# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
## KUKATPALLY - HYDERABAD – 500 085
### EXAMINATION BRANCH
### IV YEAR B.TECH - I SEMESTER– R05 REGULATION (R05) – SUPPLEMENTARY EXAMINATIONS, NOVEMBER/DECEMBER,2012
### TIME TABLE

**TIME - 02-00 PM TO 05.00 PM**

| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| CIVIL ENGINEERING (01-C E) | FOUNDATION ENGINEERING | FINITE ELEMENT METHODS IN CIVIL ENGINEERING | REMOTE SENSING AND GIS APPLICATIONS | ANALYSIS AND DESIGN OF STRUCTURES FOR WIND AND EARTHQUAKE EFFECTS / INDUSTRIAL WASTE AND WASTE WATER MANAGEMENT / ADVANCED FOUNDATION ENGINEERING | WATER RESOURCES SYSTEM ANALYSIS / AIR POLLUTION AND CONTROL / GROUND IMPROVEMENT TECHNIQUES | -- | ENVIRONMENTAL ENGINEERING-II | --- |
| ELECTRICAL AND ELECTRONICS ENGINEERING (02-E E E) | POWER SEMICONDUCTOR DRIVES (R05410202) | NON CONVENTIONAL SOURCES OF ENERGY COM. TO EEE, ME, E.CON.E, MCT, MMT, MEP | POWER SYSTEM ANALYSIS | ADVANCED CONTROL SYSTEMS / VLSI DESIGN COM. TO EEE, EIE, E.CON.E, ECC | RELIABILITY ENGINEERING AND APPLICATION TO POWER SYSTEMS / OPTIMIZATION TECHNIQUES / ELECTRICAL DISTRIBUTION SYSTEMS | NEURAL NETWORKS AND FUZZY LOGIC COM. TO EEE, E.CON.E, MEP, AE, ICE, AME | POWER SYSTEM OPERATION AND CONTROL | --- |

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| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| MECHANICAL ENGINEERING (03-M E) | OPERATIONS RESEARCH COM. TO ME, MCT, ETM, MEP, AME | NON CONVENTIONAL SOURCES OF ENERGY COM. TO EEE, ME, E.CON.E, MCT, MMT, MEP | CAD/CAM COM. TO ME, MMT, MEP, AE | REFRIGERATION & AIR CONDITIONING / COMPUTATIONAL FLUID DYNAMICS | INSTRUMENTATION AND CONTROL SYSTEMS COM. TO ME, AME | SELECTED TOPICS IN COMPUTER SCIENCE / FINITE ELEMENT METHODS COM. TO ME, MEP, AME / POWER PLANT ENGINEERING COM. TO ME, MCT | MECHATRONICS COM. TO ME, MEP | --- |
| ELECTRONICS AND COMMUNICATIONS ENGINEERING (04-E C E) | OPERATING SYSTEMS COM. TO ECE, BME, ETM / MICRO CONTROLLERS AND APPLICATIONS COM. TO ECE, BME, ETM / TELEVISION ENGINEERING | COMPUTER NETWORKS COM. TO ECE, EIE, BME, MCT, ETM | OPTICAL COMMUNICATIONS COM. TO ECE, ETM | SATELLITE COMMUNICATIONS COM. TO ECE, ETM | DIGITAL IMAGE PROCESSING / DATA BASE MANAGEMENT SYSTEMS COM. TO ECE, EIE, E.CON.E, ETM, ECC | ELECTRONIC MEASUREMENTS AND INSTRU MENTATION | RADAR SYSTEMS COM. TO ECE, ETM | --- |

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| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| COMPUTER SCIENCE AND ENGINEERING (05-C S E) | WEB TECHNOLOGIES | EMBEDDED SYSTEMS COM. TO CSE, IT, E.CON.E, CSS | MOBILE COMPUTING COM. TO CSE, IT, ECC | DATA WAREHOUSING AND DATA MINING | ADVANCED COMPUTER ARCHITECTURE / CLIENT SERVER COMPUTING / NETWORK MANAGEMENT SYSTEMS COM. TO. CSE, CSS | MULTIMEDIA AND APPLICATION DEVELOPMENT (R05410507) COM. TO. CSE, IT, CSS / ARTIFICIAL INTELLIGENCE COM. TO CSE, ECC | SOFTWARE PROJECT MANAGEMENT COM. TO CSE, IT | --- |
| CHEMICAL ENGINEERING (08-C H E M) | OOPS THROUGH JAVA COM. TO CHEM, EIE, E.CON.E | MASS TRANSFER OPERATIONS-III | CHEMICAL ENGINEERING PLANT DESIGN AND ECONOMICS | PROCESS MODELING AND SIMULATION | CORROSION ENGINEERING / INDUSTRIAL BIOTECHNOLOGY / CHEMICAL ENGINEERING MATHEMATICS | TRANSPORT PHENOMENA | CHEMICAL PROCESS EQUIPMENT DESIGN | --- |
| ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-E I E) | OOPS THROUGH JAVA COM. TO CHEM, EIE, E.CON.E | COMPUTER NETWORKS COM. TO ECE, EIE, BME, MCT, ETM | PC BASED INSTRUMENTATION | VLSI DESIGN COM. TO EEE, EIE, E.CON.E, ECC | DATA BASE MANAGEMENT SYSTEMS COM. TO ECE, EIE, E.CON.E, ETM, ECC / POWER PLANT INSTRUMENTATION COM. TO EIE, ICE | ANALYTICAL INSTRUMENTATION | ARTIFICIAL NEURAL NETWORKS COM. TO EIE, BME, ETM / DIGITAL CONTROL SYSTEMS COM. TO EIE, E.CON.E | VIRTUAL INSTRUMENTATION COM. TO EIE, ICE |

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| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| BIO-MEDICAL ENGINEERING (11-B M E) | MICRO CONTROLLERS AND APPLICATIONS COM. TO ECE, BME, ETM / ELECTRO MAGNETIC INTERFERENCE AND COMPATIBILITY TECHNIQUES / OPERATING SYSTEMS COM. TO ECE, BME, ETM | COMPUTER NETWORKS COM. TO ECE, EIE, BME, MCT, ETM | REHABILITATION ENGINEERING | EMBEDDED AND REAL TIME SYSTEMS COM. TO BME, ICE | MEDICAL INFORMATICS / PHYSIOLOGICAL SYSTEMS MODELING | IMAGE PROCESSING AND PATTERN RECOGNITION | ARTIFICIAL NEURAL NETWORKS COM. TO EIE, BME, ETM | ---- |
| INFORMATION TECHNOLOGY (12- I T) | INFORMATION RETRIEVAL SYSTEMS / VIRTUAL REALITY | EMBEDDED SYSTEMS COM. TO CSE, IT, E.CON.E, CSS | MOBILE COMPUTING COM. TO CSE, IT, ECC | DISTRIBUTED DATABASES COM. TO IT, CSS / ADVANCED COMPUTING CONCEPTS COM. TO IT, CSS / IMAGE PROCESSING | INFORMATION SECURITY COM. TO IT, CSS | MULTIMEDIA AND APPLICATION DEVELOPMENT COM. TO. CSE, IT, CSS | SOFTWARE PROJECT MANAGEMENT COM. TO. CSE, IT | ---- |

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| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| ELECTRONICS & CONTROL ENGINEERING (13-E CON. E) | OOPS THROUGH JAVA COM. TO CHEM, EIE, E.CON.E | EMBEDDED SYSTEMS COM. TO CSE, IT, E.CON.E, CSS / NON CONVENTIONAL SOURCES OF ENERGY COM. TO EEE, ME, E.CON.E., MCT, MMT, MEP / DISTRIBUTED COMPUTER CONTROL SYSTEMS | ADAPTIVE CONTROL SYSTEMS COM. TO E.CON.E, ICE | VLSI DESIGN COM. TO EEE, EIE, E.CON.E, ECC | DATA BASE MANAGEMENT SYSTEMS COM. TO ECE, EIE, E.CON.E, ETM, ECC / RELIABILITY AND SAFETY ENGINEERING | NEURAL NETWORKS AND FUZZY LOGIC COM. TO EEE, E.CON.E, MEP, AE, ICE, AME | DIGITAL CONTROL SYSTEMS COM. TO EIE, E.CON.E | --- |
| MECHANICAL ENGINEERING (MECHATRONICS) (14-MCT) | OPERATIONS RESEARCH COM. TO ME, MCT, ETM, MEP, AME | PRODUCT DESIGN & ASSEMBLY AUTOMATION COM. TO MCT, AME / NON CONVENTIONAL SOURCES OF ENERGY COM. TO EEE, ME, E.CON.E., MCT, MMT, MEP / COMPUTER NETWORKS COM. TO ECE, EIE, BME, MCT, ETM | MICRO PROCESSORS & MICRO CONTROLLERS | -- | MOTION CONTROL DESIGN | POWER PLANT ENGINEERING COM. TO ME, MCT / CONCURRENT ENGINEERING COM. TO MCT, MEP / ADVANCED KINEMATICS & DYNAMICS OF MACHINERY | ROBOTICS | ---- |

| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| COMPUTER SCIENCE AND SYSTEMS ENGINEERING | COMPUTER SYSTEMS MAINTENANCE | EMBEDDED SYSTEMS COM. TO CSE, IT, E.CON.E, CSS | NEURAL NETWORKS COM. TO CSS, ECC | DISTRIBUTED DATABASES COM. TO IT, CSS / ADVANCED COMPUTING CONCEPTS COM. TO IT, CSS | NETWORK MANAGEMENT SYSTEMS COM. TO. CSE, CSS / INFORMATION SECURITY COM. TO IT, CSS / HUMAN COMPUTER INTERFACE | MULTIMEDIA AND APPLICATION DEVELOPMENT COM. TO. CSE, IT, CSS | PERFORMANCE EVALUATION OF COMPUTER SYSTEMS | --- |
| ELECTRONICS AND TELEMATICS ENGINEERING (17-E T M) | MICRO CONTROLLERS AND APPLICATIONS COM. TO ECE, BME, ETM / OPERATING SYSTEMS COM. TO ECE, BME, ETM / OPERATIONS RESEARCH COM. TO ME, MCT, ETM, MEP, AME | COMPUTER NETWORKS COM. TO ECE, EIE, BME, MCT, ETM | OPTICAL COMMUNICATIONS COM. TO ECE, ETM | SATELLITE COMMUNICATIONS COM. TO ECE, ETM | DATA BASE MANAGEMENT SYSTEMS COM. TO ECE, EIE, E.CON.E, ETM, ECC | ASYNCHRONOUS TRANSFER MODE | ARTIFICIAL NEURAL NETWORKS COM. TO EIE, BME, ETM / RADAR SYSTEMS COM. TO ECE, ETM | ---- |

| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| METALLURGY AND MATERIAL TECHNOLGY (18-MMT) | ELECTRO METALLURGY AND CORROSION | SEMI CONDUCTORS AND MAGNETIC MATERIALS / NON CONVENTIONAL SOURCES OF ENERGY COM. TO EEE, ME, E.CON.E., MCT, MMT, MEP / NON DESTRUCTIVE TESTING / COMPUTER GRAPHICS | CAD/CAM (R05410302) COM. TO ME, MMT, MEP, AE / LIGHT METALS AND ALLOYS / METALLURGICAL INSTRU MENTATION / TRANSPORT PHENOMENA IN METALLURGY | POWDER METALLURGY | X-RAY METALLOGRAPHY | -- | CERAMIC SCIENCE AND TECHNOLOGY | ---- |
| ELECTRONICS AND COMPUTER ENGINEERING (19-E C C) | UNIX PROGRAMMING | AUTOMATA AND COMPILER DESIGN | NEURAL NETWORKS COM. TO CSS, ECC / MOBILE COMPUTING COM. TO CSE, IT, ECC / DSP PROCESSORS AND ARCHITECTURES | VLSI DESIGN COM. TO EEE, EIE, E.CON.E, ECC | DATA BASE MANAGEMENT SYSTEMS COM. TO ECE, EIE, E.CON.E, ETM, ECC | ARTIFICIAL INTELLIGENCE COM. TO CSE, ECC / ELECTRO MAGNETIC WAVES AND TRANSMISSION LINES / CELLULAR AND MOBILE COMMUNI CATIONS | -- | -- |

| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| MECHANICAL ENGINEERING (PRODUCTION) (20-M E P) | OPERATIONS RESEARCH COM. TO ME, MCT, ETM, MEP, AME | MACHINE TOOL DESIGN / ADVANCED METAL CASTING / NON CONVENTIONAL SOURCES OF ENERGY COM. TO EEE, ME, E.CON.E., MCT, MMT, MEP | CAD/CAM COM. TO ME, MMT, MEP, AE | PRODUCTION PLANNING AND CONTROL | -- | FINITE ELEMENT METHODS COM. TO ME, MEP, AME / CONCURRENT ENGINEERING COM. TO MCT, MEP / NEURAL NETWORKS AND FUZZY LOGIC COM. TO EEE, E.CON.E, MEP, AE, ICE, AME | MECHATRONICS COM. TO ME, MEP / -- | ----- |
| AERONAUTICAL ENGINEERING (21-A E) | THEORY OF VIBRATIONS AND AEROELASTICITY | FLIGHT VEHICLE DESIGN | CAD/CAM COM. TO ME, MMT, MEP, AE / ADVANCED COMPUTATIONAL FLUID DYNAMICS / ROCKETS AND MISSILES / PROPELLANT TECHNOLOGY | AIRCRAFT MATERIALS AND COMPOSITES | EXPERIMENTAL STRESS ANALYSIS / AVIONICS / HELICOPTER ENGINEERING / ENGINEERING OPTIMIZATION / INDUSTRIAL AERODYNAMICS | NEURAL NETWORKS AND FUZZY LOGIC COM. TO EEE, E.CON.E, MEP, AE, ICE, AME | STRUCTURAL ANALYSIS AND DETAILED DESIGN | ---- |

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| BRANCHES | DATE & DAY | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20-11-12 TUESDAY | 22-11-12 THURSSDAY | 24-11-12 SATURDAY | 27-11-12 TUESDAY | 29-11-12 THURSDAY | 01-12-12 SATURDAY | 04-12-12 TUESDAY | 06-12-12 THURSSDAY |
| INSTRUMENTATION AND CONTROL ENGINEERING (22-I C E) | BIO-MEDICAL INSTRU MENTATION | COMPUTER AIDED DESIGN OF CONTROL SYSTEMS | ADAPTIVE CONTROL SYSTEMS COM. TO E.CON.E, ICE | EMBEDDED AND REAL TIME SYSTEMS COM. TO BME, ICE | POWER PLANT INSTRU MENTATION COM. TO EIE, ICE | NEURAL NETWORKS AND FUZZY LOGIC COM. TO EEE, E.CON.E, MEP, AE, ICE, AME | ---- | VIRTUAL INSTRU MENTATION COM. TO EIE, ICE |
| | | | TELEMETRY & TELE CONTROL | ROBOTICS AND AUTOMATION | | | | |
| | | | | MICRO ELECTRO MECHANICAL SYSTEMS | | | | |
| BIOTECHNOLOGY (23-B O T) | COMPUTATIONAL MOLECULAR BIOLOGY | BIO ETHICS, BIO SAFETY AND INTELLECTUAL PROPERTY RIGHTS | BIOSENSORS AND BIOELECTRONICS | BIOTECHNOLOGY FOR CROP IMPROVEMENT | CREATIVITY INNOVATION AND PRODUCT DEVELOPMENT | -- | DOWNSTREAM PROCESSING | |
| | | | | CANCER BIOLOGY | MOLECULAR PATHOGENESIS | | | |
| | | | | STRUCTURAL BIOLOGY | METABOLIC ENGINEERING | | | |
| AUTOMOBILE ENGG. (24 – AME) | OPERATIONS RESEARCH COM. TO ME, MCT, ETM, MEP, AME | PRODUCT DESIGN & ASSEMBLY AUTOMATION COM. TO MCT, AME | VEHICLE DYNAMICS | -- | INSTRUMENTATION AND CONTROL SYSTEMS COM. TO ME, AME | FINITE ELEMENT METHODS COM. TO ME, MEP, AME | AUTOMOTIVE CHASSIS & SUSPENSION | |
| | | TRIBOLOGY | | | | NEURAL NETWORKS AND FUZZY LOGIC COM. TO EEE, E.CON.E, MEP, AE, ICE, AME | | |
| | | AUTO AIR CONDITIONING | | | | ALTERNATIVE ENERGY SOURCES FOR AUTOMOBILES | | |

# TIME TABLE FOR SUBSTITUTE SUBJECTS FOR READMITTED STUDENTS OF R05 REGULATIONS

| DATE OF EXAMINATION: 23-11-12 (FRIDAY) | TIME OF EXAMIANTION: 02.00 PM TO 05.00 PM |
|---|---|

| BRANCH | THE SUBJECT(S) OF R05 REGULATIONS, ALREADY STUDIED BY THE RE-ADMITTED STUDENTS OF RR REGULATIONS | SUBSTITUTE SUBJECT(S) FOR THE RE-ADMITTED STUDENTS OF RR REGULATIONS |
|---|---|---|
| MECHANICAL ENGINEERING (03 - ME) | EE05323 INSTRUMENTATION & CONTROL SYSTEMS | ENVIRONMENTAL STUDIES CE 05239 →II YEAR II SEM R05 |
| | | UNIX & SHELL PROGRAMMING |
| ELECTRONICS & COMMUNICATION ENGINEERING (04 – ECE) | EC05212 ELECTRONIC MEASUREMENTS & INSTRUMENTATION | ENVIRONMENTAL STUDIES CE05239 →II YEAR I SEM R05 |
| | | ANALOG COMMUNICATIONS EC 05032→II YEAR II SEM R05 |
| | | TELECOMMUNICATION SWITCHING SYSTEMS & NETWORKING, EC05543→III YR II SEM R05 |
| COMPUTER SCIENCE AND ENGINEERING (05 – CSE) | CS 05004 ADVANCED COMPUTER ARCHITECTURE OR ARTIFICIAL INTELLIGENCE | ENVIRONMENTAL STUDIES CE 05239 →II YEAR II SEM R05 |
| | | NATURAL LANGUAGE PROCESSING CS4223 → IV YEAR II SEM RR |
| INFORMATION TECHNOLOGY (12 – IT) | CS 05004 ADVANCED COMPUTER ARCHITECTURE | NATURAL LANGUAGE PROCESSING CS4223 → IV YEAR II SEM RR |
| MECHANICAL ENGINEERING(MECHATRONICS) (14-MCT) | EE05404 MICRO PROCESSORS & MICRO CONTROLLERS | ENVIRONMENTAL STUDIES CE05239 →II YEAR II SEM R05 |
| ELECTRONICS AND COMPUTER ENGINEERING (19 - ECM) | CS05159 DATA BASE MANAGEMENT SYSTEMS | ENVIRONMENTAL STUDIES CE05239→II YEAR I SEM R05 |
| INSTRUMENTATION AND CONTROL ENGINEERING (22 – ICE) | IC05463 POWER PLANT INSTRUMENTATION | ENVIRONMENTAL STUDIES CE05239 →III YEAR I SEM R05 |
| AUTOMOBILE ENGINEERING (24 - AME) | EE05323 INSTRUMENTAION AND CONTROL SYSTEMS | ENVIRONMENTAL STUDIES CE05239 →II YEAR II SEM R05 |

NOTE:
   i.   ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
   ii.  EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
   iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUED IN THE ABOVE LIST IMMEDIATELY.

Sd/-xxxxx

DATE: 28-09-12                                                    **CONTROLLER OF EXAMINATIONS**