

DEV BHOOMI GROUP OF INSTITUTIONS SAHARANPUR										
DEPARTMENT OF MECHANICAL ENGG										
S.No.	SUBJECT	SUB. CODE	FACULTY NAME	COURSE	SEM	UNIT	DOA	DOS	QUESTION 1	QUESTION 2
1	WER PLA	KME076	TARUN KHATANA	B.TECH	7	4			EXPLAIN THE WORKING OF WIND POWER PLANT WITH NEAT SKETCH ALONG WITH ITS LIMITATIONS.	FINE THE WORKING PRINCIPAL OF GEOTHERMAL POWER PLANT. EXPLAIN IT WITH THE HELP SUITABLE DIAGR
2	MANUFA	KME071	MOH.USMAN	B.TECH	7	4			Define and explain Direct Energy Deposition (DED).	Explain with diagram Laser Beam Melting (LBM) and SLM.
3	ENERGY	KOE074	SACHIN YADAV	B.TECH	7	4			EXPLAIN THE WORKIND PRINCIPLE OF FULE CELLS	WHAT IS THERMO ELECTRICAL AND THERMO IONIC CONVERSIONS.
4	HSMC-1	KHU-701	PARVEEN	BTECH	7	4			Define sustainable development?	Do you think various measures taken by the government to improve agriculturalmarketing are sufficient? Discuss.
5	MODYNA	BME301	PANKAJ KUMAR	B.TECH	3	4			Derive Maxwell's equations	A fluid having a temperature of 150°C and a specific volume of 0.96 m <sup>3</sup> /kg at its initial state expands at constant pressure, without friction, until the volume is 1.55 m <sup>3</sup> /kg. Find, for 1kg of fluid, the work, the heat transferred and the final temperature if (a) the fluid is air and (b) the fluid is steam.
6	D MECHA	BME302	RAHUL MITTAL	B.TECH	3	4			Explain the equation of motion laminar flow through pipes	Explain the Momentum and energy thickness and its application of Momentum
7	ER SECU	BCC301	VIPUL MALVA	B.TECH	3	4			DESCRIBE THE FORENSIC AURLYSIS OF E-MAIL.	WHAT IS SECURITY /PRIVACY THREATS.
8	UE AND F	BVE301	SACHIN YADAV	BTECH	3	4			EXPLAIN THE RECYCLABILITY AND SELF REGULATION IN NATURE	ANALYZE THE IMPORTANCE OF HOLISTIC TECHNOLOGY IN CURRENT SCENARIO WITH DIFFERENT EXAMPLE.
9	ELECTR ONICS ENGINE ERING	BAS303	JASBEER SINGH	B.TECH	3	4			.Explain Ideal Op-amp properties	Explain Summer and Integrator Op-amp circuit.
10	LS ENGI	BME303	MOH.USMAN	B.TECH	3	4			Explain why tempering is required after hardening	Explain the heat treatment and its objective. Also discuss the full annealing, normalizing and hardening process with help of Fe-C diagram.
11	ION MANAGEMENT	SACHIN YADAV	POLYTECHNIC	5	4			DEFINE THE IMPORTANCE OF REPAIR AND MAINTENANCE	EXPLAIN OPPORTUNISTIC MAINTENANCE AND ACCIDENT MAINTENANCE	
12	ION MANAGEMENT	SACHIN YADAV	POLYTECHNIC	5	4			मरम्मत और अनुरक्षण के महत्व को समझाइए	अवसरवादी अनुरक्षण और दुर्घटना जनित अनुरक्षण को समझाइए	
13	HINE DESIGN	MOH.USMAN	POLYTECHNIC	5	4			Explain different types of keys with diagram.	Give the design procedure of any one of key.	
14	MOBILE ENGG	PANKAJ KUMAR	POLYTECHNIC	5	4			RELATIVE MERITES AND DEMERITES BETWEEN AIR AND VACUUM BRAKE.	DEFINE THE SUSPENSION SYSTEM. TYPES OF SUSPENSTION SPRING.	
15	MOBILE ENGG	PANKAJ KUMAR	POLYTECHNIC	5	4			वायु तथा निर्वात ब्रेक के गुण वह अवगुण की तुलना करें	सस्पेंशन प्रणाली किसे कहते हैं. स्प्रिंग के प्रकार बताइए	
16	IMED	TARUN KHATANA	POLYTECHNIC	5	4			explain functions of Management	define line Organisation and function organisation	
17	IMED	TARUN KHATANA	POLYTECHNIC	5	4			प्रबंधन के कार्यों की व्याख्या करें	लाइन संगठन और कार्य संगठन को परिभाषित करें	
18	ION TECHNOLOGY	TARUN KHATANA	POLYTECHNIC	5	4			बोरिंग हेड कितने प्रकार के होते हैं? किसी का एक सचित्र वर्णन कीजिए।	शेपर तथा प्लेनर में अंतर स्पष्ट कीजिए	
19	ION TECHNOLOGY	TARUN KHATANA	POLYTECHNIC	5	4			HOW MANY TYPES OF BORING HEAD? DESCRIBE WITH THE HELP OF DIAGR	DESCRIBE THE DIFFERENCE BETWEEN SHAPER AND PLANER.	
20	Y OF MACHINES	RAHUL MITTAL	POLYTECHNIC	5	4			Explain displacement diagram of simple harmonic motion.	Explain all types of belt drives.	
21	Y OF MACHINES	RAHUL MITTAL	POLYTECHNIC	5	4			सरल आवर्त गति के विस्थापन आरेख की व्याख्या करें	सभी प्रकार के बेल्ट ड्राइव की व्याख्या करें	
22	MECHA NICS OF SOLID	RAHUL MITTAL	POLYTECHNIC	3	4			DEFINE THE FOLLOWING TERMS.1.SLOP &DEFLECTION 2. COLUMN & STRUT.	WHAT IS RELESTION TO TORQUE EQUATION.	
23	MECHA NICS OF SOLID	RAHUL MITTAL	POLYTECHNIC	3	4			निम्न को परिभाषित कीजिए।1.दलान तथा विकेप2.कोल्लम तथा स्टे	मरोड़ समीकरण का संबंध क्या है	
24	IOPTTECHNOLOGY	SACHIN YADAV	POLYTECHNIC	3	4			DEFINE THE CUPOLA FURNANCE	GIVE THE TYPES OF PATTERN	
25	IOPTTECHNOLOGY	SACHIN YADAV	POLYTECHNIC	3	4			कपोला भट्टी को समझाइए	प्रतिरूप के प्रकार समझाइए	
26	IRMAL ENGG	PANKAJ KUMAR	POLYTECHNIC	3	4			PROOF THE DRIVE THE P-V AND T-S CARNOT CYCLE.	DIFFERENT BETWEEN TWO STROKE AND FOUR STROKE ENGINE.	
27	IRMAL ENGG	PANKAJ KUMAR	POLYTECHNIC	3	4			कानॉट चक्र को P-V तथा T-S पर कीजिए संक्षिप्त वर्णन कीजिए	2 स्ट्रोक तथा 4 स्ट्रोक इंजन की तुलना कीजिए	
28	IRIAL SCIENCE	TARUN KHATANA	POLYTECHNIC	3	4			एनीलिंग और निर्मली करण में अंतर स्पष्ट कीजिए	T-T-T चित्र को समझाइए अब इसके महत्व बताइए	
29	IRIAL SCIENCE	TARUN KHATANA	POLYTECHNIC	3	4			DESRIBE THE DIFFERENCE BETWEEN ANNEALING AND NORMALISING.	DESCRIBE T-T-T DIAGRAM AND WRITE ITS IMPORTANCE	
30	THEMATICS	ANSHUL PUNDIR	POLYTECHNIC	3	1			Find the Rank of the matrix [1 2 3 1 4 2 2 6 5 ]	Prove that vectors X1=(1,2,4) and X2= (3,6,12) are linearly dependent .	



