



GOVERNMENT POLYTECHNIC, PUNE

(An Autonomous Institute of Govt. of Maharashtra)

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Dr. D. R. Nandanwar
Principal

No.GPP/Equivalence/18/48

Date:- 20/03/2018

IMPORTANT NOTICE

ALL STUDENTS should take note of equivalence to the courses under 180Q scheme with courses under 180S scheme for all programmes (CE, EE, ET, ME, MT, CM, IT) and 180R scheme with 180S scheme for DDGM programme is approved.

Henceforth, this equivalence is applicable from Even 2017 term onwards and the question papers will be set accordingly from Even 2017 Examination.

Students can see equivalence list on the notice board of their respective department.

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Govt. Polytechnic
Pune

Copy to –

1. All Departments – CE, EE, ET, ME, MT, CM, IT, DD – for putting on the notice board

GOVERNMENT POLYTECHNIC PUNE

(An Autonomous Institute of Government of Maharashtra)

Equivalence 180 (Q) Credits Scheme with 180 (S) Credits Scheme (Excluding Science and Management Courses)

DIPLOMA IN CIVIL ENGINEERING

| 180 (Q) - Path GQ2, NQ1 | | 180 (S) - Path GS1, PS1 | | Equi - valence Yes /No |
|-------------------------|--|-------------------------|---|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| AM261 | Engineering Mechanics | AM281 | Engineering Mechanics | Yes |
| CM261 | Basics of Computer Systems | CM286 | Computer Fundamentals | Yes |
| CM264 | Basics of Computer Systems | CM286 | Computer Fundamentals | Yes |
| ME262 | Engg. Graphics | ME281 | Engg. Graphics | Yes |
| WS261 | Workshop Practice | WS281 | Workshop Practice | Yes |
| CE261 | Construction Materials & Processes | CE281 | Construction Materials & Processes | Yes |
| AU361 | Environmental Science | AU481 | Environmental Science | YES |
| AU362 | Community Development | AU482 | Community Development | Yes |
| AU363 | Renewable & sustainable energy mgmt | AU483 | Renewable & sustainable energy mgmt | Yes |
| AU364 | Engineering Economics | AU484 | Engineering Economics | Yes |
| AU365 | Industrial Psychology | AU385 | Industrial Psychology | YES |
| NE376 | Development of Soft Skills-I | NC481 | Development of Soft Skills-I | Yes |
| NE377 | Development of Soft Skills-II | NC482 | Development of Soft Skills-II | Yes |
| AM467 | Mechanics of Structures | AM381 | Mechanics of Materials and Structures | Yes |
| AM468 | Concrete Technology | AM382 | Concrete Technology | Yes |
| AM469 | Soil Mechanics | AM383 | Soil Mechanics | Yes |
| CE462 | Surveying-I | CE383 | Surveying-I | Yes |
| CE463 | Surveying-II | CE384 | Surveying-II | Yes |
| CE464 | Hydraulics | CE385 | Hydraulics | Yes |
| CE465 | Highway and Bridge Engineering | CE386 | Highway and Bridge Engineering | Yes |
| CE466 | Construction Technology | CE387 | Construction Technology | Yes |
| CE468 | Construction Technology | CE387 | Construction Technology | Yes |
| CE467 | Civil Engg. Drawing | CE382 | Civil Engg. Drawing | Yes |
| AM566 | Theory of Structures | AM481 | Theory of Structures | Yes |
| AM567 | Analysis and Design of RC Structures | AM482 | Analysis and Design of RC Structures | Yes |
| CE561 | Project and Seminar (In-house/ Industry) | CE481 | Project and Seminar (In-house / Industry) | Yes |
| CE562 | Estimation and Costing | CE482 | Estimation and Costing | Yes |
| CE566 | Estimation and Costing | CE482 | Estimation and Costing | Yes |
| CE563 | Irrigation Engineering | CE483 | Irrigation Engineering | Yes |
| CE564 | Environmental Engineering | CE484 | Environmental Engineering | Yes |
| CE565 | Contracts & Accounts | CE485 | Contracts & Accounts | Yes |
| AM764 | Design of Steel Structures | AM581 | Design of Steel Structures | Yes |
| CE762 | Advanced Construction | CE582 | Advanced Const. Techniques | Yes |
| CE769 | Advanced Const. Techniques | CE582 | Advanced Const. Techniques | Yes |
| CE763 | Railway and Tunnel Engg. | CE583 | Railway and Tunnel Engg. | Yes |
| CE765 | CAD & Computer Applications | CE486 | CAD & Computer Applications | Yes |
| CE768 | CAD & Computer Applications | CE486 | CAD & Computer Applications | Yes |

DIPLOMA IN CIVIL ENGINEERING

| 180 (Q) - Path GQ2, NQ1 | | 180 (S) - Path GS1, PS1 | | Equi - valence Yes /No |
|--------------------------------|-------------------------------------|--------------------------------|-------------------------------------|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| CE767 | Construction Equipments & Machinery | CE584 | Construction Equipments & Machinery | Yes |
| CE770 | Construction Equipments & Machinery | CE584 | Construction Equipments & Machinery | Yes |

GOVERNMENT POLYTECHNIC PUNE

(An Autonomous Institute of Government of Maharashtra)

Equivalence 180 (Q) Credits Scheme with 180 (S) Credits Scheme (Excluding Science and Management Courses)

DIPLOMA IN ELECTRICAL ENGINEERING

| 180 (Q) - Path GQ2, NQ1 | | 180 (S) - Path GS1, GS2, PS1, PS2 | | Equi - valence Yes /No |
|-------------------------|---|-----------------------------------|--|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| AM261 | ENGINEERING MECHANICS | AM281 | ENGINEERING MECHANICS | Yes |
| CM261 | BASICS OF COMPUTER SYSTEMS | CM286 | COMPUTER FUNDAMETALS | Yes |
| CM265 | FUNDAMENTALS OF COMPUTER | CM286 | COMPUTER FUNDAMETALS | Yes |
| EE261 | BASIC ELECTRICAL ENGINEERING | EE281 | BASIC ELECTRICAL ENGINEERING | Yes |
| ME261 | GRAPHIC SKILLS AND AUTOCAD | ME284 | ENGINEERING DRAWING | Yes |
| WS265 | WORKSHOP PRACTICE | WS281 | WORKSHOP PRACTICE | Yes |
| AU362 | COMMUNITY DEVELOPMENT | AU 482 | COMMUNITY DEVELOPMENT | Yes |
| AU363 | RENEWABLE & SUSTAINABLE ENERGY MGMT | AU483 | RENEWABLE & SUSTAINABLE ENERGY | Yes |
| AU364 | ENGINEERING ECONOMICS | AU484 | ENGINEERING ECONOMICS | Yes |
| AU365 | INDUSTRIAL PSYCHOLOGY | HU281 | INDUSTRIAL PSYCHOLOGY | Yes |
| NE376 | DEVELOPMENT OF SOFT SKILLS-I | NC481 | DEVELOPMENT OF SOFT SKILLS-I | Yes |
| NE377 | DEVELOPMENT OF SOFT SKILLS-II | NC482 | DEVELOPMENT OF SOFT SKILLS-II | Yes |
| EE462 | AC AND DC CIRCUITS | EE382 | ELECRICAL CIRCUITS AND NETWORK | Yes |
| EE463 | DC MACHINE TRANSFORMER | EE387 | ELECTRICAL MACHINES -I | Yes |
| EE464 | ELECRICAL MEASUREMENT AND INSTRUMENTS | EE383 | ELECTRICAL MEASUREMENT | Yes |
| EE465 | COMPUTER APPLICATION IN ELECRICAL | EE386 | COMPUTER AIDED ELECTRICAL DRAWING & MODELING | Yes |
| EE466 | DIGITAL ELECTRONICS AND MICROPROCESSOR | ET 390 | DIGITAL ELECTRONICS AND MICROPROCESSOR | Yes |
| EE467 | INDUSTRIAL ELECTRONICS | EE482 | Power Electronics and Drive | Yes |
| EE468 | GENERATION AND TRANSMISSION OF ELECTRICAL POWER | EE384 | ELECTRICAL POWER GENERATION | Yes |
| | | EE388 | TRANSMISSION AND DISTRIBUTION OF ELECTRICAL ENERGY | |
| ME466 | BASIC MECHANICAL ENGINEERING | ME287 | FUNDAMENTALS OF MECHANICAL ENGG | Yes |
| EE561 | DISTRIBUTION AND UTILIZATION OF | EE388 | TRANSMISSION AND DISTRIBUTION OF ELECTRICAL ENERGY | Yes |
| | | EE487 | UTILIZATION OF ELECTRICAL ENERGY | |
| EE562 | A C MACHINES | EE483 | A C MACHINES | Yes |
| EE564 | SWITCHGEAR AND PROTECTION | EE485 | SWITCHGEAR & PROTECTION | Yes |
| EE565 | ELECTRICAL WIRING AND ESTIMATION | EE486 | ELECTRICAL ESTIMATION & COSTING | Yes |
| EE566 | INSTRUMENTAION AND CONTROL | EE389 | INSTRUMENTATION & CONTROL | Yes |
| EE567 | INSTALLATION, TESTING AND MAINTAINCE OF | EE484 | TESTING & MAINTENANCE OF ELECT EQUIPMENT | Yes |
| EE568 | PROJECT AND SEMINAR | EE481 | PROJECT & SEMINAR | Yes |
| EE569 | A.C MACHINES | EE483 | A C MACHINES | Yes |

DIPLOMA IN ELECTRICAL ENGINEERING

| 180 (Q) - Path GQ2, NQ1 | | 180 (S) - Path GS1, GS2, PS1, PS2 | | Equi - valence Yes /No |
|--------------------------------|--|--|---|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| EE571 | INSTALLATION, TESTING AND MAINTAINCE OF | EE484 | TESTING & MAINTENANCE OF ELECT EQUIPMENT | Yes |
| EE761 | ENERGY CONSERVATION AND AUDIT | EE488 | ENERGY AUDIT AND CONSERVATION | Yes |
| EE762 | INDUSTRIAL AUTOMATION | EE581 | INDUSTRIAL AUTOMATION | Yes |
| EE764 | MICROCONTROLLER AND APPLICATIONS | EE584 | MICROCONTROLLER AND APPLICATIONS | Yes |
| EE768 | ENERGY CONSERVATION AND AUDIT | EE488 | ENERGY AUDIT AND CONSERVATION | Yes |
| EE769 | INDUSTRIAL AUTOMATION | EE581 | INDUSTRIAL AUTOMATION | Yes |

GOVERNMENT POLYTECHNIC PUNE

(An Autonomous Institute of Government of Maharashtra)

Equivalence 180 (Q) Credits Scheme with 180 (S) Credits Scheme (Excluding Science and Management Courses)

DIPLOMA IN ELECTRONICS & TELE-COMMUNICATION ENGINEERING

| 180 (Q) - Path GQ2 | | 180 (S) - Path GS1, GS2, PS1, PS2 | | Equi - valence Yes /No |
|--------------------|-------------------------------------|-----------------------------------|---------------------------------------|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| CM261 | BASICS OF COMPUTER SYSTEMS | CM286 | COMPUTER FUNDAMENTAL | Yes |
| CM262 | PROGRAMMING IN C | ET286/ CM282 | PROGRAMMING IN C | Yes |
| EE262 | ELECTRICAL TECHNOLOGY | EE283 | FUNDAMENTAL OF ELECTRICAL ENGINEERING | Yes |
| ME261 | GRAPHIC SKILLS AND AUTOCAD | ME284 | ENGINEERING DRAWING | Yes |
| WS262 | WORKSHOP PRACTICE | ET282 | ELECTRONICS WORKSHOP | Yes |
| AU362 | COMMUNITY DEVELOPMENT | AU482 | COMMUNITY DEVELOPMENT | Yes |
| AU363 | RENEWABLE & SUSTAINABLE ENERGY MGMT | AU483 | RENEWABLE & SUSTAINABLE ENERGY | Yes |
| AU364 | ENGINEERING ECONOMICS | AU484 | ENGINEERING ECONOMICS | Yes |
| NE376 | DEVELOPMENT OF SOFT SKILLS-I | NC481 | DEVELOPMENT OF SOFT SKILLS-I | Yes |
| NE377 | DEVELOPMENT OF SOFT SKILLS-II | NC482 | DEVELOPMENT OF SOFT SKILLS-II | Yes |
| ET462 | NETWORK ANALYSIS | ET382 | NETWORK ANALYSIS | Yes |
| ET464 | LINEAR INTEGRATED CIRCUITS | ET386 | LINEAR INTEGRATED CIRCUITS | Yes |
| ET466 | DIGITAL ELECTRONICS | ET388 | DIGITAL ELECTRONICS | Yes |
| ET467 | ELECTRONIC MEASURING INSTRUMENTS | ET384 | ELECTRONIC INSTRUMENTATION | Yes |
| ET468 | PRINCIPLES OF COMMUNICATION | ET385 | ANALOG COMMUNICATION | Yes |
| ET563 | DIGITAL COMMUNICATION | ET485 | DIGITAL COMMUNICATION | Yes |
| ET564 | MICROCONTROLLER BASED SYSTEMS | ET488 | PERIPHERAL INTERFACE CONTROLLER | Yes |
| ET565 | COMPUTER NETWORKING | ET487 | COMPUTER NETWORK | Yes |
| ET567 | PROJECT AND SEMINAR | ET481 | PROJECT AND SEMINAR | Yes |
| ET761 | WIRELESS AND MOBILE COMMUNICATION | ET581 | WIRELESS COMMUNICATION | Yes |
| ET762 | SATELLITE COMMUNICATION | ET582 | SATELLITE COMMUNICATION | Yes |
| ET766 | AUTOMOTIVE MECHATRONICS | ET587 | AUTOMOTIVE MECHATRONICS | Yes |

GOVERNMENT POLYTECHNIC PUNE

(An Autonomous Institute of Government of Maharashtra)

Equivalence 180 (Q) Credits Scheme with 180 (S) Credits Scheme (Excluding Science and Management Courses)

DIPLOMA IN MECHANICAL ENGINEERING

| 180 (Q) - Path GQ2, N03, NQ1 | | 180 (S) - Path GS1, PS1 | | Equi - valence Yes /No |
|-------------------------------------|---------------------------------------|--------------------------------|---|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| AM261 | ENGINEERING MECHANICS | AM281 | ENGINEERING MECHANICS | Yes |
| CM264 | COMPUTER FUNDAMENTALS | CM286 | COMPUTER FUNDAMENTALS | Yes |
| EE263 | ELEMENTS OF ELECTRICAL ENGINEERING | EE 282 | ELECTRICAL TECHNOLOGY | Yes |
| ET262 | ELEMENTS OF ELECTRONICS | ET 285 | ELEMENTS OF ELECTRONICS ENGINEERING | Yes |
| ME262 | ENGINEERING GRAPHICS | ME281 | ENGINEERING GRAPHICS | Yes |
| ME264 | COMPUTER AIDED DRAFTING | ME282 | COMPUTER AIDED DRAFTING | Yes |
| WS261 | WORKSHOP PRACTICE | WS281 | WORK SHOP PRACTICE | Yes |
| WS264 | WORKSHOP TECHNOLOGY | WS281 | WORK SHOP PRACTICE | Yes |
| AU361 | ENVIRONMENTAL SCIENCE | AU481 | ENVIRONMENTAL SCIENCE | Yes |
| AU362 | COMMUNITY DEVELOPMENT | AU 482 | COMMUNITY DEVELOPMENT | Yes |
| AU363 | RENEWABLE & SUSTAINABLE ENERGY MGMT | AU483 | RENEWABLE & SUSTAINABLE ENERGY MANAGEMENT | Yes |
| AU364 | ENGINEERING ECONOMICS | AU484 | ENGINEERING ECONOMICS | Yes |
| NE376 | DEVELOPMENT OF SOFT SKILLS-I | NC 481 | DEVELOPMENT OF SOFT SKILL-I | Yes |
| NE377 | DEVELOPMENT OF SOFT SKILLS-II | NC 482 | DEVELOPMENT OF SOFT SKILL-II | Yes |
| AM470 | STRENGTH OF MATERIALS | AM 384 | STRENGTH OF MATERIALS | Yes |
| ME461 | THERMODYNAMICS AND HEAT ENGINES | ME 382 | THERMODYNAMICS & HEAT ENGINES | Yes |
| ME462 | FLUID MECHANICS AND FLUID MACHINERY | ME 383 | FLUID MECHANICS & FLUID MACHINERY | Yes |
| ME463 | MACHINE DRAWING AND COMPUTER GRAPHICS | ME 381 | MACHINE DRAWING | Yes |
| ME464 | MECHANICAL MEASUREMENT | ME 384 | MECHANICAL MEASUREMENT | Yes |
| ME465 | THEORY OF MACHINES AND MECHANISM | ME 385 | THEORY OF MACHINES & MECHANISMS | Yes |
| ME467 | THEORY OF MACHINES AND MECHANISM | ME 385 | THEORY OF MACHINES & MECHANISMS | Yes |
| ME468 | MACHINE DRAWING | ME 381 | MACHINE DRAWING | Yes |
| ME469 | FLUID MECHANICS AND MACHINE | ME 383 | FLUID MECHANICS & FLUID MACHINERY | Yes |
| MT468 | ENGINEERING MATERIALS | MT 388 | ENGINEERING MATERIALS | Yes |
| WS461 | MANUFACTURING PROCESSES | WS 381 | MANUFACTURING PROCESSES | Yes |
| ME561 | POWER ENGINEERING | ME 482 | POWER ENGINEERING | Yes |
| ME562 | INDUSTRIAL HYDRAULICS AND PNEUMATICS | ME 483 | INDUSTRIAL HYD. & PNEUMATICS. | Yes |

DIPLOMA IN MECHANICAL ENGINEERING

| 180 (Q) - Path GQ2, N03, NQ1 | | 180 (S) - Path GS1, PS1 | | Equi - valence Yes /No |
|-------------------------------------|------------------------------------|--------------------------------|-----------------------------------|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| ME563 | PRODUCTION PLANNING,CONTROL AND | ME 484 | PROD. PLANNING AND CONTROL & CAPP | Yes |
| ME564 | MACHINE DESIGN & CADD | ME 485 | DESIGN OF MACHINE ELEMENTS | Yes |
| ME565 | METROLOGY AND QUALITY CONTROL | ME 486 | METROLOGY & QUALITY CONTROL | Yes |
| ME566 | MACHINE DESIGN & CADD | ME 485 | DESIGN OF MACHINE ELEMENTS | Yes |
| WS561 | PRODUCTION TECHNOLOGY AND CAM | WS 481 | PRODUCTION TECHNOLOGY | Yes |
| WS562 | CNC AND UNCONVENTIONAL | WS 581 | CNC & UNCONV. ADVA. MNFG. | Yes |
| ME761 | PROJECT AND SEMINAR | ME481 | PROJECT & SEMINAR | yes |
| ME762 | ROBOTICS AND MECHATRONICS | ME586 | MECHATRONICS | yes |
| ME763 | REFRIGERATION AND AIR CONDITIONING | ME581 | REFRIGERATION & AIR CONDATIONING | yes |
| ME765 | INSTRUMENTATION AND CONTROL | ME 582 | INSTRUMENTATION & CONTROL | yes |
| ME766 | TOOL ENGINEERING | ME 583 | TOOL ENGINEERING. | yes |
| ME773 | AUTOMOBILE ENGINEERING | ME584 | AUTOMOBILE ENGINEERING | YES |

GOVERNMENT POLYTECHNIC PUNE

(An Autonomous Institute of Government of Maharashtra)

Equivalence 180 (Q) Credits Scheme with 180 (S) Credits Scheme (Excluding Science and Management Courses)

DIPLOMA IN METALLURGICAL ENGINEERING

| 180 (Q) - Path GQ2 | | 180 (S) - Path GS1, GS2, PS1, PS2 | | Equi - valence Yes /No | |
|--------------------|---|-----------------------------------|---|------------------------------|------------|
| Course Code | Course Title | Course Code | Course Title | | |
| AM261 | ENGINEERING MECHANICS | AM281 | ENGINEERING MECHANICS | Yes | |
| CM261 | BASICS OF COMPUTER SYSTEMS | CM286 | COMPUTER FUNDAMENTALS | Yes | |
| EE263 | ELEMENTS OF ELECTRICAL ENGINEERING | EE282 | ELECTRICAL TECHNOLOGY | Yes | |
| ET262 | ELEMENTS OF ELECTRONICS ENGINEERING | ET285 | ELEMENTS OF ELECTRONICS ENGINEERING | Yes | GS1 PS1 |
| | | ET287 | BASIC ELECTRONICS | Yes | GS2 PS2 |
| ME262 | ENGINEERING GRAPHICS | ME281 | ENGINEERING GRAPHICS | Yes | |
| WS261 | WORKSHOP PRACTICE | WS281 | WORKSHOP PRACTICE | Yes | |
| AU362 | COMMUNITY DEVELOPMENT | AU482 | COMMUNITY DEVELOPMENT | Yes | |
| AU363 | RENEWABLE & SUSTAINABLE ENERGY MGMT | AU483 | RENEWABLE & SUSTAINABLE ENERGY MANAGEMENT | Yes | |
| AU364 | ENGINEERING ECONOMICS | AU484 | ENGINEERING ECONOMICS | Yes | |
| NE376 | DEVELOPMENT OF SOFT SKILLS-I | NC481 | DEVELOPMENT OF SOFT SKILLS I | Yes | |
| NE377 | DEVELOPMENT OF SOFT SKILLS-II | NC482 | DEVELOPMENT OF SOFT SKILLS II | Yes | |
| MT461 | BASIC METALLURGY | MT382 | BASIC METALLURGY | Yes | |
| MT462 | MATERIAL TESTING & QUALITY ASSURANCE | MT383 | MATERIAL TESTING & QUALITY ASSURANCE | Yes | |
| MT463 | METALLURGICAL ANALYSIS | MT384 | METALLURGICAL ANALYSIS | Yes | |
| MT464 | EXTRACTION OF FERROUS METALS | MT385 | EXTRACTION OF FERROUS METALS | Yes | |
| MT465 | EXTRACTION OF NON FERROUS METALS | MT386 | EXTRACTION OF NON FERROUS METALS | Yes | |
| MT467 | ELEMENTS OF PHYSICAL METALLURGY | MT482 | ELEMENTS OF PHYSICAL METALLURGY | Yes | |
| SC463 | ADVANCED PHYSICS | SC283 | ADVANCED PHYSICS | Yes | |
| MT561 | PROJECT AND SEMINAR (IN-HOUSE / INDUSTRY) | MT481 | PROJECT AND SEMINAR (IN-HOUSE / INDUSTRY) | Yes | |
| MT562 | FOUNDRY ENGINEERING | MT483 | FOUNDRY ENGINEERING | Yes | |
| MT563 | POWDER METALLURGY | MT484 | POWDER METALLURGY | Yes | |
| MT564 | METAL WORKING PROCESSES | MT485 | METAL WORKING PROCESSES | Yes | |
| MT565 | HEAT TREATMENT OF METALS & ALLOYS | MT486 | HEAT TREATMENT OF METALS & ALLOYS | Yes | |
| MT566 | FURNACE TECHNOLOGY | MT281 | FURNACE TECHNOLOGY | Yes | |
| MT761 | METALLURGICAL DRAWING & DESIGN | MT581 | METALLURGICAL DRAWING & DESIGN | Yes | |
| MT762 | SELECTION OF MATERIALS & FAILURE ANALYSIS | MT582 | SELECTION OF MATERIALS & FAILURE ANALYSIS | Yes | |

DIPLOMA IN METALLURGICAL ENGINEERING

| 180 (Q) - Path GQ2 | | 180 (S) - Path GS1, GS2, PS1, PS2 | | Equi - valence Yes /No |
|---------------------------|--|--|--|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| MT763 | WELDING & MODERN FORMING PROCESSES | MT583 | WELDING & MODERN FORMING PROCESSES | Yes |
| MT764 | COMPUTER APPLICATIONS IN METALLURGY | MT584 | COMPUTER APPLICATIONS IN METALLURGY | Yes |
| MT765 | ADVANCED PHYSICAL METALLURGY | MT585 | ADVANCED PHYSICAL METALLURGY | Yes |
| MT766 | MODERN FOUNDRY ENGINEERING | MT586 | MODERN FOUNDRY ENGINEERING | Yes |
| MT767 | SURFACE PROTECTION METHODS | MT587 | SURFACE PROTECTION METHODS | Yes |
| MT768 | NON METALLIC MATERIALS | MT588 | NON METALLIC MATERIALS | Yes |

DIPLOMA IN COMPUTER ENGINEERING

Equivalence of 180 (Q) with 180 (S)

| 180 (Q) - Path GQ2 | | 180 (S) - Path GS1 | | |
|--------------------|---------------------------------------|--------------------|---------------------------------------|----------------|
| Course Code | Course Title | Course Code | Course Title | Equi - valence |
| CM263 | PROGRAMMING IN C | CM282 | PROGRAMMING IN C | YES |
| EE262 | ELECTRICAL TECHNOLOGY | EE283 | FUNDAMENTAL OF ELECTRICAL ENGINEERING | YES |
| ET262 | ELEMENTS OF ELECTRONICS | ET284 | FUNDAMENTAL OF ELECTRONIC | YES |
| AU361 | Environmental Science | AU481 | ENVIRONMENTAL SCIENCE | YES |
| AU362 | Community Development | AU482 | COMMUNITY DEVELOPMENT | YES |
| NE376 | Development of Soft Skills-I | NC481 | DEVELOPMENT OF SOFTSKILLS - I | YES |
| NE377 | Development of Soft Skills-II | NC482 | DEVELOPMENT OF SOFT SKILLS - II | YES |
| CM461 | OPERATING SYSTEMS | CM381 | OPERATING SYSTEMS | YES |
| CM463 | COMPUTER GRAPHICS | CM383 | COMPUTER GRAPHICS USING C | YES |
| CM465 | RELATIONAL DATABASE MANAGEMENT SYSTEM | CM487 | RELATIONAL DATABASE MANAGEMENT SYSTEM | YES |
| CM466 | DIGITAL TECHNIQUES | CM385 | DIGITAL TECHNIQUES | YES |
| CM561 | PROJECT AND SEMINAR | CM481 | PROJECT AND SEMINAR | YES |
| CM563 | JAVA PROGRAMMING | CM389 | JAVA PROGRAMMING - I | YES |
| CM564 | ADVANCED COMPUTER NETWORK | CM484 | ADVANCD COMPUTER NETWORKS | YES |
| CM565 | OBJECT ORIENTED PROGRAMMING:C++ | CM388 | OBJECT ORIENTED PROGRAMMING | YES |
| CM566 | DATA STRUCTURES | CM387 | DATA STRUCTURES | YES |
| CM761 | ADVANCED JAVA PROGRAMMING | CM482 | JAVA PROGRAMMING - II | YES |
| CM763 | SYSTEMS PROGRAMMING | CM587 | SYSTEM PROGRAMMING | YES |
| CM764 | COMPUTER SECURITY | CM485 | COMPUTER SECURITY | YES |
| CM765 | SOFTWARE TESTING | CM486 | SOFTWARE TESTING | YES |
| CM767 | ADVANCED WEB PROGRAMMING USING JSP | CM585 | SCRIPTING TECHNOLOGY USING JSP | YES |

GOVERNMENT POLYTECHNIC PUNE

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Equivalence 180 (Q) Credits Scheme with 180 (S) Credits Scheme (Excluding Science and Management Courses)

DIPLOMA IN INFORMATION TECHNOLOGY

| 180 (Q) - Path GQ2 | | 180 (S) - Path GS1 | | Equi - valence Yes /No |
|---------------------------|---------------------------------------|---------------------------|-------------------------------------|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| CM263 | PROGRAMMING IN C | CM 282 | PROGRAMMING IN C | Yes |
| EE262 | ELECTRICAL TECHNOLOGY | EE 283 | FUNDAMENTALS OF ELECTRICAL | Yes |
| ET262 | ELEMENTS OF ELECTRONICS | ET 284 | FUNDAMENTALS OF ELECTRONICS | Yes |
| WS263 | WORKSHOP PRACTICE | CM 283 | COMPUTER WORKSHOP | Yes |
| AU362 | COMMUNITY DEVELOPMENT | AU 482 | COMMUNITY DEVELOPMENT | Yes |
| AU363 | RENEWABLE & SUSTAINABLE ENERGY MGMT | AU 483 | RENEWABLE & SUSTAINABLE ENERGY MGMT | Yes |
| AU364 | ENGINEERING ECONOMICS | AU 484 | ENGINEERING ECONOMICS | Yes |
| CM461 | OPERATING SYSTEMS | IT 385 | OPERATING SYSTEMS | Yes |
| CM465 | RELATIONAL DATABASE MANAGEMENT SYSTEM | IT 384 | RELATIONAL DATABASE MANAGEMENT | Yes |
| IT465 | MULTIMEDIA TECHNIQUES | IT382 | MULTIMEDIA AND ANIMATION | Yes |
| CM563 | JAVA PROGRAMMING | CM 389 | JAVA PROGRAMMING I | Yes |
| CM565 | OBJECT ORIENTED PROGRAMMING: C++ | CM 388 | OBJECT ORIENTED PROGRAMMING | Yes |
| CM566 | DATA STRUCTURES | CM 387 | DATA STRUCTURES | Yes |
| CM567 | SOFTWARE ENGINEERING | IT 484 | SOFTWARE ENGINEERING | Yes |
| CM761 | ADVANCED JAVA PROGRAMMING | CM 482 | JAVA PROGRAMMING II | Yes |
| CM765 | SOFTWARE TESTING | CM 486 | SOFTWARE TESTING | Yes |
| IT761 | PROGRAMMING IN PHP | IT 582 | SERVER SIDE SCRIPTING USING PHP | Yes |

Dress Designing and Garment Manufacturing department

Equivalence of 180 (R) with 180 (S) GS1

| 180 (R) - Path NO1 | | 180 (S) - Path GS1 | | Equi - valence Yes /No |
|--------------------|--|--------------------|--|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| DD141 | Equipments and Machines for Apparel Construction | DD184 | Equipments and Machines for Apparel Construction | Yes |
| DD143 | Garment Finishing techniques | DD182 | Garment Finishing techniques | Yes |
| HU141 | Communication Skill | HU182 | Communication Skill | Yes |
| DD341 | Fashion Draping | DD288 | Fundamentals of draping | Yes |
| DD241 | Elements of Textile | DD281 | Elements of Textile | Yes |
| DD243 | Indain Costume | DD285 | History of Fashion-I | Yes |
| DD244 | Traditional Textiles of India | DD286 | Textiles of India | Yes |
| DD443 | World Dress | DD482 | History of Fashion-II | Yes |
| DD446 | Fashion Merchandising | DD388 | Fashion studies | Yes |
| DD544 | Creative Fashion Presentation | DD584 | Creative Fashion Presentation | Yes |
| DD549 | Indain Embroidery | DD484 | Embroideries of India | Yes |
| DD550 | Apparel Management | MA488 | Apparel Management | Yes |
| DD741 | Retail Promotion | DD583 | Retail Promotion | Yes |
| DD541 | Project and seminar | DD481 | Project and Seminar | Yes |
| DD542 | Computer Aided Design | DD382 | Graphic Design | Yes |
| DD543 | Pattern Making and Apparel Construction | DD384 | Pattern Making and Apparel Construction-I | Yes |
| DD548 | Portfolio Development | DD486 | Portfolio Development | Yes |
| DD742 | Advance Computer Aided | DD483 | Digital Design Studio | Yes |

GOVERNMENT POLYTECHNIC PUNE
(An Autonomous Institute of Government of Maharashtra)
Equivalence 180 (Q) Credits Scheme with 180 (S) Credits Scheme

ENGLISH DEPARTMENT

| 180 (Q) | | 180 (S) | | Equi - valence Yes /No |
|----------------|---------------------|----------------|---------------------|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| HU161 | English | HU181 | English | Yes |
| HU162 | Communication Skill | HU182 | Communication Skill | Yes |
| HU163 | TECHNICAL ENGLISH | HU181 | ENGLISH | Yes |

PHYSICS DEPARTMENT

| 180 (Q) | | 180 (S) | | Equi - valence Yes /No |
|----------------|---------------------|----------------|---------------------|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| SC163 | APPLIED PHYSICS | SC183 | ENGINEERING PHYSICS | Yes |
| SC164 | ENGINEERING PHYSICS | SC183 | ENGINEERING PHYSICS | Yes |
| SC463 | ADVANCED PHYSICS | SC283 | ADVANCED PHYSICS | Yes |

MANAGEMENT COURSES

| 180 (Q) | | 180 (S) | | Equi - valence Yes /No |
|----------------|------------------------------|----------------|--------------------------------------|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| MA661 | PRINCIPLES OF MANAGEMENT | MA482 | INDUSTRIAL ORGANISATION & MANAGEMENT | YES |
| MA662 | ENTREPRENEURSHIP DEVELOPMENT | MA483 | ENTREPRENEURSHIP DEVELOPMENT | YES |
| MA664 | MATEREIALS MANAGEMENT | MA484 | MATEREIALS MANAGEMENT | Yes |
| MA665 | SUPERVISORY MANAGEMENT | MA485 | SUPERVISORY MANAGEMENT | Yes |
| MA666 | TOTAL QUALITY MANAGEMENT | MA486 | TOTAL QUALITY MANAGEMENT | Yes |

MATHS DEPARTMENT

| 180 (Q) | | 180 (S) | | Equi - valence Yes /No |
|----------------|-------------------------|----------------|-------------------|------------------------------|
| Course Code | Course Title | Course Code | Course Title | |
| SC161 | APPLIED MATHS I | SC181 | APPLIED MATHS I | Yes |
| SC162 | APPLIED MATHS II | SC182 | APPLIED MATHSII | No |
| SC262 | ENGINEERING MATHEMATICS | SC281 | APPLIED MATHS-III | NO |
| SC361 | Applied Maths III | SC281 | Applied Maths-III | NO |
| SC362 | APPLIED MATHS- III | SC282 | ENGINEERING MATHS | NO |

Complete equivalence of 180, 180R, 180Q and 180S is given below -

SC121 / SC141 / SC161 are equivalent to SC181 - Applied Maths I

SC122 is equivalent to SC142 - Applied Maths II

SC321 / SC341 are equivalent to SC281 - Applied Maths III

SC262 is equivalent to SC361 - Applied Maths III

SC322 / SC342 are equivalent to SC282 - Engineering Mathematics