

Dev Bhoomi Group of Institutions, Saharanpur- ODD SEM

Department of ELECTRICAL AND ELECTRONICS Engineering

Sr. No	Subject	Subject Code	FACULTY NAME	Course	Semester	Question1	Question2
1	Integrated Circuits	KEC-501	DUSYANT KUMAR	B.TECH-EC	5th	what is operational amplifier. Give the Ideal Characteristics of operational amplifier?	Explain Integreater using operation and amplifier.
2	Microprocessor & Microcontroller	KEC-502	DUSYANT KUMAR	B.TECH-EC	5th	What are the Difference Between Microprocessor and Microcontroller.	Explain the Architecture of 8085..
3	Digital Signal Processing	KEC-503	SACHIN	B.TECH-EC	5th	Explain Block Diagram of DSP?	Define canonic and non-canonic structure ?
4	VLSI Technology	KEC-053	SACHIN	B.TECH-EC	5th	What do you mean by Crystal Growth?	write a note on dry cleaning method ?
5	OPTICAL COMMUNICATION	KEC-058	JASBIR SINGH	B.TECH-EC	5th	Explain TIR with help of Snell's Law in optical fiber.	Explain the Modes in a Planar Guide?
6	CONSTITUTION OF INDIA	KNC501	AMRISH TYAGI	B.TECH-EC	5th	Explain Government of india Act of 1935 and Indian Independence Act of 1947.	Explain the Fundamental Rights.
7	HSMC -1	KHU701	VIPIN	B.TECH-EC	7th	Why rural development is important for india ?	Write in detail any two initiatives of government for rural development.
8	MICROWAVE AND RADAR ENGG.	KEC-074	DUSYANT KUMAR	B.TECH-EC	7th	What is Microwave devices.	What is klystron amplifier. Explain the reflex klystron amplifier.
9	WIRELESS AND MOBILE COMMUNICATION	KEC-076	SACHIN	B.TECH-EC	7th	Explain the AWGN Channel and Rayleigh Channel?	Evolution of mobile radio communication fundamentals ?
10	RENEWABLE ENERGY RESOURCES	KOE074	SANJAY	B.TECH-EC	7th	Define the different resources of Non Conventional Energy resources.	Explain the working Principle of Tidal Power Plant
11	ELECTRONICS ENGINEERING	KOE034	JASBIR SINGH	B.TECH-EE	3rd	Explain Insulators, Conductors and Semi-Conductors by the bases of Energy-Band.	Explain Intrinsic and Extrinsic Semiconductor materials.
12	UNIVERSAL HUMAN VALUES & PE	KVE301	SACHIN YADAV	B.TECH-EE	3rd	Define the value education and its importance in present scenario.	Explain the process of self exploration.
13	ELECTROMAGNETIC FIELD THEORY	KEE301	PARVEEN	B.TECH-EE	3rd	Discuss the electric field intensity –Fields due to line and surface Charge Distributions?	Find the torque on an electric dipole in an electric field?
14	ELECTRICAL MEASUREMENTS & INSTRUMENTATION	KEE302	SATISH KUMAR	B.TECH-EE	3rd	Define the Sensitivity, Accuracy, Resolution, Stability and Precision.	Difference between Null type and Deflection type of Instruments?
15	BASIC SIGNALS & SYSTEMS	KEE303	JASBIR SINGH	B.TECH-EE	3rd	Define continuous and discrete signal.	Define Ramp signals and impulse signals.
16	CYBER SECURITY	KNC301	VIPUL MALWA	B.TECH-EE	3rd	Explain the classification of cyber crime	Explain the Botnets. The fuel of cyber crime.
17	POWER SYSTEM-I	KEE501	SATISH KUMAR	B.TECH-EE	5th	Explain the Transmission Line Parameters.	Explain the working of thermal power plant with diagram
18	CONTROL SYSTEM	KEE502	SATISH KUMAR	B.TECH-EE	5th	Explain the Constructional and working of AC & DC servomotor ?	Explain the Open Loop and Closed Loop Control System.
19	ELECTRICAL M/C-II	KEE503	PRAVEEN KUMAR	B.TECH-EE	5th	Drive the Armature winding emf equation.	Discuss the construction of Alternator?
20	SENSORS & TRANSDUCERS	KEE052	PRAVEEN KUMAR	B.TECH-EE	5th	What do you mean by Transducer and classification of Transducer?	Explain the Advantages and Disadvantages of Transducers?
21	ANALOG & DIGITAL COMMUNICATION	KEE058	SACHIN	B.TECH-EE	5th	what is electronic communication system. Explain with the help of diagram?	explain the term modulation and demodulation ?
22	CONSTITUTION OF INDIA	KNC501	AMRISH TYAGI	B.TECH-EE	5th	Explain Government of india Act of 1935 and Indian Independence Act of 1947.	Explain the Fundamental Rights.

23	HSMC -1	KHU701	VIPIN	B.TECH-EE	7th	Why rural development is important for india ?	Write in detail any two initiatives of government for rural development.
24	HVDC & AC Transmission	KEE072	SATISH KUMAR	B.TECH-EE	7th	What is the Significant of HVDC transmission?	Compare the HVDC & AC transmission.
25	Utilization of Electrical Energy & Electric Traction	KEE079	PARVEEN	B.TECH-EE	7th	Explain the type of electric drives	What are the advantage and disadvantage of electric drive over other drives
26	RENEWABLE ENERGY RESOURCES	KOE074	SANJAY	B.TECH-EE	7th	Define the different resources of Non Conventional Energy resources.	Explain the working Principle of Tidal Power Plant
27	Applied Mathematics-III	NA	ANSHUL	POLYTECHNIC	3rd	Proof that matrix is unitary	Find A AND I MATRIX are =
28	Electrical Instrumentation and Measurement	NA	SATISH KUMAR	POLYTECHNIC	3rd	सटीकता और परिशुद्धता के बीच अंतर क्या है? What is the difference Between Accuracy and Precision?	डंपिंग कंट्रोलिंग टॉर्क को समझाइए। Explain the Damping Controlling Torque.
29	Electrical and Electronics Engineering Materials	NA	DUSYANT KUMAR	POLYTECHNIC	3rd	परमाणु संरचना के अनुसार पदार्थों के वर्गीकरण का वर्णन कीजिए ? Describe the classification at materials based on atomic structure.	ऊर्जा बैंड आरेख की सहायता से कंडक्टर, अर्धचालक और इन्सुलेटर शब्द की व्याख्या करें। Explain the terms conductor, semiconductor and insulator with the help of energy band diagram.
30	Digital Electronics	NA	JASBIR SINGH	POLYTECHNIC	3rd	224.54 दशमलव संख्या को बाइनरी, ऑक्टल और हेक्साडेसिमल रूप में बदलें। Convert 224.54 decimal number into Binary, Octal and Hexadecimal form.	सत्य तालिका के साथ AND, OR, NOT और EXOR गेट्स की व्याख्या करें। Explain AND, OR, NOT and EXOR Gates with its truth table.
31	Electrical M/c-I	NA	PRAVEEN KUMAR	POLYTECHNIC	3rd	डीसी मोटर का सिद्धांत एवं संचालन बताइये। State the principle and operation of DC Motor.	डीसी जनरेटर के लिए शक्ति समीकरण दें. Give power equations for dc generator
32	Environmental Studies	NA	TARUN KHATANA	POLYTECHNIC	3rd	जैव घटक और अजैव घटक में अंतर स्पष्ट कीजिए। WHAT IS THE DIFFERENCE BETWEEN BIOTIC AND ABIOTIC COMPONENTS OF ECO SYSTEM.	भूमंडलीय तापन क्या है? भूमंडलीय तापन के प्रभाव का वर्णन कीजिए. WHAT IS GLOBAL WARMING? WHAT ARE THE EFFECTS OF GLOBAL WARMING.
33	Industrial Management and Entrepreneurship Development	NA	TARUN KHATANA	POLYTECHNIC	5th	उद्यमियता को परिभाषित कीजिए। एक उद्यमी के गुणों का वर्णन कीजिए। DEFINE ENTREPRENEURSHIP. ALSO WRITE THE QUALITIES OF AN ENTREPRENEUR.	ग्रामीण क्षेत्र के विकास में उद्यमियता की भूमिका की विवेचना कीजिए। EXPLAIN THE IMPORTANCE OF ENTREPRENEURSHIP IN THE DEVELOPMENT OF RURAL AREAS.
34	Switch Gear & Protection	NA	PRAVEEN KUMAR	POLYTECHNIC	5th	विद्युत प्रणाली में विद्युत दोष का कारण स्पष्ट करें। Explain the cause of Electric Fault in Power system.	सुरक्षा प्रणाली में आमतौर पर उपयोग की जाने वाली कुछ बुनियादी शब्दावली की व्याख्या करें। Explain Some basic terminologies commonly used in the protection system.
35	PLC, MICROCONTROLLER AND SCADA (T+P)	NA	SACHIN	POLYTECHNIC	5th	पीएलसी के ब्लॉक आरेख की व्याख्या करें? Explain Block diagram of PLC?	पीएलसी के फायदे और नुकसान बताएं? Explain Advantages and disadvantages of PLC.
36	Electrical Machine II	NA	SATISH KUMAR	POLYTECHNIC	5th	डबल स्कॉयरल केज प्रकार की इंडक्शन मोटर का वर्णन करें। Describe the Double Squirrel cage type Induction Motor.	श्री फेज इंडक्शन मोटर में स्लिप और स्लिप स्पीड क्या होती है? What is slip and slip speed?
37	Renewable Sources of Energy	NA	DUSYANT KUMAR	POLYTECHNIC	5th	ऊर्जा के गैर नवीकरणीय और नवीकरणीय स्रोत की व्याख्या करें Explain non renewable and renewable sources of energy	ऊर्जा स्रोत का वर्गीकरण क्या है? What are the classification of Energy Source

