



മഹാത്മാഗാന്ധി സർവ്വകലാശാല, കേരളം
(സംഗ്രഹം)

14.08.2018 ൽ നടന്ന BOS in Computer Science (UG) യുടെ യോഗത്തിന്റെ പാഠ്യപദ്ധതി പരിഷ്കരണ ശുപാർശകൾ അംഗീകരിച്ചത് സംബന്ധിച്ച് ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

അക്കാദമിക് എ XII സെക്ഷൻ

സ.ഉ.നം. 453/ACAXII/2/B.Sc. CS/2018

തീയതി, പി.ഡി.ഹിൽസ്, 24.01.2019

- പരാമർശം : 1. 14.08.2018 ൽ നടന്ന BOS in Computer Science (UG) യുടെ യോഗത്തിന്റെ മിനിറ്റ്സ്
- 2. യു.ഒ. നം. 314/എ.സി.എ9/1/ B.Sc. Computer Application/2018 Dated 17.1.19

ഉത്തരവ്

മേൽ പരാമർശ പ്രകാരം ബി.എസ്.സി കമ്പ്യൂട്ടർ സയൻസ് കോഴ്സിന്റെ പാഠ്യപദ്ധതി പരിഷ്കരണവുമായി ബന്ധപ്പെട്ട് യൂണിവേഴ്സിറ്റി സെനറ്റ് ഹാളിൽ നടന്ന BOS in Computer Application (UG) ശുപാർശകളും, ശുപാർശകൾക്കൊപ്പം വിവിധ പ്രോഗ്രാമുകളുടെ പേപ്പറുകളുടെ കോഡും ക്രെഡിറ്റും ഉൾപ്പെട്ട പട്ടികയും അംഗീകാരത്തിനായി സമർപ്പിച്ചിരുന്നു. പരാമർശം (1) പ്രകാരമുള്ള ശുപാർശകൾ ചുവടെ ചേർക്കുന്നു.

- 1) ബി.എസ്.സി കമ്പ്യൂട്ടർ സയൻസിന്റെ കോംപ്ലിമെന്ററി കോഴ്സുകളായി (ഇലക്ട്രോണിക്സ്)
I Semester – a) Computer Fundamentals & Basics of PC Hardware b) Fundamentals of Digital Systems
II Semester – Data communication
III Semester – Networking Fundamentals
IV Semester – Microprocessor & Assembly Language Programming
എന്നിവ പരിഗണിക്കുക
- 2) ബി.സി.എ കോഴ്സിന് Cloud Computing എന്ന പേരിൽ Core Course ഉള്ളതിനാൽ ആശയക്കുഴപ്പം ഒഴിവാക്കുന്നതിനായി ബി.എസ്.സി കമ്പ്യൂട്ടർ സയൻസ് കോഴ്സിന്റെ Elective Paper ആയ Cloud Computing എന്നത് Cloud Computing Techniques എന്നാക്കുക.
- 3) ബി.എസ്.സി കമ്പ്യൂട്ടർ ആപ്ലിക്കേഷൻ ട്രിപ്പിൾ മെയിൻ കോഴ്സിന്റെ Viva Voce മാത്തമാറ്റിക്സും സ്റ്റാറ്റിസ്റ്റിക്സും ഉൾപ്പെടുന്ന കോഴ്സ് വൈവ ആക്കാതെ കമ്പ്യൂട്ടർ സയൻസ് പേപ്പർ മാത്രം ഉൾക്കൊള്ളിച്ചാക്കുക. ട്രിപ്പിൾ മെയിൻ കോഴ്സിന്റെ Viva Voce യുടെ ആകെ ക്രെഡിറ്റ് 2 ആക്കുക.
- 4) കമ്പ്യൂട്ടർ സയൻസിന്റെ ബോർഡ് ഓഫ് സ്റ്റുഡീസ് ഓഫർ ചെയ്യുന്ന മറ്റ് പ്രോഗ്രാമുകൾക്ക് തത്തുല്യമാക്കുന്നതിനായി ബി.എസ്.സി ഐ.ടി പ്രോഗ്രാമിന് കോഴ്സ് വൈവ കൂടി ഉൾക്കൊള്ളിക്കുക. 100 മാർക്കിനുള്ള കോഴ്സ് വൈവയുടെ ക്രെഡിറ്റ് 1 ആയിരിക്കും. ബി.എസ്.സി ഐ.ടി പ്രോഗ്രാമിന്റെ ആകെ ക്രെഡിറ്റ് 120 ആയിരിക്കും. ആകെ പേപ്പറുകളുടെ എണ്ണം 36 ആയിരിക്കും.
- 5) വൊക്കേഷണൽ, കോംപ്ലിമെന്ററി കോഴ്സുകളുടെ താഴെപ്പറയുന്ന പട്ടികയിലുൾക്കൊള്ളിച്ചിരിക്കുന്ന കോഡിംഗ് പാറ്റേണും ക്രെഡിറ്റും അംഗീകരിക്കുക.

| I. Course : BCA | | | | | | | | | | |
|------------------------|--------------------|--|------------------------|-----------------------|-------------------|--------------|-------------|--------------|----------------|----------------------|
| Sem | Course Code | Course Title | Course Category | Hours per week | Exam (Hrs) | Marks | | | Credits | Total Credits |
| | | | | | | Intl | Extl | Total | | |
| I | EN1CCT01 | English-I Fine Tune Your English | Common | 5 | 3 | 20 | 80 | 100 | 4 | 21 |
| | MM1CMT03 | Discrete Mathematics (I) | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | ST1CMT31 | Basic Statistics and Introductory Probability Theory | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS1CRT01 | Computer Fundamentals and Digital Principles | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS1CRT02 | Methodology of Programming and C Language | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS1CRP01 | Software Lab I | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| II | EN2CCT03 | English - Issues That Matter | Common | 5 | 3 | 20 | 80 | 100 | 4 | 20 |
| | MM2CMT03 | Discrete Mathematics (II) | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS2CRT04 | Data Base Management Systems | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS2CRT05 | Computer Organization and Architecture | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS2CRT06 | Object oriented programming using C++ | Core | 3 | 3 | 20 | 80 | 100 | 3 | |
| | CS2CRP02 | Software Lab-II | Core | 5 | 3 | 20 | 80 | 100 | 2 | |
| III | ST3CMT32 | Advanced Statistical Methods | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | 21 |
| | CS3CRT07 | Computer Graphics | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CA3CRT01 | Microprocessor and PC Hardware | Core | 3 | 3 | 20 | 80 | 100 | 4 | |
| | CA3CRT02 | Operating Systems | Core | 4 | 3 | 20 | 80 | 100 | 4 | |

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|-----------|-----------------|---|---------------|---|---|----|----|-----|---|-----------|
| | CS3CRT08 | Data Structure using C++ | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS3CRP03 | Software Lab III | Core | 6 | 3 | 20 | 80 | 100 | 2 | |
| IV | MM4CMT03 | Operations Research | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | 21 |
| | CS4CRT09 | Design and Analysis of Algorithms | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CA4CRT03 | System Analysis & Software Engineering | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS4CRT10 | Linux Administration | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS4CRT11 | Web Programming using PHP | Core | 3 | 3 | 20 | 80 | 100 | 3 | |
| | CS4CRP04 | Software Lab IV | Core | 6 | 3 | 20 | 80 | 100 | 2 | |
| V | CS5CRT12 | Computer Networks | Core | 3 | 3 | 20 | 80 | 100 | 4 | 19 |
| | CS5CRT13 | IT and Environment | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS5CRT14 | Java Programming using Linux | Core | 3 | 3 | 20 | 80 | 100 | 3 | |
| | CS5OPT01 | Open Course - Informatics and Cyber Ethics | Core | | | | | | | |
| | CS5OPT02 | Open Course - Computer Fundamentals, Internet & MS Office | | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS5CRP05 | Software Lab V | Core | 5 | 3 | 20 | 80 | 100 | 2 | |
| | CA5PRP01 | Software Development Lab I (Mini Project in PHP) | Core | 6 | 3 | 20 | 80 | 100 | 3 | |
| VI | CA6CRT04 | Cloud Computing | Core | 4 | 3 | 20 | 80 | 100 | 4 | 18 |
| | CS6CRT15 | Mobile Application development-Android | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS6CBT01 | Elective - Digital Image Processing | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS6CBT02 | Elective - Data Mining | | | | | | | | |

| | CS6CBT03 | Elective - Soft Computing Techniques | Core | | | | | | | | |
|--|-----------------|---|-----------------|----------------|------------|-------|------|-------|---------|---------------|--|
| | CA6SMP01 | Software Lab VI & Seminar | Core | 6 | 3 | 100 | - | 100 | 2 | | |
| | CA6PRP02 | Software Development Lab II (Main Project) | Core | 7 | 3 | 20 | 80 | 100 | 3 | | |
| | CA6VVP01 | Course Viva | Core | | 3 | - | 100 | 100 | 1 | | |
| | | | | TOTAL | | | | | | 120 | |
| II. Course : BSc Computer Science | | | | | | | | | | | |
| Sem | Course Code | Course Title | Course Category | Hours per week | Exam (Hrs) | Marks | | | Credits | Total Credits | |
| | | | | | | Intl | Extl | Total | | | |
| I | EN1CCT01 | English- Fine tune your english | Common | 5 | 3 | 20 | 80 | 100 | 4 | 21 | |
| | MM1CMT03 | Mathematics - Discrete Mathematics (I) | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | | |
| | EL1CMT05 | Electronics - Computer Fundamentals and Basics of PC Hardware | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | | |
| | CS1CRT02 | Methodology of Programming and C Language | Core | 4 | 3 | 20 | 80 | 100 | 3 | | |
| | EL1CMT06 | Electronics - Fundamentals of Digital Systems | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | | |
| | CC1CRP01 | Software lab - 1 | Core | 4 | 3 | 20 | 80 | 100 | 2 | | |
| II | EN2CCT03 | English-Issues That Matter | Common | 5 | 3 | 20 | 80 | 100 | 4 | 21 | |
| | MM2CMT03 | Mathematics - Discrete Mathematics (II) | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | | |
| | EL2CMT07 | Electronics - Data Communication | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | | |
| | CS2CRT05 | Computer Organization and Architecture | Core | 4 | 3 | 20 | 80 | 100 | 4 | | |
| | CS2CRT06 | Object Oriented Programing | Core | 4 | 3 | 20 | 80 | 100 | 3 | | |

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|------------|-----------------|--|---------------|---|---|----|----|-----|---|----|
| | | Using C++ | | | | | | | | |
| | CC2CRP02 | Software lab - II | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| III | ST3CMT41 | Statistics - Statistical Methods and Probability Theory | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | 20 |
| | CC3CRT01 | Database Management Systems | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CC3CRT02 | System Analysis and Design | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | EL3CMT08 | Electronics - Networking Fundamentals | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS3CRT08 | Data Structure Using C++ | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CC3CRP03 | Software Lab - III | Core | 5 | 3 | 20 | 80 | 100 | 2 | |
| IV | CS4CRT10 | Linux Administration | Core | 4 | 3 | 20 | 80 | 100 | 4 | 19 |
| | EL4CMT09 | Electronics - Microprocessor and Assembly Language Programming | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CC4CRT03 | Computer Aided Optimization Techniques | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS4CRT11 | Web Programming using PHP | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CC4CRP04 | Software Lab - IV | Core | 5 | 3 | 20 | 80 | 100 | 2 | |
| | CC4CRP05 | Assembly Language Programming Lab | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| V | CC5CRT04 | System Software and Operating System | Core | 4 | 3 | 20 | 80 | 100 | 4 | 21 |
| | CS5CRT13 | IT and Environment | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS5CRT14 | Java Programming Using Linux | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CC5CRT05 | Computer Security | Core | 4 | 3 | 20 | 80 | 100 | 4 | |

| | CS5OPT01 | Open Course - Informatics and Cyber Ethics | | | | | | | | | |
|--|--------------------|--|------------------------|-----------------------|-------------------|--------------|-------------|--------------|----------------|----------------------|----|
| | CS5OPT02 | Open Course - Computer Fundamentals, Internet & MS Office. | Core | 4 | 3 | 20 | 80 | 100 | 3 | | |
| | CC5PRP01 | Software Development Lab in Java and Mini Project in PHP | Core | 5 | - | 20 | 80 | 100 | 3 | | |
| VI | CC6CRT06 | Computer Graphics | Core | 5 | 3 | 20 | 80 | 100 | 4 | | |
| | CC6CRT07 | Big Data Analytics | Core | | | 20 | 80 | 100 | 4 | | |
| | CC6CBT01 | Elective - Python and Latex | Core | | | | | | | | |
| | CS6CBT01 | Elective - Digital Image Processing | | | | 20 | 80 | 100 | 4 | | |
| | CC6CBT02 | Elective - Cloud Computing Techniques | | | | | | | | | |
| | CC6SMP01 | Software Lab VI and Seminar | Core | | | 100 | | 100 | 2 | | |
| | CC6PRP02 | Software Development Lab II(Main Project) | Core | 7 | | 20 | 80 | 100 | 3 | | |
| | CC6VVP01 | Course Viva | Core | | | | | 100 | 100 | 1 | 18 |
| | | | | TOTAL | | | | | | 120 | |
| III. Course : BSc Computer Applications Triple Main | | | | | | | | | | | |
| Sem | Course Code | Course Title | Course Category | Hours per week | Exam (Hrs) | Marks | | | Credits | Total Credits | |
| | | | | | | Intl | Extl | Total | | | |
| I | EN1CCT01 | English - Fine Tune Your English | Common | 5 | 3 | 20 | 80 | 100 | 4 | | |
| | ST1CMT01 | Statistics - Descriptive Statistics | Core | 4 | 3 | 20 | 80 | 100 | 3 | | |
| | MM1CRT01 | Mathematics - Foundation of Mathematics | Core | 4 | 3 | 20 | 80 | 100 | 3 | | |
| | CS1CRT01 | Computer Fundamentals and Digital principles | Core | 4 | 3 | 20 | 80 | 100 | 4 | 19 | |

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|------------|-----------------|---|--------|---|---|----|----|-----|---|-----------|
| | CS1CRT02 | Methodology Of Programming and C Language | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS1CRP01 | Software Lab 1 | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| II | EN2CCT03 | English - Issues That Matter | Common | 5 | 3 | 20 | 80 | 100 | 4 | 18 |
| | ST2CMT02 | Statistics - Probability Theory | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | MM2CRT01 | Mathematics - Analytic Geometry, Trigonometry and Differential Calculus | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS2CRT04 | Data Base Management Systems | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS2CRT06 | Object oriented programming using C++ | Core | 3 | 3 | 20 | 80 | 100 | 3 | |
| | CS2CRP02 | Software Lab-II | Core | 5 | 3 | 20 | 80 | 100 | 2 | |
| III | ST3CMT03 | Statistics - Probability Distributions | Core | 5 | 3 | 20 | 80 | 100 | 4 | 21 |
| | MM3CRT01 | Mathematics - Calculus | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | CS3CRT08 | Data Structure Using C++ | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CT3CRT01 | Computer Networks | Core | 3 | 3 | 20 | 80 | 100 | 4 | |
| | CT3CRT02 | System Analysis and Software Engineering | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS3CRP03 | Software Lab III | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| IV | ST4CMT04 | Statistics - Statistical Inference | Core | 5 | 3 | 20 | 80 | 100 | 4 | 21 |
| | ST4CMT05 | Statistics - Sample Survey Designs | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | MM4CRT01 | Mathematics - Vector Calculus, Theory of Numbers and Laplace Transforms | Core | 5 | 3 | 20 | 80 | 100 | 4 | |

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|-----------|-----------------|--|------|--------------|---|----|-----|-----|---|------------|
| | CS4CRT10 | Linux Administration | Core | 3 | 3 | 20 | 80 | 100 | 4 | |
| | CS4CRT11 | Web Programming Using PHP | Core | 3 | 3 | 20 | 80 | 100 | 3 | |
| | CS4CRP04 | Software Lab IV | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| V | CS5CRT13 | IT and Environment | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | MM5CRT01 | Mathematics - Mathematical Analysis | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | MM5CRT02 | Mathematics - Differential Equations | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | CS5CRT14 | Java Programming using Linux | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS5OPT01 | Open Course - Informatics and Cyber Ethics | | | | | | | | |
| | CS5OPT02 | Open Course - Computer Fundamentals, Internet & MS Office. | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS5CRP05 | Software Lab V | Core | 2 | 3 | 20 | 80 | 100 | 2 | 20 |
| VI | MM6CRT01 | Real Analysis | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | ST6CRT12 | Statistics - Statistical Computing Using R - Software | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | CT6CRT03 | Operating Systems | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | CS6CBT01 | Elective - Digital Image Processing | | | | | | | | |
| | CS6CBT02 | Elective - Data Mining | Core | 5 | 3 | 20 | 80 | 100 | 4 | |
| | CS6CBT03 | Elective - Soft Computing Techniques | | | | | | | | |
| | CT6PRP01 | Software Development Lab (Main Project) | Core | 5 | - | 20 | 80 | 100 | 3 | |
| | CT6VVP01 | Viva Voce | Core | | | | 100 | 100 | 2 | 21 |
| | | | | TOTAL | | | | | | 120 |

| IV. Course : BSc I T | | | | | | | | | | |
|----------------------|-------------|--|-----------------|----------------|------------|-------|------|-------|---------|---------------|
| Sem | Course Code | Course Title | Course Category | Hours per week | Exam (Hrs) | Marks | | | Credits | Total Credits |
| | | | | | | Intl | Extl | Total | | |
| I | EN1CCT01 | English - fine tune your english | Common | 5 | 3 | 20 | 80 | 100 | 4 | 21 |
| | MM1CMT06 | Mathematics - Matrices, Determinants, Differential Calculus, Partial Differential Equations and Laplace Transforms | Complimentary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | EL1CMT05 | Electronics - Computer Fundamentals and Basics of PC Hardware | Complimentary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | IT1CRT01 | Digital Electronics | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS1CRT02 | Methodology of Programming and C Language | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | IT1CRP01 | Software Lab I | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| II | EN2CCT03 | English-Issues That Matter | Common | 5 | 3 | 20 | 80 | 100 | 4 | 21 |
| | MM2CMT06 | Mathematics - Probability and Statistics | Complimentary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | IT2CRT02 | Operating Systems | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS2CRT05 | Computer Organization and Architecture | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS2CRT06 | Object Oriented Programming using C++ | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | IT2CRP02 | Software Lab - II | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| III | IT3CRT03 | Software Engineering | Core | 4 | 3 | 20 | 80 | 100 | 4 | 20 |
| | MM3CMT06 | Mathematics - Operations Research | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | |

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|-----------|-----------------|---|---------------|---|---|----|----|-----|---|-----------|
| | CS3CRT08 | Data Structure Using C++ | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | IT3CRT04 | Database Management Systems | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS3CRT07 | Computer Graphics | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | IT3CRP03 | Software lab-III | Core | 5 | 3 | 20 | 80 | 100 | 2 | |
| IV | CS4CRT09 | Design & Analysis of Algorithms | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | MM4CMT06 | Mathematics - Discrete Mathematics | Complementary | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS4CRT10 | Linux Administration | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | IT4CRT05 | Parallel Processing | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS4CRT11 | Web Programming Using PHP | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | IT4CRP04 | Software Lab - IV | Core | 5 | 3 | 20 | 80 | 100 | 2 | |
| V | CS5CRT12 | Computer Networks | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS5CRT14 | Java Programming using Linux | Core | 3 | 3 | 20 | 80 | 100 | 3 | |
| | CS5CRT13 | IT and Environment | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | CS5OPT01 | Open Course - Informatics and Cyber Ethics | Core | 4 | 3 | 20 | 80 | 100 | 3 | |
| | CS5OPT02 | Open Course - Computer Fundamentals, Internet & MS Office | | | | | | | | |
| | IT5CRP05 | Software Lab - V | Core | 4 | 3 | 20 | 80 | 100 | 2 | |
| | IT5PRP01 | Software Development Lab I (Mini project in PHP) | Core | 6 | 3 | 20 | 80 | 100 | 3 | |
| VI | CS6CRT15 | Mobile Application Development-Android | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| | IT6CRT06 | System Software | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
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| | | | | | | | | | |
| CS6CBT01 | Elective - Digital Image Processing | Core | 4 | 3 | 20 | 80 | 100 | 4 | |
| CS6CBT02 | Elective - Data Mining | | | | | | | | |
| CS6CBT03 | Elective - Soft Computing Techniques | | | | | | | | |
| IT6SMP01 | Software Lab - VI & Seminar | Core | 6 | | 100 | | 100 | 2 | |
| IT6PRP02 | Software Development Lab II (Main Project) | Core | 7 | | 20 | 80 | 100 | 3 | |
| IT6VVP01 | Course Viva | Core | | | | 100 | 100 | 1 | |
| | | | | | | | | | TOTAL |
| | | | | | | | | | 120 |

6) B.Com model II Computer Applications, B.Sc. Petrochemicals, B.A. Economics model II, B.Sc. Physics - Vocational model II, B.Sc. Mathematics - Vocational model II, B.Sc. Statistics model I, Mathematics model I എന്നിവയുടെ കമ്പ്യൂട്ടർ കോംപ്ലിമെന്ററി കോഴ്സുകളുടെ പ്രാക്റ്റിക്കൽ പരീക്ഷാ നടത്തിപ്പിനും, ചോദ്യ പേപ്പർ, Scheme of Evaluation എന്നിവ തയ്യാറാക്കുന്നതിനും പ്രത്യേക Board of Examiners രൂപീകരിക്കുക. പ്രസ്തുത ബോർഡ് കമ്പ്യൂട്ടർ ആപ്ലിക്കേഷൻസ് അധ്യാപകരിൽ നിന്നും രൂപീകരിക്കുവാനും ശുപാർശ ചെയ്യുന്നു.

മേൽ ശുപാർശകൾ വൈസ് ചാൻസിലറുടെ ചുമതലയുള്ള പ്രൊഫസർ മഹാത്മാ ഗാന്ധി സർവ്വകലാശാല നിയമം 1985 അധ്യായം (3) വകുപ്പ് 10 (17) പ്രകാരം അംഗീകരിച്ച് ഉത്തരവായിരിക്കുന്നു.

തദനുസരണം ഉത്തരവ് പുറപ്പെടുവിക്കുന്നു.

ഒപ്പ്
ദിലീപ് കുമാർ. ആർ

അസിസ്റ്റന്റ് രജിസ്ട്രാർ (അക്കാദമിക് III)
രജിസ്ട്രാർക്കു വേണ്ടി

പകർപ്പ്

1. വി.സി/പി.വി.സി എന്നിവരുടെ പി.എസ്-മാർ
2. രജിസ്ട്രാർ/സി.ഇ എന്നിവരുടെ പി.എ മാർ
3. ചെയർമാൻ, BOS, Computer Science (UG)
4. JR II(Admin)/DR II (Acad)/AR III (Acad)
5. Ac.AIX, EB Sections, CBCSS Sections,
6. Ad.A VII/ Ad.B VII/CSS /Acc I/Acc II Sections
7. റെക്കോർഡ് സെക്ഷൻ/ ക-ന്റ് മാനേജ്മെന്റ്
8. എസ്.എഫ്/എഫ്.സി

ഉത്തരവിൻ പ്രകാരം

സെക്ഷൻ ഓഫീസർ