

DEV BHOOMI GROUP OF INSTITUTIONS SAHARANPUR										
DEPARTMENT OF CIVIL ENGG										
S.N	SUBJECT	SUB. CODE	FACULTY NAME	COURSE	SEM	UNIT	DOA	DOS	QUESTION 1	QUESTION 2
1	ENGINEERING MECHANICS	BOE-031	SACHIN YADAV	B.TECH	3	5			Explain the D'Alembert's principle and its applications in plane motion and connected bodies.	Explain the Virtual Work and Energy Method- Virtual displacements.
2	SURVEYING-1	BCE306	AADESH MEHRA	B.TECH	3	5			Explain the Remote Sensing.	Explain the Applications of remote sensing to civil engineering.
3	HUMAN VALUE	BVE-301	SACHIN YADAV	B.TECH	3	5			GIVE A CRITICAL REVIEW OF THE CURRENT MANAGEMENT MODELS IN PROFESSION	EXPLAIN ANY FIVE VALUES WHICH ARE NECESSARY FOR ETHICAL HUMAN CONDUCT
4	COMPUTER SYSTEM SECURITY	BCC 301	VIPUL	B.TECH	3	5			WRITE SHORT NOTES ON INDIAN CYBER LOW.	DEFINE INTELLECTUAL PROPERTY ISSUES.
5	FLUID MECHANICS	BCE-303	RAHUL MITTAL	B.TECH	3	5			Explain the working of cetrifugul pump with diagram.	Difference between centrifugul pump and reciprocating pump.
6	ELCTRONICS ENGINEERING	BAS-034	JASBEER SINGH	B.TECH	3	5			Explain Digital Voltmeter with diagram	Explain CRT with suitable diagram.
7	QUANTITY ESTIMATION & CONSTRUCTION MANAGEMENT	KCE 503	AADESH MEHRA	B.TECH	5	5			WHAT IS DIFFERENCE BETWEEN DIRECT COST AND INDIRECT COST?	DIFFERENCE BETWEEN THE BREAKEVEN POINT AND MINIMUM CAST POINT.
8	STRUCTURAL ANALYSIS	KCE 502	AADESH MEHRA	B.TECH	5	5			Explain the Procedure of analyzing the structure by stiffness method.	Explain the methods that are used for plastic analysis of beams and frames.
9	HYDROLOGY ENGINEERING	KCE055	PARTAP SINGH	B.TECH	5	5			Explain the procedure of using a flood hydrograph occurred in a catchment to develop a unit hydrograph.	What are the different forms of subsurface water? Explain with the help of diagram
10	GEOTEECHNICAL ENGINEERING	KCE-501	TARUN KHATANA	B.TECH	5	5			Explain the stability of slope and its failure	Explain the Culmann's methods
11	CONCRETE TECNOLOGY	KCE 051	SACHIN YADAV	BTECH	5	5			What do you understand by serviceability limit states? Define cracking and vibrations in slab.	Design a reinforced concrete column which is 4.5 m long and fixed at both ends. It is carrying an axial load of 2000KN (service). Use M-25 concrete and Fe-415 steel.
12	Constitution of India	KNC-501	AMRISH TYAGI	BTECH	5	5			How are the Directive Principles of State Policy criticised?	Write a note on the emergency powers of Indian president?
13	RAILWAY ENGINEERING	RCE076	AADESH MEHRA	B.TECH	7	5			Write a short note on littoral transport with erosion and deposition of sediments.	What do you understand by the term airport capacity? What are the factors which affect the airport capacity?

14	IRRIGATION ENGG	KCE-078	PANKAJ KUMAR	B.TECH	7				Describe Confined and Unconfined aquifer with suitable diagram. Derive the expression for the discharge through confined aquifer.	Define following terms: i. Aquifer ii. Aquiclude iii. Aquitard
15	RENEWABLE ENERGY RESOURCES	KOE-074	SACHIN YADAV	B.TECH	7	5			Explain the solar energy and its advantage.	DEFINE BIOMASS RESOURCES.
16	HSMC-1	KHU701	PARVEEN	B.TECH	7			5	Define sustainable development?	Do you think various measures taken by the government to improve agricultural marketing are sufficient? Discuss.
17	HYDRAULICS ENGINEERING		PANKAJ KUMAR	POLYTECHNIC	3			5	DIFFERENTIATE BETWEEN IMPULSE AND REACTION TURBINE. आवेगी और रिफ्लेक्शन टर्बाइन के बीच अंतर करें।	EXPLAIN WORKING OF A RECIPROCATING PUMP WITH DIAGRAM. रिसेप्रोकेटिंग पंप की कार्यप्रणाली को आरेख सहित समझाइए।
18	ENVIRONMENT STUDIES		TARUN KHATANA	POLYTECHNIC	3			5	DESCRIBE THE AIR POLLUTION ACT 1986 वायु प्रदूषण अधिनियम 1986 का वर्णन करें	WRITE IN DETAIL MSME SCHEME एमएसएमई योजना विस्तार से लिखें
19	CONCRETE TECHNOLOGY		PARTAP SINGH	POLYTECHNIC	3			5	What are the three different ways to provide shear reinforcement ? अपरूपण सुदृढीकरण प्रदान करने के तीन अलग-अलग तरीके क्या हैं?	What do you understand by serviceability limit states? Define cracking and vibrations in slab. सेवाक्षमता सीमा स्थिति से आप क्या समझते हैं? क्रैकिंग और को परिभाषित करें स्लैब में कंपन.
20	BUILDING CONSTRUCTION		MOH.USMAN	POLYTECHNIC	3			5	WHAT IS BIFURCATED STAIR द्विभाजित सीढ़ी क्या है? उदाहरण सहित समझाइये।	EXPLAIN DIFFERENT TYPES OF BRICKS. ईंटों के विभिन्न प्रकार समझाइये।
21	STRUCTURAL MECHANICS		RAHUL MITTAL	POLYTECHNIC	2			5	COMPARE THE STRENGTH OF SOLID AND HOLLOW CIRCULAR SHAFT. ठोस और खोखले गोलाकार शाफ्ट की ताकत की तुलना करें	WRITE SHORT NOTE ON LONGITUDINAL AND HOOP STRESSES IN THIN CYLINDRES .पतले सिलिंडरों में अनुदैर्घ्य और घेरा तनाव पर संक्षिप्त टिप्पणी लिखें।
22	BUILDING DRAWING		AADESH MEHRA	POLYTECHNIC	2			5	Draw the staircase detail of given above ground floor plan (i) Plan (scale: L:25) (ii) section (scale 125)	Draw the detail plan section of a building as per standard specification. मानक विनिर्देश के अनुसार किसी भवन का विस्तृत योजना अनुभाग बनाएं।
23	EARTH QUAKE ENGINEERING		PANKAJ KUMAR	POLYTECHNIC	5			5	Discuss briefly retrofitting measures for retroactively built structures. समग्र रूप से रेट्रोफिटिंग उपायों पर संक्षेप में चर्चा करें।	What is the need for National Policy on Disaster management. आपदा प्रबंधन पर राष्ट्रीय नीति की क्या आवश्यकता है?

24	SURVEYING-II		AADESH MEHRA	POLYTEC HNIC	5			Explain the procedure for measurement of area with single station setup using total station. "एकल स्टेशन से क्षेत्रफल मापने की प्रक्रिया समझाइये कुल स्टेशन का उपयोग करके सेटअप"	Explain the procedure for setting simple circular curve by method of offsets from long chord with a neat sketch."सरल वृत्ताकार वक्र स्थापित करने की प्रक्रिया समझाइए एक साफ स्केच के साथ लंबी कॉर्ड से ऑफसेट की विधि।
25	RAILWAY BRIDGES & TUNNELS		TARUN KHATANA	POLYTEC HNIC	5	5	5	Explain the factors influencing the railway Route.रेल मार्ग को प्रभावित करने वाले कारकों	What is permanent way? Describe with its components.स्थायी रास्ता क्या है? इसके घटकों सहित
26	SOIL MECHANICS AND FOUNDATION ENGINEERING		PARTAP SINGH	POLYTEC HNIC	5	5	5	write briefly wash borin and trial pit.वॉश बोरिन और ट्रायल पिट को संक्षेप में लिखें।	Write a short note on plate load test .प्लेट लोड परीक्षण पर एक संक्षिप्त टिप्पणी लिखें।
27	WATER &WASTE WATER ENGINEERING		PARTAP SINGH	POLYTEC HNIC	5		5	Explain sewerage systems, showing importance of Manbole, inverted Syphon and traps. मैनबोले, उल्टे साइफन और जाल के महत्व को दर्शाते हुए सीवरज प्रणालियों की व्याख्या करें।	What is Role of gradient while laying the sewer line. सीवर लाइन बिछाने में ग्रेडिएंट वाइल की भूमिका क्या है?