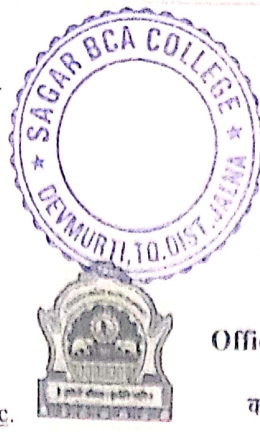


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डॉ. बाबासाहेब आंबेडकर
मराठवाडा विद्यापीठ
औरंगाबाद-४३१००४, महाराष्ट्र (भारत)
नॅक समितीतर्फे अ दर्जा प्राप्त

Office : Director, Board of Examination
& Evaluation
कार्यालय : संचालक, परीक्षा व मुल्यापन मंडळ

संदर्भ क्र. परीक्षा/समन्वय/२०२३/ ३७५५

दिनांक २८.०३.२०२३

Compulsory Computer Science for First Year

प्रति,
प्राचार्य/संचालक,
सर्व संलग्नित महाविद्यालये/परिसंस्था,
डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ,
औरंगाबाद.

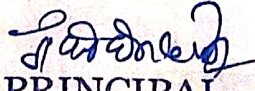


विषय: संगणकशास्त्र (अनिवार्य) ची परीक्षा दिनांक ०२.०४.२०२३ रोजी घेणेबाबत. (सत्र-मार्च/एप्रिल, २०२३)

महोदय/महोदया,

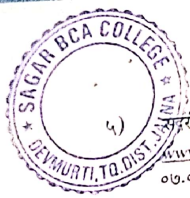
उपरोक्त संदर्भांकित विषयास अनुसरून आपणांस कळविण्यात येते की, विद्यापीठाच्या विद्यापरिषद व परीक्षा मंडळाच्या निर्णयानुसार **Compulsory Computer Course** (अनिवार्य) च्या विषयाची परीक्षा विद्यापीठातर्फे पदवीच्या प्रथम वर्षाच्या द्वितीय सत्रासाठी घेण्याचे ठरलेले आहे. याबाबत आपणास परीक्षा आयोजनासंबंधी सविस्तर माहितीसाठी खालील प्रमाणे सूचना करण्यात येत आहे :-

- १) पदवी अभ्यासक्रमांच्या प्रथम वर्षासाठी **Compulsory Computer Course** (अनिवार्य) मार्च/एप्रिल २००९ या परीक्षेपासून हा विषय अनिवार्य करण्यात आला आहे. त्याच बरोबर काही अभ्यासक्रम त्यामधून वगळण्यात आलेले आहेत ते खालील अभ्यासक्रमविद्यार्थ्यांना वगळण्यात आलेले आहे.
 - क) ज्या विद्यार्थ्यांचे एच.एस.सी. अभ्यासक्रमाचे कॉम्प्युटर किंवा आय.टी. हे विषय ऐच्छिक असतील असे.
तसेच
 - ख) जे विद्यार्थी **MS-CIT**, सर्टिफिकेट कोर्स इन कॉम्प्युटर, आय.टी. किंवा डिप्लोमा इन कॉम्प्युटर सायन्स परीक्षेचे / प्रमाणपत्र धारक असतील असे.
तसेच
 - ग) ज्या विद्यार्थ्यांना पदवी अभ्यासक्रमामध्ये "कॉम्प्युटर सायन्स" किंवा "आय.टी." हे ऐच्छिक विषय असतील असे.
तसेच
 - घ) बी.एससी. बायोटेक पदवी अभ्यासक्रमामध्ये हा विषय घेतलेला असेल असे.
- २) या विषयाचा लेखी पेपर हा ५० गुणांचा असून विद्यापीठाच्या वतीने प्रश्नपत्रिका पुरवठा केल्या जातील व या विषयाची लेखी परीक्षा विद्यापीठातर्फे घेण्यात येईल.
- ३) संगणकशास्त्र या विषयाची परीक्षा रविवार दिनांक ०२.०४.२०२३ रोजी सकाळी ९.०० ते १०.३० वाजेपर्यंत विद्यार्थी शिक्षण घेत असलेल्या महाविद्यालयातच (Home Centre) प्राचार्यांच्या नियंत्रण व मार्गदर्शनाखाली घेण्यात येणार आहे.
- ४) सदर परीक्षेसाठी Multiple Choice Question Paper Cum- Answer Sheet च्या आवश्यक प्रती सर्व संबंधित महाविद्यालयांना विद्यापीठामार्फत पुरविण्यात येतील.


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कृ.मा.पहा





- सदरील पेपरच्या प्रश्नपत्रिकेची (Multiple Choice Question Paper) उत्तरे (Answer Key) विद्यार्थ्यांनी www.bamu.ac.in/ किंवा banua.digitaluniversity.ac/compulsory/computer/course या वेबसाईटवर उपलब्ध असलेली. ०७.०४.२०२३ रोजी उपलब्ध करण्यात येईल व ती पुढील आठ दिवसांकरिता वेबसाईटवर उपलब्ध असेल.
- ६) संगणकशास्त्र विषयाचा अभ्यासक्रम १०० गुणांचा असून परीक्षेमध्ये उत्तीर्ण होण्यासाठी लेखी व अंतर्गत परीक्षांच्या गुणांची बेरीज एकूण गुणांच्या कमीतकमी ५०% असणे आवश्यक आहे. परिपत्रक क्र. ACAD/NP/COMP.SCI./ENV./2008/6587-6786 दिनांक 20.06.2008 चे अवलोकन करावे.
 - ७) संबंधित महाविद्यालयामध्ये उत्तरपत्रिका तपासून झाल्यानंतर अंतर्गत आणि सदर लेखी परीक्षेचे गुण व त्यांची एकूण गुणांच्या यादीमध्ये दर्शविण्यात यावी.
 - ८) उत्तीर्ण झालेल्या विद्यार्थ्यांच्या संख्येइतक्या प्रमाणपत्राच्या प्रती विद्यापीठाच्या परीक्षा विभागातील भांडार कक्षाकडून प्रत्यक्ष करून घ्याव्यात. महाविद्यालयांनी सदर प्रमाणपत्रांमध्ये संबंधित विद्यार्थ्यांचे नांव, एकूण प्राप्त गुण इत्यादी बाबींची नोंद करून घ्याव्यात. महाविद्यालयांनी सदर प्रमाणपत्रांमध्ये संबंधित विद्यार्थ्यांचे नांव, एकूण प्राप्त गुण इत्यादी बाबींची नोंद करून घ्याव्यात. त्यावर प्राचायांच्या स्वाक्षरी (स्वाक्षरीचा शिक्का नव्हे) व महाविद्यालयाच्या शिक्क्यासह अशी प्रमाणपत्रे विद्या विभागातील संबंधित कक्षामध्ये जमा कराव्यात. त्यानंतर परीक्षा नियंत्रकांच्या सही शिक्क्यासह सदरील प्रमाणपत्रे विद्या वाटप करण्यासाठी संबंधित महाविद्यालयांना परत करण्यात येतील.
 - ९) महाविद्यालयास पुरविण्यात आलेल्या प्रश्नपत्रिका-उत्तरपत्रिका तसेच Field Note Books / Practical Books etc. आदेशापर्यंत महाविद्यालयांमध्ये सुस्थितीत ठेवाव्यात. यथावकाश त्या विद्यापीठातर्फे जमा करण्यात येतील.
 - १०) सदर परीक्षेची प्रमाणपत्रे संबंधित महाविद्यालयांनी विद्यार्थ्यांना वितरीत करावयाची असून आवश्यक तितकी प्रमाणपत्रे विद्यापीठातर्फे पुरविण्यात येतील. सदर प्रमाणपत्रे ही प्राचायांच्या सही व महाविद्यालयाच्या शिक्क्यासह संबंधित महाविद्यालयांना वितरीत करावयाची आहेत.
 - ११) विद्यार्थ्यांनी सदरील प्रमाणपत्राची साक्षांकित प्रत तृतीय वर्षांच्या अंतिम वर्षांच्या परीक्षेसाठी दाखल करावयाच्या आवेदनपत्रासोबत सादर करावयाची असून विद्यार्थ्यांच्या अंतिम वर्ष परीक्षेचा निकाल त्याखेरीज घोषित करण्यात येणार नाही.
 - १२) सदरील परीक्षा ही ज्या त्या महाविद्यालयात (Home Center) होणार असल्यामुळे सर्व संबंधित महाविद्यालयांनी QPD माहिती भरावी त्या शिवाय प्रश्न पत्रिका डाऊनलोड करता येणार नाही व विद्यार्थी परीक्षेपासून वंचित राहू शकतात म्हणून QPDS ची माहिती सर्व संबंधित महाविद्यालयांनी भरून घ्यावी.
- कृपया सदर परिपत्रक सर्व विद्यार्थी व संबंधित शिक्षक व प्रशासक कर्मचाऱ्यांच्या निदर्शनास आणावे व वरील नि अंमलबजावणी काटेकोरपणे करून विद्यापीठास सहकार्य करावे, ही विनंती.



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संचालक
परीक्षा व मूल्यमापन मंडळ

याची एक प्रत उपकुलसचिव, गोपनीय कक्ष यांचे सह सर्व विभागप्रमुख व कक्ष प्रमुख, परीक्षा विभाग डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद यांना माहिती व योग्य त्या कार्यवाहीस्तव.

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कार्यालय : संचालक, परीक्षा व मूल्यमापन मंडळ

संदर्भ क्र.: परीक्षा/२०२३/३७४७

दिनांक : ३१.०३.२०२३

परिपत्रक

प्रति,

प्राचार्य/संचालक

सर्व संलग्नित महाविद्यालय/परिसंस्था,
डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ,
औरंगाबाद.

विषय: भारतीय राज्यघटना (Constitution of India) या विषयाच्या परीक्षेबाबत.

संदर्भ: शैक्षणिक विभागाचे पत्र क्र. SU/Con./I Yr/Cur/2022/7416-25 दिनांक २८.०१.२०२०.

महोदय/महोदया,

उपरोक्त विषयी संदर्भित पत्राच्या अनुषंगाने आपणास कळविण्यात येते की, संदर्भित पत्रान्वये शैक्षणिक वर्ष २०२०-२१ पासून पदवी

अभ्यासक्रमाच्या प्रथम वर्षासाठी Constitution of India हा विषय अनिवार्य करण्यात आला आहे. त्यानुसार प्रस्तुत विद्यापीठाच्या

मार्च/एप्रिल २०२३ च्या सुरु असलेल्या पदवी अभ्यासक्रमाच्या प्रथम वर्षासाठी भारतीय राज्यघटना (Constitution of India)

या विषयाची परीक्षा दि. ०२.०४.२०२३ रोजी दुपारी ३.०० ते ४.३० वा वेळेत घेण्यात येणार आहे.

सदरील परीक्षा ही ज्या त्या महाविद्यालयात (Home Center) होणार असल्यामुळे सर्व संबंधित महाविद्यालयांनी QPDS ची माहिती भरावी त्या शिवाय प्रश्न पत्रिका डाऊनलोड करता येणार नाही व विद्यार्थी परीक्षेपासून वंचित राहू शकतात म्हणून कृपया QPDS ची माहिती सर्व संबंधित महाविद्यालयांनी भरून घ्यावी. तसेच सदर परीक्षेसाठी आवश्यक असणाऱ्या उत्तरपत्रिका ह्या आपल्या महाविद्यालयाच्या जवळ विद्यापीठाच्या परीक्षेसाठी जे परीक्षा केंद्र सुरू आहे, त्या महाविद्यालयातून प्राप्त करून घ्याव्याच्या आहेत. संबंधित जवळच्या परीक्षा केंद्रावर उत्तरपत्रिका उपलब्ध नसल्यास तसे या विभागास दुरुवनी क्र.०२४०-२४०३१९६ व मोबाईल क्र. ७९७२२१७९५४ वा क्रमांकवार श्री. पंडीत साळुंके यांचेशी त्वरीत संपर्क साधावा व उत्तरपत्रिका प्राप्त करून घ्याव्यात.

सदर परीक्षा संपल्यानंतर सर्व उत्तरपत्रिका जमा करून त्या आपल्या महाविद्यालयातील राज्यशास्त्र व लोकप्रशासन या विषयाच्या अध्यापकाकडून तपासून घ्याव्यात व त्यांच्या प्राप्त गुणांची यादी (बैठक क्रमांक प्राप्त गुण) या कार्यालयास १० दिवसात सादर करावी. संबंधित विषयाची उत्तरपत्रिका Answer Key सदर विषयाची परीक्षा संपल्यानंतर त्याच किंवा दुसऱ्या दिवशी विद्यापीठामार्फत online पध्तीने आपणांस विद्यापीठाच्या <https://banua.digitaluniversity.ac> वर उपलब्ध करून देण्यात येईल.

तरी सर्व संबंधितांनी याची नोंद घेवून सदर परीक्षेसाठी आपल्या महाविद्यालयातील प्रवेशित विद्यार्थ्यांच्या संख्येनुसार आवश्यक असणाऱ्या आसन/बैठक व्यवस्था तयार ठेवावी व सदरबाब सर्व विद्यार्थी, अध्यापक व पालक यांचे निदर्शनास आणून द्यावी तसेच सदर परीक्षेपासून एकही विद्यार्थी वंचित राहणार नाही, याही कृपया नोंद घ्यावी.



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<http://bamua.digitaluniversity.ac>
E-Mail : coe@bamu.ac.in



Office : Director, Board of Examination
& Evaluation
कार्यालय : संचालक, परीक्षा व मूल्यापन मंडळ

डॉ. बाबासाहेब आंबेडकर
मराठवाडा विद्यापीठ
औरंगाबाद-४३१००४, महाराष्ट्र (भारत)
नॅक समितीतर्फे अ दर्जा प्राप्त

दर्शक क्र. परीक्षा/समन्वय/२०२३/ ३७४३

दिनांक २८.०३.२०२३

Compulsory Six Month Course in Environmental Studies

ति,
प्राचार्य/संचालक,
सर्व संलग्नित महाविद्यालये/परिसंस्था,
डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ,
औरंगाबाद.



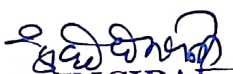
विषय : पर्यावरण (अनिवार्य) ची परीक्षा दिनांक ०२.०४.२०२३ रोजी घेणेबाबत. (सत्र-मार्च/एप्रिल, २०२३)

होदय/महोदया,

उपरोक्त संदर्भाकित विषयास अनुसरून आपणांस कळविण्यात येते की, विद्यापीठाच्या विद्यापरिषद व परीक्षा मंडळाच्या निर्णयानुसार Compulsory Six Months Course in Environmental Studies या विषयाची परीक्षा विद्यापीठातर्फे पदवीच्या तृतीय वर्ष (चौथे सत्र) घेण्याचे ठरलेले आहे. याबाबत आपणास परीक्षा आयोजनासंबंधी खालील प्रमाणे सूचना करण्यात येत आहे :-

- द्वितीय वर्षाच्या "Environmental Studies" हा अभ्यासक्रम मार्च/एप्रिल २०२० च्या परीक्षेपासून सर्व पदवी स्तरावरील वर्गासाठी अनिवार्य करण्यात आलेला असून काही अभ्यासक्रम/विद्यार्थी यांना वगळण्यात आलेले आहेत. खालील प्रमाणे आहेत.
- क) जे विद्यार्थी बी.एफ.ए. किंवा बी.एड. अभ्यासक्रमास प्रवेशित असतील असे.
तसेच
- ख) ज्या विद्यार्थ्यांना पदवी अभ्यासक्रमामध्ये "Environmental Science" हा ऐच्छिक विषय घेतलेला असेल.
तसेच
- ग) बी.एस्सी. बायोटेक पदवी अभ्यासक्रमामध्ये हा विषय घेतलेला असेल असे.
- या विषयाची लेखी परीक्षा ७५ गुणांची असून सदरची लेखी परीक्षा विद्यापीठातर्फे घेण्यात येईल.
- Environment Studies या विषयाची परीक्षा रविवार दिनांक ०२.०४.२०२३ रोजी दुपारी १२.०० ते २.०० वाजे पर्यंत विद्यार्थी शिक्षण घेत असलेल्या महाविद्यालयातच (Home Centre) प्राचार्यांच्या नियंत्रण व मार्गदर्शनाखाली घेण्यात येणार आहे.
- सदर परीक्षेसाठी Multiple Choice Question Paper Cum- Answer Sheet च्या आवश्यक प्रती सर्व संबंधित महाविद्यालयांना विद्यापीठामार्फत पुरविण्यात येतील.
- सदरील पेपरच्या प्रश्नपत्रिकेची (Multiple Choice Question Paper) उत्तरे (Answer Key) विद्यापीठाच्या www.bamu.ac.in/ किंवा bamua.digitaluniversity.ac/compulsory / Environment Studies या वेबसाईटवर दिनांक ०७.०४.२०२३ रोजी उपलब्ध करण्यात येईल व ती पुढील आठ दिवसाकरिता वेबसाईटवर उपलब्ध असेल.

कृ.मा.पहा

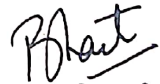

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- ६) पर्यावरणशास्त्र परीक्षा उत्तीर्ण होणेसाठी ३५% गुण आवश्यक आहे. (लेखी परीक्षेसाठी २६ गुण आणि फोल्ड पेपरसाठी ०९ गुण अनिवार्य आहेत) अंतर्गत व लेखी परीक्षांच्या संपादित गुणाबाबत व इतर माहितीबाबत विद्यापीठाच्या शैक्षणिक विभागाचे परिपत्रक क्र ACAD/NP/COMP.SCI./ENV.SCI./2008/6587-6786 दिनांक २०.०६.२००८ चे अवलोकन करावे.
- ७) संबंधित महाविद्यालयामध्ये उत्तरपत्रिका तपासून झाल्यानंतर अंतर्गत आणि सदर लेखी परीक्षेचे गुण व त्यांची एकूण बेरीज गुणांच्या यादीमध्ये दर्शविण्यात यावी.
- ८) उत्तीर्ण झालेल्या विद्यार्थ्यांच्या संख्येइतक्या प्रमाणपत्राच्या प्रती विद्यापीठाच्या परीक्षा विभागातील भांडार कक्षाकडून प्रत्यक्ष प्राप्त करून घ्याव्यात. महाविद्यालयांनी सदर प्रमाणपत्रामध्ये संबंधित विद्यार्थ्यांचे नांव, एकूण प्राप्त गुण इत्यादी बाबींची नोंद करावी व त्यावर प्राचार्यांच्या स्वाक्षरी (स्वाक्षरीचा शिक्का नक्के) व महाविद्यालयाच्या शिक्क्यासह अशी प्रमाणपत्रे व मुळ गुणयाद्या परीक्षा विभागातील संबंधित कक्षामध्ये जमा कराव्यात. त्यानंतर परीक्षा नियंत्रकांच्या सही शिक्क्यासह सदरील प्रमाणपत्रे विद्यार्थ्यांना वाटप करण्यासाठी संबंधित महाविद्यालयांना परत करण्यात येतील.
- ९) महाविद्यालयास पुरविण्यात आलेल्या प्रश्नपत्रिका-नि-उत्तरपत्रिका तसेच Field Note Books / Practical Books etc. पुढील आदेशापर्यंत महाविद्यालयामध्ये सुस्थितीत ठेवाव्यात. यथावकाश त्या विद्यापीठातर्फे जमा करण्यात येतील.
- १०) सदर परीक्षेची प्रमाणपत्रे संबंधित महाविद्यालयांनी विद्यार्थ्यांना वितरीत करावयाची असून आवश्यक तितकी कोरी प्रमाणपत्रे विद्यापीठातर्फे पुरविण्यात येतील. सदर प्रमाणपत्रे ही प्राचार्यांच्या सही व महाविद्यालयाच्या शिक्क्यासह संबंधित महाविद्यालयाने वितरीत करावयाची आहेत.
- ११) विद्यार्थ्यांनी सदरील प्रमाणपत्राची साक्षांकित प्रत तृतीय वर्षाच्या अंतिम वर्षाच्या परीक्षेसाठी दाखल करावयाच्या परीक्षा आवेदनपत्रासोबत सादर करावयाची असून विद्यार्थ्यांच्या अंतिम वर्ष परीक्षेचा निकाल त्याखेरीज घोषित करण्यात येणार नाही.
- १२) सदरील परीक्षा ही ज्या त्या महाविद्यालयात (Home Center) होणार असल्यामुळे सर्व संबंधित महाविद्यालयांनी QPDS ची माहिती भरावी त्या शिवाय प्रश्न पत्रिका डाऊनलोड करता येणार नाही व विद्यार्थी परीक्षेपासून वंचित राहू शकतात म्हणून कृपया QPDS ची माहिती सर्व संबंधित महाविद्यालयांनी भरून घ्यावी.

कृपया सदर परिपत्रक सर्व विद्यार्थी व संबंधित शिक्षक व प्रशासकिय कर्मचाऱ्यांच्या निदर्शनास आणावे व वरील निर्णयाची अंमलबजावणी काटेकोरपणे करून विद्यापीठास सहकार्य करावे, ही विनंती.




प्रा. डॉ. भारती गवळी
संचालक
परीक्षा व मूल्यमापन मंडळ

याची एक प्रत उपकुलसचिव, गोपनीय कक्ष यांचे सह सर्व विभागप्रमुख व कक्ष प्रमुख, परीक्षा विभाग डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद यांना माहिती व योग्य त्या कार्यवाहीस्तव.


PRINCIPAL
Sagar BCA College
Devmurti, Tq. Dist. Jalna

Circular file

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY



CIRCULAR NO.SU/BCA/CBC & GS/15/2018



In Supersession of the Circular No. Su/BCA/CBC & GS/12/2018 18062-312 dated 20-8-2018 along with the syllabi of first to third year. It is further informed to all concerned that, **As decided by the Academic Council held on 30-06/02-07-2018 the syllabi of BCA Ist Year, Semester Ist as circulated earlier vide No.su/2018/14151-551 dated 17-07-2018 is remained unchanged and uploaded on the University web site www.bamu.ac.in.**

This is effective from the Academic Year 2018-2019 and onwards

Kindly take a note of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.

REF.NO.SU/MGT/2018-19/ 18358 - 18608
Date:- 31-08-2018. *****

[Signature]
Deputy Registrar,
Syllabus Section.

Copy forwarded with compliments to :-

- 1] **The Principals, affiliated concerned Colleges, Dr. Babasaheb Ambedkar Marathwada University.**
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

Copy to :-

- 1] The Director, Board of Examinations & Evaluation,
- 2] **The Section Officer, [B.Com.Unit] Examination Branch,**
- 3] The Section officer, [Eligibility Unit],
- 4] **The Programmer [Computer Unit-1] Examinations,**
- 5] **The Programmer [Computer Unit-2] Examinations,**
- 6] The In-charge, [E-Suvidha Kendra],
- 7] The Public Relation Officer,
- 8] The Record Keeper,

[Signature]
PRINCIPAL

Sagar BCA College
Devmurti, Tq. Dist. Jalna



- 27 -

**D.R. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Curriculum of

BACHELOR OF COMPUTER APPLICATION

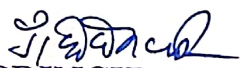
(BCA)

1ST YEAR

under Choice Based Credit & Grading System

SEMESTER FIRST

[Effective from the Academic Year 2018-19 & onwards]


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Sagar BCA College
Devmurti, Tq. Dist. Jalna



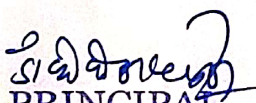
DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

FACULTY OF MANAGEMENT SCIENCE.

Syllabus - Bachelor of Computer Application (BCA)

Choice Based Credit System (CBCS) - 2018-19

Semester & Credits	Core Course [04]	Ability Enhancement Compulsory Courses [AEC] [01]	Discipline Specific Elective [DSE] [01]
1 Credit 24	1. Accountancy – I 2. Industrial Economics 3. Business Statistics 4. Operating System – I	1. Communication Skills	Elective Paper [Any One] 1. Office Automation Tools 2. Basic Web Technology - I
Total Credits 24	No. of Credits : 16	No. of Credits : 04	No. of Credits : 04


 PRINCIPAL
 Sagar BCA College
 Devmurti, Tq. Dist. Jalna



PAPER V –

COMMUNICATION SKILLS

Theory 80

Sessional 20

Credits 4

1. Meaning, Nature, Scope, Importance, Functions and Limitations of Communication.

2. Elements of Communications - Principles of Communication, Barriers to effective Communication.

3. Communication Skills:

a) Oral Communication:

Effective speaking - Principles of effective oral communication, speech preparation - guidelines for effective speech. listening skills - telephonic and group communication - Board and union Meetings - Interviews, their types, techniques and styles.

b) Written Communication:

Meaning and objective of written communication - Medias of written communication - Features of written communication - Preparation, analysis and interpretation of reports. Business letter writing - Application, references, Preparation of Tenders and Quotations - Drafting of sales circular letters.

4. Use of electric equipments in Business Communication - A hands on experiments on Telex, Fax, Pager, Cellular Phone, Computer and Internet.

Reference Books:-

1. Handbook Business Correspondence - Frailey
2. Technical & Professional Communication - Hickini.
3. Communication Dynamics Dr. Mrs. V.S. Mishra
4. Business Communication Richard Huseman.
5. Business Communication Bhende, Pradhan & Others.
6. Communication C. S. Rayndu
7. Business Communication Ray & Ray 8. Communication in I T Age Dhiraj Sharma


PRINCIPAL
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Devmurti, Tq. Dist. Jalna



PAPER VI-

E1: OFFICE AUTOMATION TOLLS

Theory- 80

Sessional 20

Credits 4

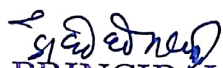
Familiarizing with different devices and facilities of computer system.

Study of MS-Word , Excel & Power Point:

1. Features and tools of MS-Office, Word, Excel, Power Point.
2. **Word:** Creating word documents, menu, office assistant working with files , editing text, saving, printing , undo, redo, spelling, formatting, ruler, selecting, cutting, copying, numbering, bullets, page, orientation, margins, tables in a document, formatting text in table, addition deletion of rows columns, record handling, sorting, label, & envelop, using forms, Recycle bin. Protection of documents, mail merge.
3. **Excel:** Excel Sheet creation, entering data, layout and formatting of sheet preview & print, working with range, rows, columns, total, sorting using formatting toolbars, format cells, cell content moving & coping grouped & ungrouped worksheet alignment of text, border colors, page setup, chart, types of chart merging sizing printing chart objects, formatting charts, formula palette , functions & uses - Analysing data with excel.
4. **Power Point:** Creating a presentation, modifying visual elements, adding objects, applying transition, animation and linking, preparing layouts, presenting a slide show.

Reference Books:-

1. Courter Marquis - Office - 2000
2. Courter Marquis - Office - 97
3. Mansfield - MS- Office
4. Swell - MS- Office - 97
5. Syber Publication - Office- 2000 Complete Ulrich, L. - Sams Teach Your self 2000.


PRINCIPAL
Sagar BCA College
Devmurti, Tq. Dist. Jalna



CIRCULAR NO.SU/B.Sc./31/2022

It is hereby inform to all concerned that, the syllabi prepared by the Ad-hoc Board and recommended by the Dean, Faculty of Science & Technology, the Hon'ble Vice-Chancellor has accepted the **following revised syllabi of Bachelor of Science Degrees with Regulation under the scheme of Choice Based Credit & Grading System** in his emergency powers under section 12(7) of the Maharashtra Public Universities Act, 2016 on behalf of the Academic Council as appended herewith. Earlier published syllabus vide circular dtd. 19.09.2022 is stand cancelled.

Sr.No.	Courses	Semester
1.	B.Sc. Information Technology (Degree)	Ist semester
2.	B.Sc. Computer Science (Degree)	Ist semester
3.	B.C.A.(Science) (Degree)	Ist semester

This is effective from the Academic Year 2022-23 and onwards.

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.SU/2022/12 788-89
Date:- 19.10.2022.

*
*
*
*

[Signature]
Deputy Registrar
Academic (Syllabus)

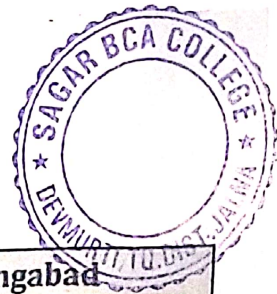
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Dr. Babasaheb Ambedkar Marathwada University,
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

Copy to :-

- 1] **The Director, Board of Examinations & Evaluation, Dr.BAMU,A'bad.**
- 2] **The Section Officer,[B.Sc.Unit] Examination Branch,Dr.BAMU,A'bad.**
- 3] **The Programmer [Computer Unit-1] Examinations, Dr.BAMU,A'bad.**
- 4] **The Programmer [Computer Unit-2] Examinations, Dr.BAMU,A'bad.**
- 5] **The In-charge,[E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr.BAMU,A'bad.**
- 6] **The Public Relation Officer, Dr.BAMU,A'bad.**
- 7] **The Record Keeper, Dr.BAMU,A'bad.**

[Signature]
PRINCIPAL
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Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Choice Based Credit System (CBCS) Curriculum

For

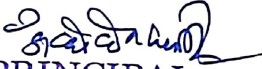
Faculty of Science and Technology

Course Structure (First Year)

B. Sc. (Computer Science) Science Three Year Undergraduate Degree Program

First Year					
Course Type	Semester - I		Course Type	Semester - II	
	Name of Paper	Credit		Name of Paper	Credit
Core Course I DSC-1A 5.5	Computer Fundamentals	2	Core Course IV DSC-1B 5.5	Data Structure	2
	Digital Electronics	2		8086 Microprocessor	2
	Lab Course	1.5		Lab Course	1.5
Core Course II DSC-2A 5.5	Operating System-I	2	Core Course V DSC-2B 5.5	Operating System-II	2
	Programming in C	2		Advanced Programming in C	2
	Lab Course	1.5		Lab Course	1.5
Core Course III DSC-3A 5.5	Mathematical Foundation M-I	2	Core Course VI DSC-3B 5.5	Numerical Methods-M-2	2
	Programming Methodology	2		Database Management System	2
	Lab Course	1.5		Lab Course	1.5
Ability Enhancement Compulsory Courses (AECC), 01 Course, 3 credit each	English Communication Skills (Linguistic Approach)	3	Ability Enhancement Compulsory Courses (AECC), 01 Course, 3 credit each	English Communication Skills (Soft Skill Development)	3
	Marathi/Hindi/Urdu/Arabic	3		Marathi/Hindi/Urdu/Arabic	3
Non-Credit Course	-----	----	Non-Credit Course	Constitution of India	--
Total Credit	22.5			22.5	

B. Sc. Comp. Sci.


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Devmurti, Tq. Dist. Jalna

Page 4 of 25

Prate



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Course code : CS-131 T
(linguistic approach)

Course Title : English Communication Skill



Total Credit: 3

Marks: 50 (UA: 40 + IA: 10)

Periods: 5 per week (50 Minutes each)

Prerequisites:

There are no prerequisites for attending this course.

Learning Objectives

- Learn fundamentals of Parts of Speech.
- Detailed study of Spellings, Silent letters and Articles.
- Learn Auxiliary verbs, Subject and Object and how to make Questions and Question tags.
- Addressing the Greetings and giving directions.
- To enhance the vocabulary-building, word formation, Synonyms & Antonyms, One-word substitutes and Phrasal verbs.
- To improve listening, oral and reading skills

Learning Outcomes

Upon successful completion of the course, the students will be able to:

- Understand the different styles of communication.
- Understand the effective speaking skills and develops effective reading comprehensions.
- Understand how to write a good personal profile and improve one's presentation skills.
- Develop good writing skills.

Course Outline

Unit I: Basics of Communication Skill:

Communication Skills: Introduction, Definition, Nature and Scope of Communication, an Importance and Purpose of Communication, 'C's of good communication, Process of Communication. **Barriers to communication:** Physiological Barriers, Physical Barriers, Cultural Barriers, Language Barriers, Gender Barriers, Interpersonal Barriers, Psychological Barriers, Emotional barriers. **Communication Network in Organization:** Personal Communication, Internal Operational Communication, External Operational Communication, Horizontal (Lateral) Communication, Vertical (Downward) Communication, Vertical (Upward) Communication.

English Grammar:

Parts of Speech: Nouns, Pronouns, Verbs, Adverbs, Adjectives, Conjunctives, Prepositions, Interjections. Using the **Dictionary:** Primary Auxiliaries, Modal Auxiliaries, Subject and Object (Direct/Indirect), Yes or No Questions, Wh-word Questions, Question Tags. **Grammar:** Type of Verbs, Subject- Verb Agreement, Tense (present and past) and Aspect, several possibilities for denoting future Time, vocabulary building, constructing paragraphs

B. Sc. Comp. Sci.

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Unit II: Elements of Communication & Listening Skills:

Elements of Communication: Introduction, Face to Face Communication – Tone of voice, Body Language (Non-Verbal Communication), Verbal Communication, Physical Communication. **Listening Skills-I:** Introduction, Listening to Conversation (Formal and Informal), Active Listening, Benefits of Listening Skill, Barriers to Listening, Listening to Announcements (Railway stations/Bus stations/ Airports/ Sports Announcements/ Commentaries etc.) **Listening Skills-II:** Academic Listening (Listening to Lectures), Listening to Talks and Presentations, Note Taking Tips.

UNIT – III Oral Communication Skills:

Importance of Spoken English, Status of Spoken English in India, International Phonetic Alphabet (IPA) Symbols, Spelling and Pronunciation, Requesting and responding to requests, Congratulating people on their success, Expressing condolences, Apologizing and forgiving, Giving instructions, Seeking and giving permission, Expressing Opinions (likes and dislikes), Demanding Explanations, Asking for and giving advice and suggestions. **Reading Skills:** Purpose, Process, Methodologies, Skimming and Scanning, Levels of Reading, Reading Comprehension.

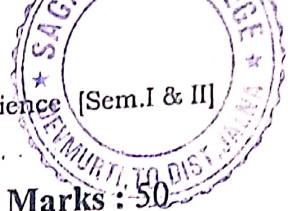
Unit IV: Effective Writing Skills:

Elements of Effective Writing, Sentences, Phrases and Clauses, Types of Sentences. Main Forms of Written Communication, Paragraph Writing (Linkage and Cohesion), Letter Writing (Formal and Informal), Essay Writing, Notices, Summarizing, Precise Writing, Note-Making, Amount of Discussion Required Understanding and Applying Vocabulary: Words Often Confused-Pairs of words, One Word Substitutes, Synonyms and Antonyms, Word Formation: Prefixes, Bases and Suffixes (Derivational & Inflectional).

UNIT – V Test and Tutorial

Reference Books:

1. Basic communication skills for Technology, Andreja. J. Ruther Ford, 2nd Edition, Pearson Education, 2011
2. Communication skills, Sanjay Kumar, Pushpalata, 1st Edition, Oxford Press, 2011
3. Organizational Behaviour, Stephen.P. Robbins, 1st Edition, Pearson, 2013
4. Brilliant- Communication skills, Gill Hasson, 1st Edition, Pearson Life, 2011
5. Business Communication, By Urmila Rai & S.M. Rai. Himalaya Pub
6. Business Communication Anjali Ghanekar
7. Anderson, Kenneth. Joan Maclean and Tony Lynch. Study Speaking: A Course in Spoken English for Academic Purposes. Cambridge: CUP, 2004.



Course : B.Sc.(C.S.) II Seme.

Paper Title: **Communication Skill-II**

Max. Marks : 50

Paper No. : CS205-T

UNIT - I

1. Communication with Media

- Written media of Communication: Letters, Notices, Minutes, Manual, Leaflet, Complaints & Suggestion, Job Application.
- Visual Media of communication: slide presentation, Pictures & Photographs, Posters & Advertisement.
- Non-Verbal Media of Communication

2. Written Communication: Reports

- Types of Report, characteristics of Good Report , Essential Requisites of Good Report-Writing, Planning the Report, Outlining Issues for Analysis, Writing the Reports.

UNIT - II

3. Group Communication

- Problem of Group Communication- Meeting - types of meeting, Advantages & Disadvantages of Meeting, - Preparation for Meeting – conduct of a Meeting – Responsibility of participants.

4. Interview

- Purpose, Types of interviews – promotion, appraisal, exit, telephone.
- Employment or selection Interview : Candidate's preparation, Question commonly asked in interview, role of interviewer, Interviewer's preparation.

UNIT - III

5. Listening Comprehension

- Cassettes: "Tiger's Eye" Series.(vol. 1 & 2) , "Twist in the Tail"
- The Listening drill is to be given and question should be framed.

6. Reading Comprehension and Vocabulary

- Reading with proper pronunciation and ideal reading is to be recorded.

7. Speaking:

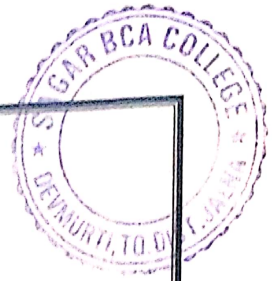
- CIEFL' Spoken English exercises part one and two.
- Drilling : Proper Pronunciation of word and sentences

Core Books

1. Business Communication, By urmila Rai & S.M.Rai. Himalaya Pub.(Tenth Ed.)
2. Communication Skill for Effective Management By Dr.Anjali Ghanekar. Everest Pub. House.

Note : 1. Teacher should demonstrate various format of concerned contents.
2. For Report writing practice demonstrate IEEE paper Format.(http://www.ieee.org/portal/cms_docs/pubs/confpubcenter/pdfs/samplems.pdf ,

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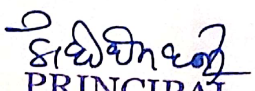
**Curriculum under Choice Based Credit &
Grading System**

M.A. I & II Year

Library and Information Science

Semester-I to IV

**run at college level from the
Academic Year 2015-16 & onwards**


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[II] Course Schedule:

First Semester

Course Code	Course Name	Core/ Electives	Credit	Marks
LISc101T	Foundations of Information Science	Core	4	100
LISc101P	Practical based on LISc101T	Core	2	50
LISc102T	Knowledge Organization	Core	4	100
LISc102P	Practical based on LISc102T	Core	4	100
LISc103T	Information Sources & Services	Core	4	100
LISc103P	a) Information Sources	Core	4	100
	b) Compilation of Documentation list	Core	2	50
LISc104T	Electives/ Cafeteria	Core	2	50
	104A1T: Information Search Strategies	Electives	4	100
	104A2T: Information Literacy			
	104A3T: Use of Non-Book Material			
LISc104P	Practical based on LISc104T	Electives	2	50

Second Semester

Course Code	Course Name	Core/ Electives	Credit	Marks
LISc201T	Management of Libraries & Information Centres/ Institutions	Core	4	100
LISc201P	Practical based on LISc201T	Core	2	50
LISc202T	Information Processing	Core	4	100
LISc202P	Practical based on LISc202T	Core	4	100
LISc203T	Information Technology- Basics	Core	4	100
LISc203P	Practical based on LISc203T	Core	4	100
LISc204T	Electives/ Cafeteria	Core	4	100
	204A1T: Electronic Information Sources	Electives	4	100
	204A2T: Technical Writing			
	204A3T: Electronic Publishing			
LISc204P	Practical based on LISc204T	Electives	2	50

Third Semester

Course Code	Course Name	Core/ Electives	Credit	Marks
LISc301T	Research Methods & Statistical Techniques	Core	4	100
LISc302T	Information Technology- Applications	Core	4	100
LISc302P	Practical based on LISc302T	Core	4	100
LISc303T	Information Analysis, Repackaging & Consolidation	Core	4	100
LISc303P	Practical based on LISc303T	Core	2	50
LISc304T	Electives/ Cafeteria	Electives	4	100
	304A1T: Documentation			
	304A2T: Archives Management			
	304A3T: Information Reading Skills			
LISc304P	Practical based on LISc304T	Electives	2	50



Fourth Semester

Course Code	Course Name	Core/ Electives	Credit	Marks
LISc401T	Information Retrieval	Core	4	100
LISc401P	Practical based on LISc401T	Core	2	50
LISc402T	Project Work	Core	4	100
LISc402P	Seminar	Core	2	50
LISc403T	Core Electives	Core Elective	4	100
	403A1T: Marketing of Libraries & Information Centres			
	✓ 403A2T: Rural and Community Information Systems			
	✓ 403A3T: Health Information Systems			
LISc403P	Practical based on LISc403T	Core Elective	2	50
LISc404T	Electives/ Cafeteria	Electives	4	100
	404A1T: Web Page Design			
	✓ 404A2T: Intellectual Property Rights			
	404A3T: Thesaurus Construction			
LISc404P	Practical based on LISc404T	Electives	2	50

[III] Syllabus

First Semester

LISc101T Foundations of Information Science (Theory) (Credit 4)

No. of Lectures/ Unit

- 08 **Unit 1. Information and Communication**
- Information, Characteristics, Nature, Value and Use of Information
 - Conceptual difference between Data, Information and Knowledge
 - Communication of Information: Information generation
 - Trends in Scientific Communication
- 09 **Unit 2. Information Science**
- Definition, Scope and Objectives
 - Information Science as a discipline and its relationship with other subjects
- 12 **Unit 3. Library, Information and Society**
- Genesis, Characteristics and implications of Information Society
 - Changing role of Library and Information Centres in Society
 - Information Industry Generations, Providers & Intermediaries
 - Intellectual Property Act Right to Information Acts
 - Concept of Freedom, Censorship, Data Security and Fair Use



LISc403A2T

Rural and Community Information Systems (Theory) (Credit 4)

- No. of Lectures/ Unit
- 10 Unit 1. Community Information
Concept, Definition, Areas, Functions, Need, Architecture
- 10 Unit 2. Community Education
Information Literacy, Indian Initiatives—Gyan Vahini, Akshya, Gyandoot, Selu, e-Seva, Bhoomi, etc.
- 20 Unit 3. Information needs of Rural/ Urban community
- 20 Unit 4. Areas of Community Information Services
- Health
 - Education
 - Employment
 - Agriculture
 - Village Industries
 - Utilisation of Local Resources
 - Transport
 - Daily necessities
 - Sources of Finance
 - Redressal of grievances of villagers
 - Govt. Welfare Schemes
 - Consumer Services
 - Housing etc.
- 20 Unit 5. Role of IT in Providing Community Information

LISc403A2P

Rural and Community Information Systems (Practical) (Credit 2)

- 60 Unit 1. Designing Web enhanced Community Information System

Recommended Books:

1. Joan Begg, Margaret Mylrea, (1982) LOCOM community information system: guidelines for collecting, processing and retrieving information in a community information service. Part 1. Manual
2. HAROLD D. (2008) RISK MANAGEMENT AND INSURANCE: PERSPECTIVES IN A GLOBAL ECONOMY
3. Narayan Singh Rao (2002) Rural Economy and Society - Study of South-Eastern Rajasthan During the Eighteenth Century
4. M.Koteswara Rao (2000) Rural Employment - The Non-Farm Sector
5. G.B.Kashyap & J.P.Garg (Eds.) (2008) Rural India - Vision and Action (Vol.22) : Trade and Commerce
6. Labour Bureau, Ministry of Labour, Govt. of India (2005) Rural Labour Enquiry - Report on Consumption Expenditure of Rural Labour Households 1999-2000 (55th Round of NSS)
7. Buse. R.C. and James. D.L. , Rural Information Systems, Iowa State University Press, 1992



8. Rowley Thomas D. Rural Development Research : A foundation for Policy Greenwood Publishing Group, 1996

LISc403A3T

Health Information System (Theory)
(Credit 4)

No. of Lectures/ Unit

- 10 Unit 1. Concept, Definition
15 Unit 2. Planning of Information System
15 Unit 3. International and National Systems.
20 Unit 4. Database Design: Creation & Development
20 Unit 5. Evaluation of Information System

LISc403A3P

Health Information System (Theory)
(Credit 2)

- 60 Unit 1. Creation and Development of Database

Recommended Books:

1. Central Bureau of Health, Ministry of Health & Family Welfare, Govt. of India (2006) HEALTH Information of India 2005
2. Ajay Mahal, Bibek Debroy (2010) India Health Report 2010
3. Joseph Tan, (2005) E-Health Care Information Systems: An Introduction for Students and Professionals
4. Sue Bowman (Sue Prophet) RHIA, (2007) Health Information Management Compliance: Guidelines for Preventing Fraud and Abuse, 4th Edition

LISc404T Electives / Cafeteria

LISc404A1T Web Page Design (Theory)

(Credit 4)

No. of Lectures/ Unit

- 15 Unit 1. Internet concepts – Origin, Developments, Features of Internet, Network Protocols, Types of Websites.
15 Unit 2. Discovery phase: Goals, Project Plan, Technical Brief of the Website
15 Unit 3. Definition of Structure: Content outline & Screen view etc.
15 Unit 4. Prototype: Review of Technical Goals. Templates - HTML & Frontpage
20 Unit 5. Building and Hosting the Website

LISc404A1P

Web Page Design (Practical)

(Credit 2)

No. of Lectures/ Unit

- 40 Unit 1. Design & creation of Webpages
20 Unit 2. Hosting the Website



Recommended Books:

1. Louis Rosenfeld and Peter Morville (). Information Architecture for the World Wide Web.
2. Jennifer Niederst Robbins Web Design in a Nutshell U.K.
3. Ann Navarro (Feb 1998) *Effective Web Design*
4. William Tait & Stephen W. Sagman (1997) *Official Microsoft Image Composer Book: An Example Packed Guide to Designing and Enhancing Graphics Using Microsoft Image Composer 1.5*
5. Joe Farace (1998) *Plug-In Smart: How to Choose and Use Photoshop Plug-ins*
6. Daniel Donnelly (1998) *Cutting Edge Web Design: The Next Generation*
7. Talitha Harper & Sara Booth (Eds.) (1997) *Step-by-Step Electronic Design Techniques*

LISc404A2T Intellectual Property Rights (Theory) (Credit 4)

No. of Lectures/ Unit	
10	Unit 1. Definition, Nature & Scope
25	Unit 2. Patent Information
25	Unit 3. Right to Information
20	Unit 4. Copyright Act

LISc404A2P Intellectual Property Rights (Theory) (Credit 2)

No. of Lectures/ Unit	
20	Unit 1. Product Patent
20	Unit 2. Procedure Patent
20	Unit 3. Maintenance of records as per Right to Information Act

Recommended Books:

1. S V Satarkar () Intellectual Property Rights & Copyright.
2. Maskus, Keith E. (2000). Intellectual property rights in the global economy
3. Ganguli, Prabuddha (2001). Intellectual property rights : unleashing the knowledge economy Tata McGraw-Hill Publishing 2001 485
4. Halpern, Sheldon; Shipley, David E. B. & Abrams, Howard (1992). Copyright : cases and materials West Publishing, Minn.
5. Libecap, Gary D. (1993). Contracting for property rights Cambridge University Press.
6. Narayan, P.S. (2001). Intellectual property law in India Gogia Law Agency, Hyderabad.



4. Harold Henke (2001). Electronic Books and ePublishing: A Practical Guide for Authors.
5. Shmuel Vaknin (2002) E-books and e-publishing.
6. Val Skelton (2011) Trends in e-books and e-publishing.

Third Semester

LISc301T

Research Methods and Statistical Techniques (Theory) (Credit 2)

No. of Lectures/ Unit

05 Unit 1. Research

- Concept, Meaning, Need and Purpose of research
- Types of Research Fundamental and Applied including inter-disciplinary and multi-disciplinary approach
- Research and Development of Scholarship

15 Unit 2. Research Design

- Conceptualization and nationalization
- Types of Research Design
- Identification and formulation of problem
- Hypotheses, Nominal and Operational definition
- Designing Research Proposal
- Ethical aspects of Research
- Literature Search – Print, Non-print and electronic sources

10 Unit 3. Research Methods

- Scientific Method
- Historical Method
- Descriptive Method
- Survey Method and Case Study Method
- Experimental Method and Delphi Method

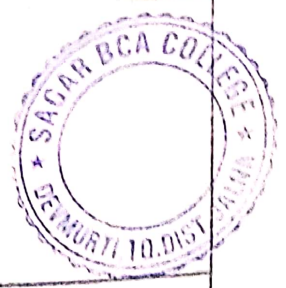
10 Unit 4. Research Techniques and Tools

- Questionnaire
- Schedule
- Interview
- Observation
- Proforma Method
- Scales and Check lists
- Library Records and Report Analysis
- Sampling techniques

15 Unit 5. Data Analysis and Interpretation

- Descriptive Statistics, Measures of Central Tendency – Mean, Mode and Median
- Tabulation and Generalization

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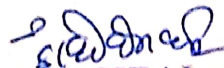
Curriculum of
BACHELOR OF COMPUTER APPLICATION
(BCA)

1ST YEAR

Under Choice Based Credit & Grading System

SEMESTER FIRST

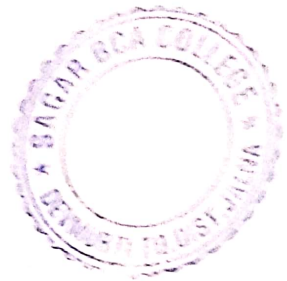
Effective from the Academic Year 2018-19 & onwards]


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DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

CIRCULAR NO.SU/BCA/CBC & GS/15/2018



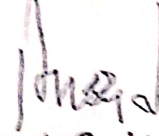
In Supersession of the Circular No. Su/BCA/CBC & GS/12/2018 dated 20-8-2018 along with the syllabi of first to third year. It is further informed to all concerned that, As decided by the Academic Council held on 30-06/02-07-2018 the syllabi of BCA Ist Year, Semester Ist as circulated earlier vide No.su/2018/14151-551 dated 07-07-2018 is remained unchanged and uploaded on the University website www.bamu.ac.in.

This is effective from the Academic Year 2018-2019 and onwards

Kindly take a note of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
No.SU/MGT/2018-19/ 18355
Date: 31-08-2018.

18608


Deputy Registrar,
Syllabus Section.

Copy forwarded with compliments to :-

The Principals, affiliated concerned Colleges,
Dr. Babasaheb Ambedkar Marathwada University.

The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.

Copy to :-

The Director, Board of Examinations & Evaluation,
The Section Officer, [B.Com.Unit] Examination Branch,
The Section officer, [Eligibility Unit],
The Programmer [Computer Unit-1] Examinations,
The Programmer [Computer Unit-2] Examinations,
The In-charge, [E-Suvidha Kendra],
The Public Relation Officer,
The Record Keeper,


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DR. BABASAHEB AMBEDKAR MARATHIWADA UNIVERSITY, AURANGABAD.

FACULTY OF COMMERCE & MANAGEMENT.

Syllabus - Bachelor of Computer Application (BCA)

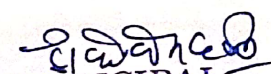
Choice Based Credit System (CBCS)

Core Course [04]	Ability Enhancement Compulsory Courses [AEC] [01]	Discipline Specific Elective [DSE] [01]
1. Element of Commercial Portal (HTML 5) 2. Android 9 3. Business Law - III 4. Project Field Survey	1. Software Testing	Elective Paper [Any One] 1. Services Marketing OR 2. Export Management
No. of Credits : 16	No. of Credits : 04	No. of Credits : 04


Dean (Professor Syed Azhar Ali)




Selvekl


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B.C.A. VIth Semester Syllabus (CBCS)
Paper No. XXXIV – Project Field Survey



Objectives:

- As per the syllabi of BCA, each student has to go for Research Project selecting a topic from his/her specialization area or Area of Interest.

Project Report – 100 Marks

Scope Of Project:

Project may be taken on any one of the following areas:
The project should be done in core specialization area of B.B.A course only.
Comprehensive case study (covering single organization/multifunctional area problem, formulation analysis and recommendations)
Inter-organizational study aimed at inter-organizational comparison/ validation of theory/survey of management services.
Evolution of any new conceptual / theoretical framework.
Field study (empirical study).

The project can be based on primary or secondary data or both as well.

Contents of Project Synopsis:

Synopsis must be submitted containing the following contents:

- Title of the project.
- Review of literature and Problem Statement.
- Objectives of the proposed study.
- Research Methodology (Sources of data, Sampling, Tools of analysis etc.)
- Scope/Relevance of Proposed Study.
- Proposed Questionnaire (if any).
- References.

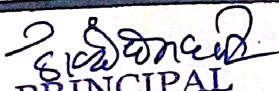
Project:

Contents of Project Report:

Introduction and Rationale of the topic chosen
Objectives of the study
Literature Review and problem formulation.
Research Methodology.
Analysis/discussion and interpretation of Data.
Conclusions/findings and recommendations/Suggestions.
References/Bibliography.
Appendix.

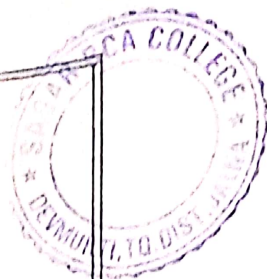
- Questionnaire, if any
- Interview schedule, if any
- List of the companies surveyed.
- Raw data, if the candidate wants to submit
- Graphs/Diagrams etc.
- Any other document relevant to the study

Report : Students are expected to prepare model Project Report 100 Marks


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Dr. Babasaheb Ambedkar Marathwada University
Aurangabad- 431004 (MS) India



Three Year Undergraduate Bachelor Degree Program
In Science and Technology

B. Sc. (Computer Science)

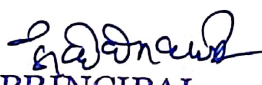
Curriculum Structure and Scheme of
Examination

Choice Based Credit System

(Effective from Academic Year 2022-23)

Dr. Babasaheb Ambedkar Marathwada University
Aurangabad – 431004 (MS) India

Comp. Sci.


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Page 1 of 25

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CIRCULAR NO.SU/B.Sc./31/2022

It is hereby inform to all concerned that, the syllabi prepared by the Ad-hoc Board and recommended by the Dean, Faculty of Science & Technology, the Hon'ble Vice-Chancellor has accepted the **following revised syllabi of Bachelor of Science Degrees with Regulation under the scheme of Choice Based Credit & Grading System** in his emergency powers under section 12(7) of the Maharashtra Public Universities Act, 2016 on behalf of the Academic Council as appended herewith. Earlier published syllabus vide circular dtd. 19.09.2022 is stand cancelled.

Sr.No.	Courses	Semester
1.	B.Sc. Information Technology (Degree)	Ist semester
2.	B.Sc. Computer Science (Degree)	Ist semester
3.	B.C.A.(Science) (Degree)	Ist semester

This is effective from the Academic Year 2022-23 and onwards.

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.SU/2022/12788-89
Date:- 19.10.2022.

*
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*
*

[Signature]
Deputy Registrar
Academic (Syllabus)

Copy forwarded with compliments to :-

- 1] The Principal of all concerned Colleges,
Dr. Babasaheb Ambedkar Marathwada University,
- 2] The Director, University Network & Information Centre, UNIC, with a
request to upload this Circular on University Website.

Copy to :-

- 1] The Director, Board of Examinations & Evaluation, Dr.BAMU,A'bad.
- 2] The Section Officer,[B.Sc.Unit] Examination Branch,Dr.BAMU,A'bad.
- 3] The Programmer [Computer Unit-1] Examinations, Dr.BAMU,A'bad.
- 4] The Programmer [Computer Unit-2] Examinations, Dr.BAMU,A'bad.
- 5] The In-charge,[E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr.BAMU,A'bad.
- 6] The Public Relation Officer, Dr.BAMU,A'bad.
- 7] The Record Keeper, Dr.BAMU,A'bad.

[Signature]
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Sr. No.	Paper Number	Name of the Paper Titles	Scheme of Teaching	Scheme of Evaluation(Marks)		
			Theory / Practical (Lect./week)	Theory / Practical (Marks)	Exam Duration (in hrs.)	Total Mark
V Semester						
1	CS501-T	Software Cost Estimation	3	50	2	50
2	CS502-T	Basic of Android O. S.	3	50	2	50
3	CS503-T	Core Java-II	3	50	2	50
4	CS504-T	Basic of Computer Graphics	3	50	2	50
5*	CS505-T	Beginners Prog. with PHP	3	50	2	50
6*	CS506-T	Basic of ASP.Net	3	50	2	50
7 [#]	CS507-T	Data Mining	3	50	2	50
8 [#]	CS508-T	Advanced Networking	3	50	2	50
9	CS509-P	Pr. Based on Adv. Java	4	100	2	100
10		Pr. Based on Comp. Graphics	4		2	
11	CS510-P	Pr. Based on Android O.S.	4	100	2	100
12		Pr. Based on PHP/ASP.Net	4		2	
VI Semester						
1	CS601-T	Software Quality & Testing	3	50	2	50
2	CS602-T	Android Application Development	3	50	2	50
3	CS603-T	Theory of Computation	3	50	2	50
4	CS604-T	Advanced Computer Graphics	3	50	2	50
5*	CS605-T	Advanced Prog. With PHP	3	50	2	50
6*	CS606-T	Programming Language: C#	3	50	2	50
7 [#]	CS607-T	e-Commerce	3	50	2	50
8 [#]	CS608-T	Ethics and Cyber Law	3	50	2	50
9	CS609-P	Pr. Based on Android Develop.	4	100	2	100
10		Pr. Based on PHP / C#	4		2	
11	CS610-P	Major Project	8	100	4	100
12						

* and #: Any one paper is to be opted from the group



Course: B.Sc.(C.S.)

Semester : VI

Topic: Pr. Based on Android Development

Paper No.: CS609 P (A)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.Sc.(C.S.)

Semester : VI

Topic: Pr. Based on PHP/C#

Paper No.: CS609 P (B)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.Sc.(C.S.)

Semester : VI

Topic: Major Project

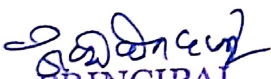
Paper No.: CS610

Note:

- 1) It is expected that concerned Faculty is to introduce and make the students aware about the Project Development Environment as well as distribute all the students in group with minimum 2 and maximum 4 student's strength.

Minimum contents of Project Report

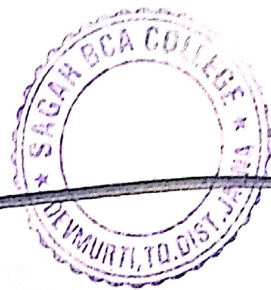
1. Introduction
2. Problem definition.
3. System Requirement Specification
 - 3.1. User Interview
 - 3.2. Current System flow diagram
 - 3.3. Proposed System.
4. E-R Diagram
5. DFD
6. Sample Screens
7. Conclusion


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MARATHWADA UNIVERSITY,
AURANGABAD.**



Curriculum under Choice Based Credit &

Grading System

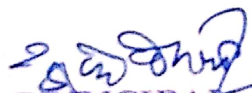
M.A. I & II Year

Library and Information Science

Semester-I to IV

run at college level from the

Academic Year 2015-16 & onwards

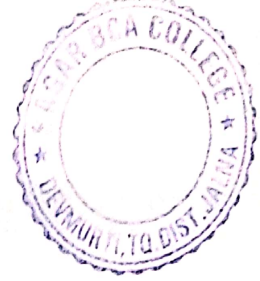

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Fourth Semester

Course Code	Course Name	Core/ Electives	Credit	Marks
LISc401T	Information Retrieval	Core	4	100
LISc401P	Practical based on LISc401T	Core	2	50
LISc402T	Project Work	Core	4	100
LISc402P	Seminar	Core	2	50
LISc403T	Core Electives	Core Elective	4	100
	403A1T: Marketing of Libraries & Information Centres			
	403A2T: Rural and Community Information Systems			
	403A3T: Health Information Systems			
LISc403P	Practical based on LISc403T	Core Elective	2	50
LISc404T	Electives/ Cafeteria	Electives	4	100
	404A1T: Web Page Design			
	404A2T: Intellectual Property Rights			
	404A3T: Thesaurus Construction			
LISc404P	Practical based on LISc404T	Electives	2	50

[III] Syllabus

First Semester

LISc101T Foundations of Information Science (Theory) (Credit 4)

No. of Lectures/ Unit

- 08 **Unit 1. Information and Communication**
- Information, Characteristics, Nature, Value and Use of Information
 - Conceptual difference between Data, Information and Knowledge
 - Communication of Information: Information generation
 - Trends in Scientific Communication
- 09 **Unit 2. Information Science**
- Definition, Scope and Objectives
 - Information Science as a discipline and its relationship with other subjects
- 12 **Unit 3. Library, Information and Society**
- Genesis, Characteristics and implications of Information Society
 - Changing role of Library and Information Centres in Society
 - Information Industry Generations, Providers & Intermediaries
 - Intellectual Property Act Right to Information Acts
 - Concept of Freedom, Censorship, Data Security and Fair Use

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Recommended Books:

1. Bhattacharya (G) 1979-POPSI: Its fundamentals and procedure based on a General Theory of subject indexing languages. 1st Ed Clive Bingley
2. Brown (AG) 1982 -- An introduction to subject indexing 2nd Ed Clive Bingley
3. Craven (TC) 1988- String Indexing Academic Press. San Diego.
4. Cutter (CA) 1904 -- Rules for a dictionary catalogue ed 4.
5. German (M) and Winkler (PW) 1988- AACR 2nd Ed Canadian Library Association Ottawa.
6. Gopinath (MA) 1988-Colon Classification ed 7.
7. Kaisee (J) 1911 --Systematic Indexing.
8. Parthasarathy (VV) --Combination of Quais --Isolates DRTC, Annual Seminar.
9. Ramsden (M) 1981 -- PRECTS Work Book for students for Librarianship
10. Ranganathan (CR) 1964- COC, with Additional Rules for Dictionary Code ed 5.
11. 1965- Prolegomena to Library-Classification Asia Publishing House, Bombay.
12. 1964 -- Colon Classification : Basic Classification ed.6
13. Austin (D) 1984 --PRECIS : A Manual of Concept Analysis and subject indexing.
14. UDC. British Standard institution Part I and II.
15. Wellisch (HH) ed 1977 -- The PRECIS index system, principles applications and prospects.
16. Wilson (TD) 1971 -- An introduction to chain indexing, Clive Bingley.
17. Borko :Indexing Methods
18. Fosket D.J. : Subject Approach to Information.
19. Prasher : Index & Indexing Systems.

LISc402T **Project Work** (Credit 4)

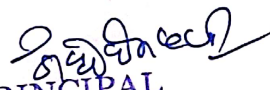
Project Work on Approved topic

LISc402P **Seminar on project work** (Credit 2)

LISc403T **Core Electives**
LISc403A1T **Marketing of Libraries & Information**
Centres (Theory) (Credit 4)

No. of Lectures/ Unit

- | | |
|----|---|
| 10 | Unit 1. Marketing
Concept, Definition, Purpose of marketing in LIS, Characteristics of Non- Profit Organizations, Marketing problems, benefits, services, etc. |
| 10 | Unit 2. Corporate Mission, Meeting Customer needs |


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