	(1)	30%	111.30	(2)	40%	- 1	
	(3)	25%	(marie Medical)	(4)	35%	3	
78.	The	minimum cover	for RCC b	eam	is:	140.01.154 (8)	of the same
	(1)	15 mm	Maje	(2)	25 mm	100	in and
22/3	(3)	40 mm		(4)	50 mm		

uestion No.	Que	estio	ns		
79.	The main reinforcement in a slab is provided along:				
	(1) Shorter span	(2)	Longer span		
	(3) Diagonal	(4)	None		
80.	The permissible stress in mild	stee	l (Fe250) is approximately:		
	(1) 150 N/mm ²	(2)	250 N/mm ²		
	(3) 140 N/mm ²	(4)	215 N/mm ²		
81.	Secondary data means:		1		
	(1) Data collected first-hand				
	(3) Data not yet used	(4)	Imaginary data		
82.	Questionnaire is used for:				
	(1) Collecting numerical data				
	(2) Collecting opinions or res	pons	es		
	(3) Writing bibliography				
	(4) Data coding				
83.	A well-designed questionnaire				
	(1) Long and confusing		Short and clear		
		(1)	Irrelevant		
	(3) Without order	(4)	Hielevant		
84.	(3) Without order Interview method helps in:	(4)	IIIelevant		
84.		(2)	Indirect guessing		
84.	Interview method helps in:	(2)			
84.	Interview method helps in: (1) Direct communication	(2)	Indirect guessing Online analysis		
	Interview method helps in: (1) Direct communication (3) Random testing	(2)	Indirect guessing		

PHD-EE-November, 2025 UIET(Civil Engineering) Code-C (13)

Question No.	Questions							
86.	Which of the following is a secondary source of data?							
	(1) Census report (2) S	Survey by researcher						
	(3) Interview (4) (Questionnaire						
87.	Pre-writing stage includes:	rain billione ye						
	(1) Planning and organizing ideas							
	(2) Printing the report							
	(3) Submitting the thesis	a pa						
W.	(4) Binding the report							
88.	Thesis writing requires:							
	(1) Clear objectives and structure	min mark man aring XR						
	(2) Random thoughts	d compage all dest						
	(3) Copy-paste work							
	(4) None	and the second section of the						
89.	Report writing should be:							
	(1) Systematic and concise (2) V	Vithout references						
	(3) Incomplete (4) C	Confusing						
90.	Bibliography includes:	and the state of t						
	(1) List of references used (2) I	Data tables						
	(3) Abstract (4) G	Questionnaire						
91.	Stress is defined as:	knot sy min a						
	(1) Force × Area (2) F	Force / Area						
- 1	(3) Area / Force (4) N	None of these						

J-3000

Question No.	Questions
92.	The unit of strain is: (1) N/m² (2) No unit (3) mm (4) Joule
93.	The point of contraflexure in a beam is the point where: (1) Shear force is zero
	(2) Bending moment is zero (3) Bending moment changes sign (4) None
94.	Poisson's ratio is the ratio of: (1) Lateral strain to longitudinal strain (2) Stress to strain
	(3) Longitudinal strain to lateral strain (4) None
95.	In a simply supported beam, maximum bending moment occurs at: (1) Supports (2) Mid-span (3) Quarter span (4) None
96.	Cement is mainly composed of: (1) Lime, silica, alumina, iron oxide (2) Lime and sand (3) Silica and clay (4) Gypsum only

PHD-EE-November, 2025 UIET(Civil Engineering) Code-C (15)

Question No.	Questions					
97.	The most common type of cement used in civil engineering is:					
	(1) Quick setting					
	(2) Portland pozzolana					
	(3) Ordinary Portland Cement (OPC)					
	(4) Sulphate resisting					
	(1) Surpliate resisting					
98.	The main purpose of curing concrete is to:					
	(1) Increase strength (2) Prevent shrinkage					
10000	(3) Reduce permeability (4) All of these					
99.	The safe bearing capacity of soil depends on:					
	(1) Type of soil (2) Moisture content					
	(3) Depth of foundation (4) All of these					
100.	A flow in which the velocity at a point does not change with time is called					
	(1) Steady flow (2) Unsteady flow					
	(3) Uniform flow (4) Laminar flow					
	and the second s					

Question No.	Que	stic	ońs
. 1.	Secondary data means:		
	(1) Data collected first-hand	(2)	Data collected by others
, a 156	(3) Data not yet used	(4)	·_
2.	Questionnaire is used for:	7.	
	(1) Collecting numerical data		
	(2) Collecting opinions or resp	ons	es
	(3) Writing bibliography		
	(4) Data coding		
3.	A well-designed questionnaire	shou	ıld be:
27 19	(1) Long and confusing	(2)	Short and clear
a	(3) Without order	(4)	Irrelevant
4.	Interview method helps in:		
	(1) Direct communication	(2)	Indirect guessing
A. 12	(3) Random testing	(4)	Online analysis
5.	Observation method means:		
*	(1) Watching carefully	(2)	Reading books
	(3) Ignoring data	(4)	Talking to experts
6.	Which of the following is a seco	nda	ry source of data?
	(1) Census report	(2)	Survey by researcher
	(3) Interview	(4)	Questionnaire

SEI-Y Code-D

Question No.	Questions	The state of
7.	Pre-writing stage includes: (1) Planning and organizing ideas (2) Printing the report (3) Submitting the thesis (4) Binding the report	
8.	Thesis writing requires: (1) Clear objectives and structure (2) Random thoughts (3) Copy-paste work (4) None	
9.	Report writing should be: (1) Systematic and concise (2) Without references (3) Incomplete (4) Confusing	
10.	Bibliography includes: (1) List of references used (2) Data tables (3) Abstract (4) Questionnaire	
	A simply supported beam carrying a uniform load will have moment diagram that is: (1) Parabolic (2) Linear (3) Constant (4) Cubic	
12.	Maximum shear stress theory is applicable to: (1) Ductile materials (2) Brittle materials (3) Concrete (4) Wood	

PHD-EE-November,	2025	UIET(Civil	Engineering)	Code-D
		(0)	The state of the s	

Question No.	Ques	itions
13.	The best shape of a water tank	for minimum surface area is:
	(1) D	(2) Cylindrical
	(0) 0	(4) Circular
14.	In open channel flow, the Frank	The state of the s
	In open channel flow, the Froud (1) Ratio of inertia to gravity for	e number represents:
	(2) Ratio of viscous to inertial	
	(3) Ratio of gravity to inertia	orces
	(4) None	
15.	A manometer is used to measure	
10.	(1) Velocity (2)	
	(0)	Pressure None
16.	HE ROLL TO	Managara Accele (1)
10.		spansion joints in structures is to:
	M. M. Tanana and San	MOTOR COLUMN SERVICE SERVICE PROPERTY OF THE SERVICE S
A PER	(a) Reduce load (4) Strengthen joints
17.	The unit weight of water is appro-	ximately:
	(1) 9.81 kN/m³ (2) 10 kN/m³
	(3) 1000 kN/m³ (4) 1 N/m ³
18.	The shape factor for a rectangula	r goation in
	(1) 1.5 (2	
	(3) 2.0 (4)	
	(1)	
19.	A cantilever beam has maximum	deflection at:
	(1) Fixed end (2)	Free and
THE RESERVE TO SERVE THE PARTY NAMED IN	(3) Mid span (4)	Quarter span

PHD-EE-November, 2025 UIET(Civil Engineering) Code-D
(3)

ion	Questions	Question		Code-D
	The instrument used to measure horizontal and vertical angles is: (1) Compass (2) Theodolite (3) Level (4) Plane table	No. 27.	Questions Chain surveying is suitable for: (1) Large areas (2) Undulating areas (3) Small level areas (4) None	.oll .
-	Camber on roads is provided to: (1) Drain off rainwater (2) Reduce wear (3) Prevent glare (4) None	28.	Compaction of soil increases: (1) Permeability (2) Strength (3) Compressibility (4) Void ratio	
4	The ruling gradient for highways is: (1) Minimum gradient (2) Maximum gradient (3) Safe gradient (4) Average gradient	29.	The liquid limit of soil is determined by: (1) Casagrande apparatus (2) Permeameter (3) Proctor test (4) Shear box	(2)
	The stopping sight distance depends on: (1) Speed (2) Reaction time (3) Friction (4) All of these		The critical hydraulic gradient is the condition of: (1) Quick sand (2) Seepage (3) Flow net (4) None	(D) (D)
1	The function of ballast in railway track is to: (1) Distribute load (2) Hold sleepers in position (3) Provide drainage (4) All of these		Stress is defined as: (1) Force × Area (3) Area / Force (4) None of these	63
0	Surveying deals with: (1) Measurement of distance, angles, and elevations (2) Soil testing (3) Concrete mixing		The unit of strain is: (1) N/m² (2) No unit (3) mm (4) Joule	(5) (9) 19(5) (8)
7	(4) Foundation design The line joining points of equal elevation is known as: (1) Contour line (2) Ridge line (3) Valley line (4) Level line	, (The point of contraflexure in a beam is the point where: (1) Shear force is zero (2) Bending moment is zero (3) Bending moment changes sign (4) None	(8)
EE	E-November, 2025 UIET(Civil Engineering) Code-D	PHD-EE	-November, 2025 UIET(Civil Engineering) Code-	Delin

PHD-EE-November, 2025 UIET(Civil Engineering) Code-D

Question No.

20.

21.

PHD-EE-November,

Question No.	Questions
34.	Poisson's ratio is the ratio of:
-	(1) Lateral strain to longitudinal strain
	(2) Stress to strain
	(3) Longitudinal strain to lateral strain
	(4) None
35.	In a simply supported beam, maximum bending moment occurs at:
	(1) Supports (2) Mid-span
	(3) Quarter span (4) None
36.	Cement is mainly composed of:
	(1) Lime, silica, alumina, iron oxide
	(2) Lime and sand
-	(3) Silica and clay
	(4) Gypsum only
37.	The most common type of cement used in civil engineering is:
	(1) Quick setting
	(2) Portland pozzolana
	(3) Ordinary Portland Cement (OPC)
	(4) Sulphate resisting
38.	The main purpose of curing concrete is to:
	(1) Increase strength (2) Prevent shrinkage
	(3) Reduce permeability (4) All of these

Question No.	Questions	nostan No.		
39.	The safe bearing capacity of soil depends on:			
	(1) Type of soil (2) Moisture content	D [
	(3) Depth of foundation (4) All of these same (5)	(2)		
40.	A flow in which the velocity at a point does not change with tin	7.1		
	(1) Steady flow (2) Unsteady flow	-		
	(3) Uniform flow (4) Laminar flow at size diagram	et. B		
41.	Data coding means:	(2)		
	(1) Converting data into numerical form			
	(2) Destroying data			
	(3) Copying data			
	(4) Deleting data subulan blunds froque for season	7		
42.	Quantitative research involves:			
-	(1) Numerical data (0) Ct.	(3)		
	(3) Emotions only (4) None of these are yellow			
43.	Qualitative research deals with:	dT .@A		
	(1) Descriptive data (2) Numbers			
	(3) Binary codes (4) Faunting	(2)		
44.	Reliability of research means:	(57)		
	(1) Consistency of results (2) Random errors	0)		
	(3) Changing answers (4) Guesswork	AT .Gä		
45.	Validity means:	(1)		
- 1	(1) Accuracy of results (2) Random sampling	(2)		
	(3) Guessing results (4) Data entry			
	(3) Guessing results (4) Data entry			

PHD-EE-November, 2025 UIET(Civil Engineering) Code-D

Question No.	Questions
46.	Sampling means:
	(1) Selecting a portion from population
•	(2) Measuring whole population
	(3) Ignoring data
	(4) Data entry
47.	Hypothesis is:
1	(1) A tentative assumption
	(2) A final proof
	(3) A theory
	(4) A data table
48.	Research report should include:
9	(1) Title, objectives, methods, results, conclusion
	(2) Only title
	(3) Only data
8	(4) Only graphs
49.	The abstract of a research paper give:
- 1	(1) Summary of the whole study
1	(2) Detailed explanation
	(3) References
	(4) Only data
50.	The term "population" in research means:
	(1) Entire group under study
	(2) Only one person
22	(3) Sample only
	(4) None
HD-E	(2) Only one person (3) Sample only

			3	Code-D
Question No.	Que	stic	ons	200
51.	Footnotes are given:			1
	(1) At the bottom of the page	(2)	At the top of the page	
	(3) In the middle of report	27	Not needed	
52.	Citation is used to:		¥I	
-	(1) Acknowledge sources	(2)	Hide sources	
	(3) Copy content	(4)	Avoid originality	
53.	Which of the following is a mea	sur	e of central tendency?	5 78
	(1) Mean	(2)	Correlation	
54	(3) Regression	(4)	Deviation	
54.	Median represents:			
	(1) The middle value			
	(2) The smallest value			
	(3) The largest value	6		
	(4) The average of all			
55.	Mode is:			
	(1) Most frequent value	(2)	Middle value	
8	(3) Highest value	(4)	Random number	
56.	Data analysis means:	7		
	(1) Interpreting collected data	a		<i>B</i>
*	(2) Ignoring data			100 100 100 100
	(3) Only collecting data			11
7	(4) Printing reports			.4

PHD-EE-November, 2025 UIET(Civil Engineering) Code-D
(9)

Question No.	Questions	
57.	Computers are used in research for:	Spaining to the St. 1
	(1) Data analysis and storage	
2	(2) Playing games	
	(3) Wasting time	
	(4) Avoiding work	of something
58.	Binary system uses:	
	(1) Two digits (0 and 1) (2) Eigh	nt digits
	(3) Ten digits (4) Sixt	een digits
59.	Octal system is based on:	entro III II
	(1) 8 digits (2) 10 d	igits
	(3) 2 digits (4) 16 d	igits
60.	Hexadecimal system uses:	datas mass m
	(1) Digits 0-9 and letters A-F (2) Only	y numbers
	(3) Binary codes only (4) No l	etters
61.	The "scope" of research explains:	
	(1) Limits and boundaries of study	e nedvi an incel Him
	(2) Definition of variables	1 14 20 19 19
	(3) List of references	
	(4) None	ા શાક્ષી 📗 😅
62.	Data can be classified as:	The salary the
		litative and Quantitative
	(3) Both (1) and (2) (4) Non	e

PHD-EE-November,	2025	UIET(Civil	Engineering)	Code-D
THE ELECTION		(10)		

Question No.	Questions	nk1
63.	In research, variables are:	with the thirt is a
	(1) Characteristics that change	
	(2) Fixed numbers	
	(3) Random errors	
	(4) None	
64.	Review of literature means:	ite gang ati
	(1) Studying earlier works (2) Ignoring previ	ous research
į.	(3) Copying data (4) Data collection	a Decognition
65.	Research design means:	, D = 1
	(1) Overall plan of research (2) Printing of rep	ort
	(3) Bibliography (4) Thesis binding	
66.	The objective of research is to:	9 -4 -4 - 1
	(1) Find answers to problems (2) Create confusi	on
	(3) Waste resources (4) None	1 2 × 1 × 1
67.	Data interpretation involves:	Vy = 4
	(1) Drawing conclusions from data	
	(2) Collecting raw data	
	(3) Guessing	
	(4) Ignoring results	
68.	An appendix in a report contains:	,
	(1) Supplementary material (2) Abstract	
	(3) Title page (4) References	

PHD-EE-November, 2025 UIET(Civil Engineering) Code-D
(11)

1	Que	stio	ons					
Whi	Which of the following is NOT a primary data collection method?							
(1)	Observation	Questionnaire						
(3)	Internet article	(4)	Interview					
The final stage of research process is:								
(1) Report writing and presentation								
(2)	Data collection							
(3)	Topic selection							
(4) Hypothesis formation								
Continuity equation in fluid mechanics is based on:								
(1)	Law of momentum	(2)	Law of energy					
(3)	Law of conservation of mass	(4)	None					
Bern	oulli's theorem deals with:		Fred A. in					
(1)	Flow of heat	(2)	Conservation of energy					
(3)	Conservation of momentum	(4)	None					
The r	nain purpose of a stilling b	asiı	n in a dam is to:					
(1)	Store water	(2)	Reduce energy of flow					
(3)	Prevent leakage	(4)	None					
Duty of water is:								
(1) Area irrigated per unit volume of water								
(2)	Volume of water per area		4.6					
` '								
Allow to the state of the state								
	Whice (1) (3) The (1) (2) (3) (4) Cont (1) (3) Bern (1) (3) The (1) (3) Duty (1) (2) (3)	Which of the following is NOT at (1) Observation (3) Internet article The final stage of research production (1) Report writing and present (2) Data collection (3) Topic selection (4) Hypothesis formation Continuity equation in fluid met (1) Law of momentum (3) Law of conservation of mass Bernoulli's theorem deals with: (1) Flow of heat (3) Conservation of momentum The main purpose of a stilling be (1) Store water (3) Prevent leakage Duty of water is: (1) Area irrigated per unit vol. (2) Volume of water per area (3) Flow per area	Which of the following is NOT a pr (1) Observation (2) (3) Internet article (4) The final stage of research process (1) Report writing and presentati (2) Data collection (3) Topic selection (4) Hypothesis formation Continuity equation in fluid mecha (1) Law of momentum (2) (3) Law of conservation of mass (4) Bernoulli's theorem deals with: (1) Flow of heat (2) (3) Conservation of momentum (4) The main purpose of a stilling basis (1) Store water (2) (3) Prevent leakage (4) Duty of water is: (1) Area irrigated per unit volume (2) Volume of water per area (3) Flow per area					

PHD-EE-November	, 2025	UIET(Civil	Engineering)	Code-D
1112 22 111	50	(12)		•

Question No.	Q	uesti	ons	0				
75.	Hydrology deals with:							
	(1) Rocks	(2)	Air					
	(3) Water	(4)	Soil					
76.	The BOD test is used to mea	sure:						
	(1) Organic matter in water	(2)	Suspended solids	× ×				
	(3) Hardness	(4)	Chlorides					
77.	pH value of pure water is:							
	(1) 0	(2)	7					
	(3) 14	(4)	1					
78.	The main objective of sedime	ntatio	on tank is to remove:					
1	(1) Suspended solids		Dissolved salts					
	(3) Microbes		Gases					
79.	The main source of air polluti	ion fro	om vehicles is:					
	(1) SO ₂		co					
32	(3) CO ₂	(4)	N_2	* 24				
80.	Municipal solid waste mainly	consi	ets of:					
	(1) Plastic, glass, metal, food	l wast	е .	12				
	(2) Only food waste							
	(3) Only plastic							
	(4) None							
81.	The main purpose of research							
	(1) Generate new knowledge	(2)	Waste time	•				
	(3) Copy existing work	(4)	Aviod experiments	T.				

PHD-EE-November, 2025 UIET(Civil Engineering) Code-D
(13)

Code-D

Question No.	Que	estio	ns			
82.	Research is a process of:					
	(1) Guessing	(2)	Systematic investigation			
	(3) Random selection	(4)	Imitation			
83.	The first step in research is:	4111	many = first or health for the			
	(1) Data collection	(2)	Selecting a topic			
	(3) Writing a report	(4)	Preparing bibliography			
84.	The meaning of research is:		Auto make being			
	(1) Repeating search	(2)	Random search			
	(3) Scientific investigation	(4)	Copying other's work			
85.	The scope of research depend	s on:	e all solly size a size			
	(1) Researcher's interest	(2)	Objectives of study			
	(3) Time and resources	(4)	All of the above			
86.	Scientific method of research	invol	ves:			
	(1) Observation, hypothesis,	expe	rimentation, conclusion			
	(2) Coying from books		and deed B			
	(3) Reading novels					
	(4) None of these	Dį	2 1 " 140.			
87.	A good research topic should l	oe:				
2	(1) Complex and confusing	(2)	Interesting and researchable			
	(3) Randomly chosen	(4)	Out of syllabus			

Question No.	Q	ons				
88.	Ethics in research means:	1.	r people stabilizati, a line co			
	(1) Following moral princip	les				
	(2) Copying data	÷				
	(3) Using false data					
	(4) Ignoring consent		Las esta nuita di pad			
89.	Plagiarism means:	J-, 4	Tan 1 2 8 1 3 7 7 7 7 1 2 1000			
	(1) Original writing	(2)	Using other's work without credit			
	(3) Statistical analysis	(4)	Data entry			
90.	The main method of primary	data	collection is:			
	(1) Questionnaire	(2)	Journals			
	(3) Internet	(4)	Library books			
91.	The modulus of elasticity for	steel :	is approximately:			
	(1) 200kN/mm^2	(2)	2×10 ⁵ N/mm ²			
	(3) 2×10 ⁸ kN/m ²	(4)	None			
92.	The slenderness ratio is used	in de	sign of:			
	(1) Beams	(2)	Columns			
	(3) Slabs	(4)	Footings			
93.	One Newton is equal to:		a and a second			
	(1) 1 kg m/s ²	(2)	1 kg/m^2			
	(3) 1 N.m	(4)	None			
94.	The centroid of a semicircular area lies at a distance of:					
	(1) $4r/3\pi$ from the base	(2)	r/2			
1	(3) 2r/π	(4)	None			

PHD-EE-November, 2025 UIET(Civil Engineering) Code-D
(14)

PHD-EE-November, 2025 UIET(Civil Engineering) Code-D
(15)

Code-D

Question No.			Questio	ons				
95.	The unit of moment of inertia is:							
	(1)	m ⁴	(2)	m ³				
	(3)	m²	(4)	N.m ·				
96.	Wo	rkability of concret	e can be imp	proved by:				
	(1)	Decreasing water	-cement rati	io				
	(2)	Increasing water-	cement ratio	0				
	(3)	Reducing aggrega	ites	an F				
	(4)	None		g garde * c. %				
97.	The	standard consiste	ncy of cemen	nt is:				
	(1)	30%	(2)	40%				
	(3)	25%	(4)	35%				
98.	The	minimum cover fo	r RCC beam	is:				
	(1)	15 mm	. (2)	25 mm				
	(3)	40 mm	(4)	50 mm				
99.	The	main reinforcemen	nt in a slab is	s provided along:				
	(1)	Shorter span	(2)	Longer span				
	(3)	Diagonal	(4)	None				
100.	The	permissible stress	in mild stee	el (Fe250) is approximately:				
-	(1)	150 N/mm ²	(2)	250 N/mm ²				
	(3)	140 N/mm ²	(4)	215 N/mm ²				
				and the training of the state of the				
				n"				

QNO	ER KEY FO			CTLUZJ
1	SET A	SET B	SET C	SET D
2	1	1	1	2
3	2	3	3	2
4	2	4	1	2
5	3	4	1	. 1
	4	1	1	1
6	1	1	1	. 1
7	2	3	1	1
8	1	2	1	1
9	2	1	3	1
10	1	1	1	1
11	2	2	1	• 1
12	2	2	1	1
13	2	3	1	4
14	1	1	1	1
15	1	2	1	2
16	1	1	1	1
17	1	3	1	1
18	1	4	1	1
19	1	4	1	2
20	1	1	1	2
21	1	1	1	1
22	1	1	2	3
23	1	1	2	4
24	1	1	3	4
25	1	1	4	1
26	1	1	1	1
27	1	1	2	3
28	1	1	1	2
29	1	1	2	1
30	1	1	1	1
31	1	2	1	2
32	1	2	1	2
33	1	2	4	3
34	1	1	1	. 1
35	1	1	2	2
36	1	1	1	- 1
37	1	1	1	3
38	1	1	1	4
39	1	. 1	2	4
40	1	1	2	1
41	1	1	3	1
42	3	1	2	1
43	1	4	2	1
44	1	1	1	1
45	1	2	3	1
46	1	1	1	1
47	1	1	2	1
48	1	1	1	1
19	3	2	2	1
50	1	2	1	1

Jul-28-3111/25

Shurt-10-11-25

2000									
200	51	2		7					
	52	2		2		1			1
	53	3	-	2		1			1
	54	1		1		1			1
	55	2		3		1			1
	56	1			_	1			1
	57	3		1		1			1
	58	4		2		1		1	
	59	4		1		1		1	
	60	1		2		1		1	
	61	3		2		1		1	
	62	2		2		1		1	
	63	2		1		3		3	
	64	1		1		4		. 1	
	65	3		1		4		. 1	
	66	1		2		1	-2.4	1	
	67	2		1		1	Limber	1	
	68	1		3		2		1	
	69	2		1		1	12.5	1	
	70	1		3		1	\dashv	3	
	71	1		1		2		3	
	72	3		3.		2	\dashv	2	
	73	4		1		1		2	1 100
	74	4		1		1		1	
	75	1		1		1		3	
	76	1		1		2		1	
	77	3		1		1		2	
	78	2		1		3		1	
	79	1		3		1	-4	2	
	80	1		1		3	W P	1	
	81	2		1		2		1 =	7
	82	2		1		2		2	Π
	83	1		1		2		2	T
-	84	1		1		1		3	
	85	1		1		1		4	
ŀ	86	2		1		1		1	
	87	1	-	1		1		2	
	88	3		1		1		1 1	
	89	1		1		1		2	Sharper Co.
	90	3		1		1		<u>اس</u> 1	4
	91	1	***	1		2		2 -	7
	92	1		2		2		2	Ц
	93	4	(Acres	2		3		1	Ц
	94	1		3		1		1	
	95	2		4		2		1	4
	96	1		1		1		2	┨ "
-	97	1		2		3		1	4
	98	1		1		4		3	4
	99	2		2	n . Ta	4		1	4
	100	2		1		1		3 ~	J

Jul 20/11/24

2. Kur.
10.11.25