



Vishwalata Arts, Commerce & Science College

(College Code: 892)

BHATGAON, Tal. Yeola - 423 401 Dist. Nashik ■ Hello: (02559) 225102, Fax: 225103

Ref. No.

Date:

Clarification- 1.2.1.

1.2.1. Percentage of programmes in which Choice Based Credit System (CBCS) /Elective course system has been implemented.

1.2.1.1. Number of programmes in which CBCS /Elective course system implemented.

This is declare that Vishwalata Arts, Commerce & Science College Bhatgaon, Tal- Yeola, Dist-Nashik.

Our college has already submitted the SSR. In the data template of criteria number 1,

Metric No-1.2.1. in that 1.2.1.1. following data was shown

HEI Input: 16

We wrongly enter the above data.

There are only 08 programmes in which CBCS/ Elective course system implemented.

So please kindly consider this following record.

Change HEI Input: 08

Bhatgaon Solal Peola(Nashin A

Vishwalata Arts Commerce

3 Science College Bhatgao

Tal. Yeola Dist-Nashik

Shri Sairaj Shikshan Pratishthan's



Vishwalata Arts, Commerce & Science College

(College Code: 892)

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Ref. No.

Date:

Clarifications No. 1.2.1

Percentage of programs in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1. Number of Programs in which CBCS/ Elective course system implemented.

Query :- Number of programs in which CBCS /Elective course system implemented could not be more than total no of approved number of programs from affiliating university. Please update the data template, HEI input and supporting documents accordingly

Clarification:- Updating Data template

	7 2 -			We seek took
Program	Programme name	Year of	Status of	Year of
Code		Introducti	implementation of	implementation of
	1	on	CBCS / elective	CBCS / elective course
	1 2		course system	system
	/ AR	A STATE OF	(Yes/No)	MARIA 1
12019	Bachelor of Commerce	27	Yes	2019-20
	(B.Com)	2009-10	Dar S	W 248 1
	Bachelor of Computer	2009-10	Yes	2019-20
11019	Science B.Sc.(Comp.			
	Science)			
10219	Bachelor of Business	2009-10	Yes	2019-20
	Administration -	A - Ch		展示僧 /
	Computer Application			医电影 /
	(BBA- CA)	175		KSW /
10319	Bachelor of Business	2010-11	Yes	2019-20
	Administration-		The same of the same	7/
	International Business		Maria Maria Carlo	100
	(BBA-IB)	The second		and the same of th
10119	Bachelor of Business	2010-11	Yes	2019-20
	Administration(BBA)		The same of the sa	
11719	Bachelor of	2016-17	Yes	2019-20
*	Science (B.Sc.)			
25019	Master of Commerce	2016-17	Yes	2019-20
	(M.Com)			
21619	Master of Science	2016-17	Yes	2019-20
	(Computer Science)	ia:	1	

Vishwalata Arts Commerce & Science College Bhatgaor Tal. Yeola Dist-Nashik



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Ref. No.

Clarifications No. 1.2.1

Date:

Percentage of programs in which Choice Based Credit System (CBCS)/ elective course system has been implemented.

1.2.1.1. Number of Programs in which CBCS/ Elective course system implemented.

Query No 1:- Please provide list of programs in which CBCS /Elective course system is implemented in the last completed academic year certified by the register of the affiliating university.

Clarification:- We are presenting a document that the CBCS / Elective Curriculum System is implemented in the last full academic year certified by the Registrar of the affiliated University.

Juiversity		Latter Late	The state of the s		
	A COLUMN TO THE PARTY OF THE PA	MERENYA	Status of	Year of	
1			implementation	implementation	
Program	Programme name	Year of	of CBCS /	of CBCS /	
Code	/ ARE	Introduction	elective course	elective course	
Couc	/ APPL)		system (Yes/No)	system	
12019	Bachelor of Commerce		tore 1	CONTRACTOR OF THE PARTY OF THE	
12025	(B.Com)	2009-10	Yes	2019-20	
	Bachelor of Computer	H.B.		Fra. III	
11019	Science B.Sc.(Comp.	2009-10	Yes	2019-20	
22072	Science)			做"CEL	
10219	Bachelor of Business		THE PERSON NAMED IN	PAGE 1	
	Administration -	2009-10	Yes	2019-20	
	Computer Application		A CONTRACTOR OF		
	(BBA-CA)	Sa. Line		V 214 /	
10319	Bachelor of Business	1200		17/	
	Administration-	2010-11	Yes	2019-20	
	International Business		The Real Property lies	A SPACE OF THE PARTY OF THE PAR	
	(BBA-IB)	A STATE OF	H Elizabeth		
10119	Bachelor of Business	2010-11	Yes	2019-20	
	Administration(BBA)				
11719	Bachelor of	2016-17	Yes	2019-20	
	Science (B.Sc.)				
25019	Master of Commerce	2016-17	Yes	2019-20	
	(M.Com)				
21619	Master of Science	2016-17	Yes	2019-20	
A .	(Computer Science)	20			
	2500000	IC/CO		77	

Bhatgao

Vishwalata Arts Commerce & Science College Bhatgaor Tal. Yeola Dist-Nashik Shri Sairaj Shikshan Pratishthan's



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Date:

Clarifications No. 1.2.1

Percentage of programs in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1. Number of Programs in which CBCS/ Elective course system implemented.

Query No 2:- Please provide affiliating university letter stating implementation of CBCS.

Query No 3:- Please provide minutes of relevant academic council /BOS meeting highlighting the relevant document to this metric of the affiliating university.

Clarification 2:- We are presenting the document stating that we provide the relevant university letter informing about the implementation of CBCS.

Clarification 3:-We are presenting the document stating that the minutes of relevant academic council /BOS meeting highlighting the relevant document to this metric of the affiliating university.

Bhatgaon Bhatgaon Bhatgaon Reolal Nashing

Vishwalata Arts Commerce & Science College Bhatgaor Tal. Yeola Dist-Nashik



शैक्षणिक विभाग. गणेशखिंड, पुणे-४११ ००७ दुरध्यनी क्र.: ०२०-२५६०१२५७/५८

ई-मेल : boards@pun.unipunc.ac.in

संकेतस्थळ : www.unipunc.ac.in संदर्भ क.: CBS / 787

सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पूर्ण विद्यापीठ)

Savitribai Phule Pune University E-mail: boards@pun.unipunc.ac.in

(Formerly University of Pune)

Academic Section Ganeshkhind, Punc-411 007

Phone: 020-25001257/58

Website: www.unipune.ac.in

दिनांक: 26/07/2018

परिपत्रक क्र. १२८/ २०१८

विषय:- सावित्रीबाई फुले पुणे विद्यापीठातील विभागांकरिता पसंतीनुसार श्रेयांक पध्दतीनुसार [(Choice Based Credit System (CBCS)] शिकवण्यात येणा—या सुधारीत पदव्युत्तर पदवी अभ्यासकमांचा आराखडा व अभ्यासकमाबाबत...

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कुळविण्यात येते की, सावित्रीबाई फुले पुणे विद्यापीठातील विभागांकरिता पसंतीनुसार श्रेयांक पध्दतीनुसार [(Choice Based Credit System (CBCS)] शिकवण्यात येणा—या खालील सुधारीत पदव्यत्तर पदवी व पदविका अभ्यासकमांच्या आराखडयास व अभ्यासकमांस शैक्षणिक वर्ष २०१८--१९ पासून मान्यता देण्यात येत आहे.

अ) विज्ञान व तंत्रज्ञान विद्याशाखाः (विज्ञान विषयः ८० श्रेयांक)

- Department of Health Science (ISHS):
 - M.Sc. Health Science
 - ii. Master of Public Health
- M.Tech. (Energy)
- 3. M.Sc. (Scientific Computing) (IDSC)
- Integrated M.Sc. Biotechnology (IBB) (200 Credits)
- Department of Atmospheric and Space Science:
 - i. M.Sc. (Atmospheric Science)
 - ii. M. Tech. (Atmospheric Science)
- M.Sc. (Bioinformatics)
- 7. M.Sc. (Zoology)
- M.Sc. (Botany) 8.
- M.Sc. (Physics)
- 10. M.Sc. (Chemistry) (5-Specializations)
 - i. M.Sc. Physical Chemistry



- ii. M.Sc. Analytical Chemistry
- iii. M.Sc. Biochemistry
- iv. M.Sc. Inorganic Chemistry
- v. M.Sc. Organic Chemistry
- vi. M.Sc. Medicinal Chemistry
- 11. M.A./M.Sc. (Media and Communication)
- 12. Department of Computer Science:
 - i. Master of Computer Application (MCA)
 - ii. M.Sc. (Computer Science)
- 13. M.Sc. (Electronics)
- 14. M.Sc. (Environmental Science)
- 15. Department of Geography:
 - i. M.A./M.Sc. (Geography)
 - ii. M.Sc. (Geoinformatics)
 - iii. P.G.B.Sc. (Applied) GIS Remote Sensing
- 16. M.Sc. (Geology)
- 17. M.Sc. (Instrumentation)
- 18. Department of Mathematics:
 - i. M.A./M.Sc. (Mathematics)
 - ii. M.Sc. (Industrial Mathematics with Computer Application)
- 19. M.Sc. (Microbiology)
- 20. M.A./M.Sc. (Statistics)
- 21. M.Sc. Virology
- 22. M.Tech. (Modeling & Simulation) (100 Credits)
- 23. M.Tech. (Technology Department):
 - 1. Ph.D. Electronics and Electrical Technology (120 C & 3 years)
 - 2. Ph.D. (CI) (120 C & 3 years)
 - 3. Integrated M. Tech. Ph.D. Chemical and Biotechnology (200 C) (4 Years)
 - 4. Integrated M. Tech. Ph.D. Civil & Environmental Technology (200 C) (4 Years)
 - 5. Integrated M.Tech-Ph. D. (CI) (200C & 4 Years)
 - Integrated M.Tech-Ph.D. Electronics and Electrical Technology (200 C & 4 years)
 - 7. Integrated M. Tech-Ph.D. Mechanical & Material Technology (200 C & 4 years)
 - 8. Ph.D. Mechanical & Material Technology (120 C & 3 Years)
 - 9. Ph.D. Chemical and Biotechnology (120 C & 3 Years)
 - 10. Ph.D. Civil & Environmental Technology (120 C & 3 Years)
 - 11. M. Tech. Computer & Information Technology (100 C & 2 Years)
 - 12. M. Tech. Electronics & Electrical Technology (100 C & 2 Years)
 - 13. M. Tech. Chemical and Biotechnology (100 C & 2 Years)
 - 14. M. Tech. Civil & Environmental Technology (100 C & 2 Years)
 - 15. M. Tech. Mechanical & Material Technology (100 C & 2 Years)



ब) मानवविज्ञान विद्याशाखाः (६४ श्रेयांक)

- M.A./M.Sc. Anthropology as a substantial a substantial as 1.
- M.A. Economics 2.
- M.A. History 3.
- M.A. Philosophy 4.
- M.A. Politics 5.
- M.A. Psychology 6.
- 7. M.A. Sociology
- 8. M.A./M.Sc. Defence & Strategic Studies
- 9. M.A. Gender, Culture and Development Studies
- Sanskrit & Prakrit Language Department: . 10.
 - M.A. Sanskrit
 - ii. M.A. Prakrit
- Centre for Advance Studies in Sanskrit: 11.

 - i. M.A. in Sanskrit Linguistics
 ii. M.A. in Indian Logic and Epistemology
 - iii. M.A. in Translation Theory and Application

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Belgetiking to ballyayaya

- Department of Foreign Languages: 12.
 - M.A. (French) i.
 - ii. M.A. (German)
 - iii. M.A. (Russian)
 - iv. M.A. (Spanish)
- 13. M.A. English
- Department of Hindi:
- i. M.A (Sahitya)
 - ii. M.A. (Prayojanmulak Hindi)
 - 15. M.A. Marathi
 - Department of Pali: 16.
 - M.A. (Pali) i.
 - ii, M.A. (Buddhist Literature)

and the state of the वाणिज्य व व्यवस्थापन विद्याशाखाः

- Department of Commerce:
 - M.Com. (Regular) (96 Credits)
 - M.Com. (E-Commerce) (112 Credits)
- Department of Management: 2.
 - MBA General (100 Credits) i.
 - MBA Executive (100 Credits)
 - iii. MBA Phrma-Biotech (100 Credits)

ड) आंतरविद्याशाखीय अभ्यास विद्याशाखाः (६४ श्रेयांक)

- i. Physical Education- M.P.Ed. (80 Credits)
- Master of Journalism and Mass Communication (MJMC) 2.
- 3. Library and Information Science MLISc.
- 4. Department of Education:



- M.Ed. (80 Credits) i.
- M.A. Education ii.
- B.Sc. B.Ed. (4 Years Integrated) (196 Credits)
- Centre for Performing Arts: ---5.
 - M.A. (Music) ì.
 - B.A. (Music) ii.

सुधारीत अभ्यासकम यादी (Revised Detailed Syllabus)

এ) विज्ञान व तंत्रज्ञान विद्याशाखाः (विज्ञान विषयः ८० श्रेयांक)

- M.Sc, Scientific Computing 1.
- Department of Atmospheric and Space Science: 2.
 - M.Sc. (Atmospheric Science) i.
 - M. Tech. (Atmospheric Science) ìi.
- Integrated M.Sc. Biotechnology (IBB) (200 Credits) 3.
- M.Sc. Biotechnology (96 Credits) 4.
- M.Sc. Bioinformatics 5.
- 6. M.Sc. Zoology
- 7.
- M.Sc. Electronic Science 8.
- Department of Geography: 9.
 - M.A./M.Sc. Geography i.
 - ii. M.Sc. Geoinformatics
 - iii. P.G.B.Sc. (Applied) in GIS and Remote Sensing.
- M.Sc. Instrumentation Science 10.
- Department of Mathematics: 11.
 - M.Sc. Mathematics i.
 - Industrial Mathematics Computer Application (IMCA)

· 拉伯克斯·西里

- M.Tech. (Modeling & Simulation) (100 Credits) 12.
- M.A./M.Sc. Statistics 13.
- M.Sc. (Chemistry) (5-Specializations) 14.
 - M.Sc. Physical Chemistry i.
 - M.Sc. Analytical Chemistry ii. -
 - iii. M.Sc. Biochemistry
 - iv. M.Sc. Inorganic Chemistry
 - v. M.Sc. Organic Chemistry
 - vi. M.Sc. Medicinal Chemistry
- M.Sc. in Media and Communication Studies 15. 16.
 - Department of Health Science: M.Sc. Health Science i.
 - Master of Public Health (ISHS) ii.
- M.Tech. (Energy) 17.
- 18. Department of Environmental Science:
 - i. M.Sc. (Environmental Science),
 - M.Sc. (Urban Water & Sanitation)
 - iii. B,Sc, (Blended Mode)
- M.Sc. Microbiology 19.



- 20. Department of Computer Science:
 - i. Master of Computer Application (MCA)
 - ii. M.Sc. (Computer Science)
- 21, M.Sc. (Physics)
- 22. Department of Technology:
 - . M. Tech. Computer & Information Technology (100 C & 2 Years)
 - ii. M. Tech. Electronics & Electrical Technology (100 C & 2 Years)
 - iii. M. Tech. Chemical and Biotechnology (100 C & 2 Years)
 - iv. M. Tech. Civil & Environmental Technology (100 C & 2 Years)
 - v. M. Tech. Mechanical & Material Technology (100 C & 2 Years)

ब) मानवविज्ञान विद्याशाखाः (६४ श्रेयांक)

- 1. M.A. History
- 2. M.A. Politics
- 3. M.A. Psychology
- 4. L.L.M. (One Year) (24 Credits)
- 5. Department of Pali:
 - i. M.A. Pali,
 - ii. M.A. Buddhist Literature
 - iii. P.G. Diploma in Socially Engaged Buddhism
 - iv. P.G. Certificate Course in Mahayana Buddhist Psychology & Ethics
 - v. P.G. Diploma in Buddhist Psychology & Psychotherapy
 - vi. P.G. Diploma Course in Pali
 - vii. P.G. Diploma Course in Buddhist Studies
 - viii. Diploma in Professional Skills in Clinical & Counseling Psychology
- 6. M.A. Marathi
- 7. Department of Hindi:
 - i. M.A (Sahitya),
 - ii. M.A. (Prayojanmulak Hindi)
- 8. M.A. Gender, Culture and Development Studies
- 9. Centre for Performing Arts:
 - i. M.A. (Music)
 - ii. B.A. (Music)
- 10. M.A. Philosophy
- 11. M.A. Sociology
- 12. Department of Foreign Languages:
 - i. M.A. (French)
 - ii. M.A. (German)
 - iii. M.A. (Russian)
 - iv. M.A. (Spanish)
- 13. M.A. Economics
- 14. Department of Sanskrit & Prakrit Language:
 - i. M.A. Sanskrit
 - ii. M.A. Prakrit
- 15. M.A. English
- 16. M.A./M.Sc. Anthropology



TURNING AND GOOD PROFE

क) वाणिज्य व व्यवस्थापन विद्याशाखाः

- 1. Department of Commerce :
 - i. M.Com. (Regular) (96 Credits)
 - ii. M.Com. (E-Commerce) (112 Credits)
- 2. Department of Management:
 - i. MBA General (100 Credits)
 - ii. MBA Phrma-Biotech (100 Credits)
 - iii. MBA Executive (100 Credits)

ड) आंतरविद्याशाखीय अभ्यास विद्याशाखा : (६४ श्रेयांक)

- 1. Department of Education:
 - i. M.Ed. (80 Credits)
 - ii. M.A. Education
 - iii. B.Sc. B.Ed. (4 Years Integrated) (196 Credits)
- 2. Centre for Performing Arts:
 - i. M.A. (Music)
 - ii. B.A. (Music)
- 3. Library and Information Science
- 4. Department of Communication and Journalism
 - i. Master of Journalism and Mass Communication
- ii. Diploma in Mass Media,
 - iii. Vruttapatravidya Padvika
 - iv. Certificate Course in Photo Journalism

विज्ञान विषयाची पदवी प्राप्त करण्यासाठी एकूण ८० श्रेयांक (80 Credits) व सामाजिक शास्त्राची (मानव विज्ञान विद्याशाखा व आंतरविद्याशाखीय अभ्यास विद्याशाखा) पदवी प्राप्त करण्यासाठी पूर्वीप्रमाणेच एकूण ६४ श्रेयांक (64 Credits) असतील.

मा. विभागप्रमुख, विद्यापीठातील सर्व विभाग यांना विनंती की, सदर परिपन्नकाचा आशय सर्व संबंधित प्राध्यापक व विद्यार्थ्याच्या निदर्शनास आणून द्यावा.

and the Frederical Additional

उपकेुलसचिव (शैक्षणिक विभाग)



सावित्रीबाई फुले पुणे विद्यापीठ

(पूर्वीचे पुणे विद्यापीठ)

शैक्षणिक विभाग, गणेशिँखंड, पूर्ण ४११ ००७.

व्रथ्यनी कः: व्हरूप्त : युनिपुणे

०२०-२५६०१२५७/५८/५९. (र चिंबसाईट -: www.unipune.ac.in

फॅव्स -: ०२०-२५६९१२३३ ई-गेल -: boards@pun.unipune.ac.in

ि दिनांक 🕒 🖊 अॉगरट, २०१५



विषय -: वाणिज्य विचाशाखेअंतर्गत असलेल्या बी.बी.एम. (आय.बी.) पदवीच्या नावामध्ये [Nomenclature] बदल करण्याबाबत...

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपन्नकाद्वारे कळविण्यात येत आहे की, वाणिज्य विद्याशाखेअंतर्गत असलेल्या बी.बी.एम. (आय.बी.) या पदवीच्या नावामध्ये [Nomenclature] बी.बी.ए. (आय.बी.) [Bachelor of Business Administration (International Business)] असा बदल शैक्षणिक वर्ष २०१५-१६ पासून करण्यास मान्यता देण्यात येत आहे.

मा.विभागप्रमुख, वाणिज्य विभाग, सावित्रीबाई फुले पुणे विद्यापीठ, पुणे ७ व मा.प्राचार्य, विद्यापीठाशी संलग्न सर्व वाणिज्य महाविद्यालये यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या, प्राध्यापक व विद्यार्थी यांच्या निदर्शनास आणून द्यावा.

> संचालकांकरिता, (म.वि.वि.मं.)

प्रत माहिती व पुढील योग्य त्या कार्यवाहीसाठी -:

- १. मा.अधिष्ठाता, वाणिज्य विद्याशाखा
- २. मा,संचालक, म.वि.वि.मं.

संदर्भ क्र. : सी.बी.सी./८९%

- मा.विभागप्रमुख, वाणिज्य विभाग.
- ४. मा.प्राचार्य, सर्च संलग्न महाविद्यालये.



कृ.मा.प.



सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पूणे विद्यापीठ)

शैक्षणिक विभाग गणेशिखंड, पूणे-४११ ००७

ई-मेल : boards@pun.unipunc.ac.in

संकेतस्थळ : www.unipunc.ac.in

संदर्भ कः सीवीसीपम /२४८

दाध्यनी क्ष. : ०२०-२५६०१२५७/५८/५९ Savitribai Phule Pune University

(Formerly University of Pune)

Academic Section

Ganeshkhind, Pune - 411 007

Phone : 020-25601257/58/59

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दिनांक: 2८ मार्च २०१८.

परिपत्रक क्र. ६५ /२०१९

विषय : वाणिज्य व व्यवस्थापन विद्याशाखेतील तृतीय वर्ष वाणिज्य (२०१३ पॅटर्न) (T.Y.B.Com., 2013 pattern) पदवीच्या (नियमित व बहि:स्थ) अभ्यासक्रमातील "ॲडव्हान्सड अकोंटींग" या विषयाच्या अभ्यासक्रमातील बदल शैक्षणिक वर्ष २०१९-२० पासून लागू करण्याबाबत.....

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कळविण्यात येत आहे की, वाणिज्य व व्यवस्थापन विद्याशाखेतील तृतीय वर्ष वाणिज्य (२०१३ पॅटर्न) (T.Y.B.Com. 2013 pattern) पदवीच्या (नियमित व बहि:स्थ) अभ्यासक्रमातील "ऑडव्हान्सड अर्कोटींग" या विषयाच्या टर्म २ मधील प्रकरण ५ बदल करण्यात येत असून सदर बदल शैक्षणिक वर्ष मधील अभ्यासक्रमात २०१९—२० पासून लागू करण्यात येत आहे.

सदर अभ्यासक्रम विद्यापीठाच्या www.unipune.ac.in या संकेतस्थळावर syllabi > Revised syllabus from the Academic Year 2019 > Faculty - Commerce & Management शीर्पकाखाली उपलब्ध करण्यात आला आहे.

मा. प्राचार्य, विद्यापीठाशी संलग्न सर्व महाविद्यालये यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या निदर्शनास आणून द्यावा.

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सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पूणे विद्यापीठ)

श्रेक्षणिक विभाग गणेशखिंड, पुणे-४११ ००७

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संदर्भ कः सीबीसी ग्रम ह29

दरध्वनी क्र. : ०२०-२५६०१२५७/५८/५९ Savitribai Phule Pune University

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दिनांक: 3 ज्रिं, २०५९.

परिपत्रक क्र. १६८ / २०१९

विषय वाणिज्य व्यवस्थापन विद्याशाखेतर्गत बी.कॉम... (Restructuring Pattern) व बी.कॉम. (Vocational Pattern) या पदवीच्यां सुधारित आराखडयास (Semester & Choice Based Credit System) व प्रथम वर्षाच्या सुधारित अभ्यासक्रमास शैक्षणिक वर्ष २०१९-२० पासून मान्यता देण्याबाबत...

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस परिपत्रकाद्वारे कळविण्यात येत आहे की, वाणिज्य व व्यवस्थापन विद्याशाखेतील बी.कॉम., बी.कॉम. (Restructuring Pattern) व बी.कॉम.(Vocational Pattern) या पदवीच्या सुधारित आराखडयास (Semester & Choice Based Credit System) व प्रथम वर्षाच्या सुधारित अभ्यासक्रमास शैक्षणिक वर्ष २०१९-२० पासून मान्यता देण्यात येत आहे.

सदर अभ्यासक्रम विद्यापीठाच्या www.unipune.ac.in या संकेतस्थळावर syllabi > Revised syllabus from the Academic Year 2019 > Faculty - Commerce & Management - I) Commerce या शीर्षकाखाली उपलब्ध करण्यात आला आहे.

मा. प्राचार्य, विद्यापीठाशी संलग्न सर्व महाविद्यालय यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या निदर्शनास आणुन द्यावा.

> Bhalgaor al reolal Nash



सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पुणे विद्यापीठ)

शैक्षणिक विभाग गणेशिखंड, पूणे-४११ ००७

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संदर्भ कः सी बीसीएम (६२४

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दिनांक: उज्छि, २०१८.

परिपत्रक क्र. १४१ / २०१९

व्यवस्थापन विद्याशाखेंतर्गत बी.बी.ए. (आय.बी.) (Semester & Choice Based Credit System) सुधारित आराखडयास व प्रथम वर्षाच्या सुधारित अभ्यासक्रमास शैक्षणिक वर्ष २०१९-२० पासन मान्यता देणेबाबत.

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कळविण्यात येत आहे की, वाणिज्य व व्यवस्थापन विद्याशाखेतील वाणिज्य व व्यवस्थापन विद्याशाखेंतर्गत बी.बी.ए. (आय.बी.) या पदवीच्या (Semester & Choice Based Credit System) सुधारित आराखडयास व प्रथम वर्षाच्या सुधारित अभ्यासक्रमास शैक्षणिक वर्ष २०१९-२० पासून मान्यता देण्यात येत आहे.

सदर अभ्यासक्रम विद्यापीठाच्या www.unipune.ac.in या संकेतस्थळावर syllabi > Revised syllabus from the Academic Year 2019 > Faculty - Commerce & Management -I) Commerce या शीर्षकाखाली उपलब्ध करण्यात आला आहे.

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सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पुणे विद्यापीठ)

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गणेशिखंड, पुणे-४११ ००७

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संदर्भ कः भीबीसीएम ६२३

शैक्षणिक विभाग

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परिपत्रक क्र. १४० / २०१९

व्यवस्थापन विद्याशाखेंतर्गत बी.बी.ए. ॲप्लिकेशन) या पदवीच्या (Semester & Choice Based Credit System) सुधारित आराखडयास व प्रथम वर्षाच्या सुधारित अभ्यासक्रमास शैक्षणिक वर्ष २०१९-२० पासून मान्यता देणेबाबत.

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सावित्रीबाई फुले पुणे विद्यापीठ (पूर्वीचे पुणे विद्यापीठ)

शैक्षणिक विभाग गणेशखिंड, पुणे-४११ ००७

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संदर्भ कः ८७५/628

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दिनांक: 4/7/2019

परिपत्रक क्र. 983/२०१९

विषयः विज्ञान व तंत्रज्ञान विद्याशाखेअंतर्गत बी.एस्सी. (B.Sc.) व एम.एस्सी. (M.Sc.) या पदवी आणि पदव्युत्तर पदवीचा पसंतीनुसार श्रेयांक पध्दतीनुसार (CBCS) सुधारित आराखडा व सुधारित प्रथम वर्ष अभ्यासकमास शैक्षणिक वर्ष २०१९—२० पासून मान्यता देणेबाबत

विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कळविण्यात येते की, विज्ञान व तंत्रज्ञान विद्याशाखेंतर्गत पसंतीनुसार श्रेयांक पध्दतीनुसार (Choice Based Credit System) खालील बी.एस्सी. (B.Sc.) व एम.एस्सी. (M.Sc.) या पदवी आणि पदव्युत्तर पदवीचा सुधारित आराखडा व सुधारित प्रथम वर्षांच्या अभ्यासकमांस शैक्षणिक वर्ष २०१९—२० पासून मान्यता देण्यात येत आहे.

Sr. No.	Name of Revised UG Programme
.1	F.Y.B.Sc. (Botany)
2	F.Y.B.Sc. (Mathematics)
3	F.Y.B.A. (Geography)
4	F.Y.B.Sc. (Geography)
5	F.Y.B.Com. (Geography)
6	F.Y.B.Sc. (Electronics)
7	F.Y. B. Sc. Electronics of B. Sc.(Computer Science)
8	F.Y.B.Sc. (Microbiology)
9	F.Y.B.Sc. (Wine Technology)
10	F.Y.B.Sc. (Zoology)
11	F.Y.B.Sc. (Physics)
12	F.Y.B.Sc. (Chemistry)
13	F.Y.B.Sc. (Computer Science)
14	F. Y. B. A. Applied Statistics
15	F. Y. B. A. Mathematical Statistics
16	F. Y. B. A. Statistical Pre-Requisites
17	F. Y. B. A. Statistics
18	F.Y.B.Sc. Statistics / Statistical Techniques
19	F.Y. B. Sc. Statistics of B. Sc. (Computer Science)



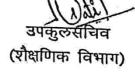
Page 1 of 3

20	F.Y.B.Sc. (Biotechnology)
21	F.Y., S.Y., T.Y. B.Sc. (Hospitality Studies)
22	F.Y.B.Sc. (Aviation)
23	F.Y.B.Sc. (Home Science)
24	F.Y. (Bachelor of Computer Applications)
25	F.Y.B.Sc. (Environmental Science)
26	F.Y.,S.Y.,T.Y.B.Sc.(Blended Mode) Earth and Atmospheric Science
20	17.1 43.1 4,11.1 B.Se. (Biended Widde) Earth and Atmospheric Sele

Sr. No.	Name of Revised PG Programme
1	M.ScI (Botany) (for Colleges & Centers)
2	M.ScI (Mathematics) (for Colleges & Centers)
3	M.ScI (Geography) (for Colleges & Centers)
4	M.Sc. (Applied) Petroleum Technology (for Colleges & Centers)
5	M.A./M.Sc1 (Statistics) (for Colleges & Centers)
6	M.ScI (Electronics) (for Colleges & Centers)
7	M.ScI (Electronics) for Department of Electronic Science
8	M.ScI (Microbiology) (for Colleges & Centers)
9	M.ScII (Microbiology) (for Department of Microbiology)
10	M.Sc. (PPPR) Microbiology (for Colleges & Centers)
11	M.ScI (Zoology) (for Colleges & Centers)
12	M.ScI (Physics) (for Colleges & Centers)
13	M.ScI (Chemistry) (for Colleges & Centers)
14	M.ScII (Computer Science) (for Colleges & Centers)
15	Master in Computer Application (M.C.A.) (for Colleges & Centers)
16	M.ScI (Biotechnology) (for Colleges & Centers)
17	M.Scl (Biodiversity) (for Colleges & Centers)
18	M.Sc1 (Environmental Science) (for Colleges & Centers)
19	M.Sc. Mathematics (Part-I & II) (for Department)
20	M.Sc. Industrial Mathematic with Computer Application (for Department)

सदरचा अभ्यासक्रम सावित्रीबाई फुले पुणे विद्यापीठाच्या <u>www.unipune.ac.in</u> या संकेत स्थळावर Syllabi या शीर्षकाखाली उपलब्ध आहे.

मा. प्राचार्य, सर्व संलग्नित विज्ञान महाविद्यालये व मा. विभागप्रमुख, सावित्रीबाई फुले पुणे विद्यापीठ यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या निदर्शनास आणून द्यावा.





Savitribai Phule Pune University

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RULES AND REGULATIONS

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UG Choice Based Credit System Programme Under Faculty of Science

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Effective from June 2019

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Prof. S. D. Dhole Chairman

UG/PG Rule & Regulation committee, Faculty of Science & Technology SPPU, Pune SPPU, Pune

Prof. A. D. Shaligram
Dean,
ation committee, Faculty of Science & Technolo



1. Background/Preamble:

Education plays enormously significant role in building of a nation. There are quite a large number of educational institutions, engaged in imparting education in our country. Majority of them have entered recently into semester system to match with international educational pattern. However, our present education system is churning out youth who have to compete locally, regionally, nationally as well as globally. The present alarming situation necessitates transformation and/or redesigning of system, not only by introducing innovations but developing learner-centric approach.

Majority of Indian higher education institutions have been following the system which obstructs the flexibility for the students to study the subjects/courses of their choice and their mobility to different institutions. There is need to allow the flexibility in education system, so that students depending upon their interests can choose inter-disciplinary, intradisciplinary and skill-based courses. This can only be possible when choice based credit system (CBCS), an internationally acknowledged system, is adopted. The choice based credit system not only offers opportunities and avenues to learn core subjects but also explore additional avenues of learning beyond the core subjects for holistic development of an individual. The CBCS will undoubtedly facilitate benchmarking of our courses with best international academic practices.

1.1 Preface

In a bid to fine tune our scientific education system to the global standards & practices, the Credit-Grade based performance and assessment system will be implemented with effect from June 2019 onwards for all the Under Graduate Programmes (UG) under the Faculty of Science, Savitribai Phule Pune University, Pune, starting with First Year.

With the advent of frontier science, technology and ever-changing expectations from the Industry and Society, it has become imperative to relook at the structure and subject contents of various UG courses to make it contemporary and relevant.

As per the decision by the authorities of Savitribai Phule Pune University, the faculty of Science has prepared the choice based credit system and its structure. The revised course is of 132 credits and 1 credit is equivalent to 15 hours. Assessments in credit system consist of A) In-semester continuous assessment and B) End-semester assessment for the Theory head and Term Work/ Practical / Oral / Presentation at the end of the semester for Practical, Oral, Seminar and Project Head.

The faculty of Science has shouldered the idea of incorporating latest advances in Science and technology and equip the subject/syllabus contents with latest and relevant topics and know-hows. Accordingly the new structure and syllabi are being introduced, to be implemented from the academic year 2019-20 from First Year and it will continue for subsequent years.

- 1. All UG programmes, under Faculty of Science shall be offered with credit system.
- 2. All the B.Sc. programmes running under the Faculty of Science will be of three years duration.
- 3. The total no. of credits required for the completion of the programme is 132 credits.
- 4. One credit is equivalent to 15 hours.
- 5. A student is required to earn 132 credits in a minimum period of six semesters.
- 6. There are eight mandatory credits to be earned by the students for the award of degree.
- 7. Final CGPA will be calculated on the basis of 132 credits.
- 8. There is 15 weeks of teacher-student interaction during the semester.
 9. The 15 week is divided into 12 weeks teaching and 3 weeks for continuous assessment including preparation time to students during the semester.

10. The workload will be calculated on the basis of 12 weeks teaching only.

1.2 Advantages of the choice based credit system:

1. Shift in focus from the teacher-centric to student-centric education.

2. Student may undertake as many credits as they can cope with (without repeating all

courses in a given semester if they fail in one/more courses).

3. CBCS allows students to choose inter-disciplinary, intra-disciplinary courses, skill oriented papers(even from other disciplines according to their learning needs, interests and aptitude) and more flexibility for students.

4. CBCS makes education broad-based and at par with global standards. One can take credits by combining unique combinations. For example, Physics with Economics,

Microbiology with Chemistry or Environment Science etc.

5. CBCS offers flexibility for students to study at different times and at different institutions to complete one course (ease mobility of students). Credits earned at one institution can be transferred to another institution.

1.3 Implementation of UG course structure:

1. For First year: Student has to select 4 different subject among the subjects offered by the College /Institute.

2. For Second year: Student has to select 3 different subject among 4 subject chosen in

first year

- 3. For Third year: Student has to select only 1 subject among the 3 subject opted in second year
- 4. CGPA will be calculated on the basis of core 132 credits only
- 5. Each theory credit is equivalent to 15 clock hours of teaching and each practical credit is equivalent to 30 clock hours of teaching in a semester.
- 6. There is 15 weeks of teacher-student interaction during the semester.
- 7. The 15 week is divided into 12 weeks teaching and 3 weeks for continuous assessment including preparation time to students during the semester.
- 8. The workload will be calculated on the basis of 12 weeks teaching only.
- 9. For the purpose of computation of work-load the following mechanism may be adopted as per UGC guidelines:
 - i)1 Credit = 1 Theory period of one hour fifteen minute duration per week
 - ii)1 Credit = 1 Tutorial period of one hour fifteen minute duration per week
 - iii)1 Credit = 1 Practical period of two hour ten minute duration per week
- 10. Each theory Lecture time for FY, SY, TY is of 50 min. (3 Lectures per week for 2 credit course)
- 11. Each practical session time for FY is of 3 hour 15 minutes = 195 min
- 12. Each practical session time for SY & TY is of 4 hour 20 minutes = 260 min
- 13. Exam pattern: University assessment 70 % and continuous internal assessment 30 %.
- 14. For Internal examination minimum two tests per paper of which one has to be written test of 10 marks.

15. Methods of assessment for Internal exams: Seminars, Viva-voce, Projects, Surveys, Field visits, Tutorials, Assignment, Group Discussion

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2. UG Programme Structure:

2.1 Each B.Sc. programme is of 3 years duration. The minimum total no. of credits requirement for each programme is 132. In the structure, the credits are distributed over 6 semesters. The open elective included, gives the student a wide choice of subjects from other programmes. The Credit structure for B.Sc. programme is given below in Table 1.

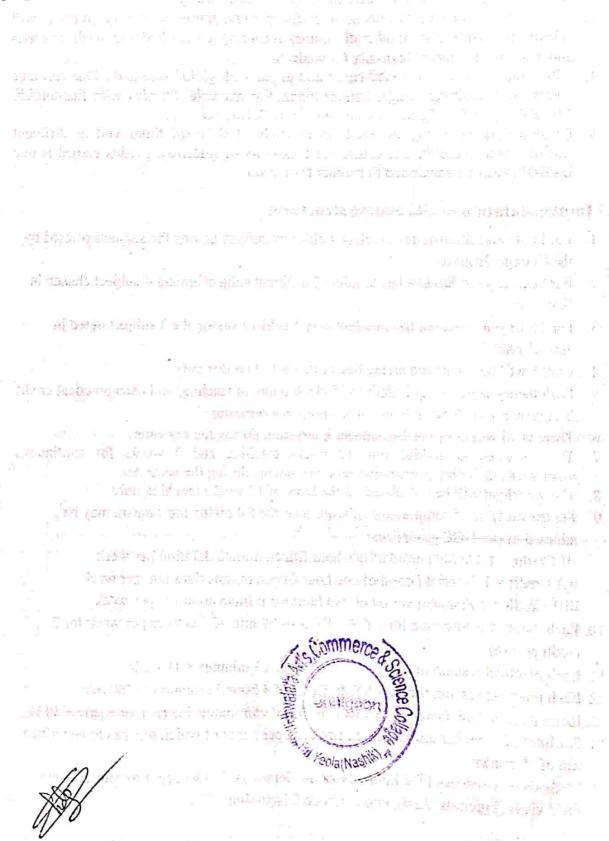
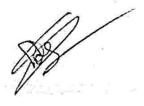


Table 1 Savitribai Phule Pune University Faculty of Science and Technology Structure of Choice Based Credit System for Undergraduate Science Programme

		Specific	Ability Enhancement Compulsory Courses (AECC)		mpulsory Discipline specific Elective Courses Skill E		Elective Courses Skill Enhancement		
Sem ester	Course	Theory 1 + Theory 2 + Practical Credit	Course	Theory + Practical Credit	Course	Theory 1 + Theory 2 + Practical Credit	Course	Theory + Practical Credit	Total Credi
I	CC-I	2 + 2 + 1.5 = 5.5				The second secon		,	
7.5	CC - II	2+2+1.5 = 5.5 2+2+1.5	1 - 31 U					- 32	
	CC - III	= 5.5 2 + 2 + 1.5	Anv.				A CONTRACTOR OF THE CONTRACTOR		22
L	CC - IV	= 5.5	Valuation Vis		4-181-1	7		4 1	
11 34	cc - V	2 + 2 + 1.5 = 5.5							
	CC - VI	2 + 2 + 1.5 = 5.5							
'	CC - VII	2 + 2 + 1.5 = 5.5							
1	CC - VIII	2 + 2 + 1.5 = 5.5				M in 3 man	MI,		22
		1 _ X _ K	4500 L	O	elithe 112				-
10	CC - IX	2+2+2=	AECC - I (Environ ment)	2+0=2	4 8				
* 1	cc-x	2+2+2= 6	AECC – II (Langua	2+0=2	i= .	1	-		
	CC - XI	2+2+2= 6	ge commun ication)						22





IV	d	2+2+2=	AECC - III (Environ				-		
ari-Sicari	CC - XIII	6 2+2+2= 6	ment) AECC - IV	2 + 0 = 2 $2 + 0 = 2$	ypianeji 1950-mili 19			·±	7
trusts vis	CC - XIV	2+2+2= 6	(Langua ge commun ication)				facin klas sulah	The state of the s	22
V		a di Albania	Ac - St - Many Color	person	Security E-900 - 100	2+2+2=			
inein Pelik	i. Topunia	o s il propositi Il distribution di Il distribution	· market 400		DSEC - I	6 2+2+2= 6	SEC - II	2+0=2 $2+0=2$	
						2+2+2= 6			22
VI					DSEC -	2+2+2=	SEC - III	2+0=2	7-
-					DSEC –	2 + 2 + 2 = 6	W. 1	2+0=2	
(21 - 11 (1)	Parentes, in second of		Time to the second seco		DSEC-VI	2+2+2=			22
4							Total Cre	dit	132

W S



2.2 Mandatory Credit courses for award of B.Sc. Degree:

In addition to the compulsory credits of 132, the student has to carn additional 8 credits from following groups by taking/participating/conducting respective activities.

Courses in Group I are compulsory.

The student can earn maximum 04 credits from an individual group from Group 2 to Group -9.

These extra credits will not be considered for GPA calculation, however these are mandatory for the completion and award of B. Sc. Degree.

Group 1: Physical Education (at F. Y. B. Sc. Sem. I) -01 credit

Physical Education (at F. Y. B. Sc. Sem. II) - 01 credit

(Note: Group I is compulsory for all the students as stated above.)

Group 2: Sport representation at College level - 01 credit
Sport representation at University/Statelevel - 02 credits

National Social Service Scheme (participation in Camp): 01 credits
 N.C.C.(with participation in annual camp) -01 credit
 N. C. C. (with B certificate/C certificate award)- 02 credits
 N.S.S./N.C.C. Republic day parade participation - 04 credits

Group 4: Avishkar participation; Extension activity participation, Cultural activity participation -01 credit

Avishkar selection at University level - 02 credits

Avishkar winner at state level - 04 credits

Group 5: Research paper presentation at State/National level - 01 credits

Research paper presentation at International level - 02 credits

Group 6: Participation in Summer school/programme; Short term course (not less than 1-week duration) - 03 credit.

Group 7: Scientific Survey, Societal survey, - 02 credits.

Group 8: Field Visits; Study Tours; Industrial Visits; Participation in curricular/cocurricular competitions- 01 Credit.

Group 9: Online certificate Courses /MOOC Courses/ Career Advancement
Course up to 04 credits (Minimum 10 Hrs. / credit)

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2.3 Outlines of Choice Based Credit System [Detailed description of the courses]:

- a) Core Course(14 for honours courses; 4 discipline specific papers each for regular courses and 2 papers each for English and Hindi/MIL in B.A./B.Com): The papers under this category are going to be taught uniformly across all universities with 30% deviation proposed in the draft. The purpose of fixing core papers is to ensure that all the institutions follow a minimum common curriculum so that each institution/university adheres to common minimum standard. Also the course designed for papers under this category aim to cover the basics that a student is expected to imbibe in that particular discipline. A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.
- b) Elective Course: Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.
 - i. Discipline Specific Elective (DSE) Course(4 for honours courses and 2 each for regular courses): Elective courses offered under the main discipline/subject of study is referred to as Discipline Specific Elective. The list provided under this category are suggestive in nature and each University has complete freedom to suggest their own papers under this category based on their expertise, specialization, requirements, scope and need. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).
- ii. Dissertation/Project*: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.
 - iii. Generic Elective (GE) Course(4 for honours courses and 2 each for B.A./B.Com. regular courses): An elective course chosen from an unrelated discipline/subject, with an intention to seek exposure beyond discipline/s of choice is called a Generic Elective. The purpose of this category of papers is to offer the students the option to explore disciplines of interest beyond the choices they make in Core and Discipline Specific Elective papers. The list provided under this category are suggestive in nature and each University has complete freedom to suggest their own papers under this category based on their expertise, specialization, requirements, scope and need.

P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

c) Ability Enhancement Courses (AEC): The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement; i. Environmental Science and ii. English/MIL(Marathi/Hindi) Communication. These are immunication of all disciplines. SEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.

- i. Ability Enhancement Compulsory Courses (AECC): Environmental Science, English Communication/Hindi Communication/MIL Communication.
- ii. Skill Enhancement Courses (SEC)(minimum 2 for honours courses and 4 for regular courses): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge and should contain both theory and lab/hands-on/training/field work. The main purpose of these courses is to provide students life-skills in hands-on mode so as to increase their employability. The list provided under this category are suggestive in nature and each University has complete freedom to suggest their own papers under this category based on their expertise, specialization, requirements, scope and need.
- d) Practical/tutorials (One each with every core and discipline/generic specific elective paper): The list of practical provided is suggestive in nature and each university has the freedom to add/subtract/edit practical from the list depending on their faculty and infrastructure available, Addition will however be of similar nature.
- e) Introducing Research Component in Under-Graduate Courses

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

3. Eligibility for Admission:

3.1 First Year B.Sc.:

A. Higher Secondary School Certificate (10+2) or its equivalent Examination with English and three science subjects such as Physics, Chemistry, Mathematics, Biology, Geography, Geology, etc. OR

B. Three Years Diploma in Pharmacy Course of Board of Technical Education

conducted by Government of Maharashtra or its equivalent. OR

C. Higher Secondary School Certificate (10+2) Examination with English and vocational subject of + 2 level (MCVC) - Medical Lab. Technician (Subject Code = P1/P2/P3)

Admissions will be given as per the selection procedure / policies adopted by the respective college keeping in accordance with conditions laid down by the University of Pune.

Reservation and relaxation will be as per the Government rules.

3.2 Medium of Instruction: English

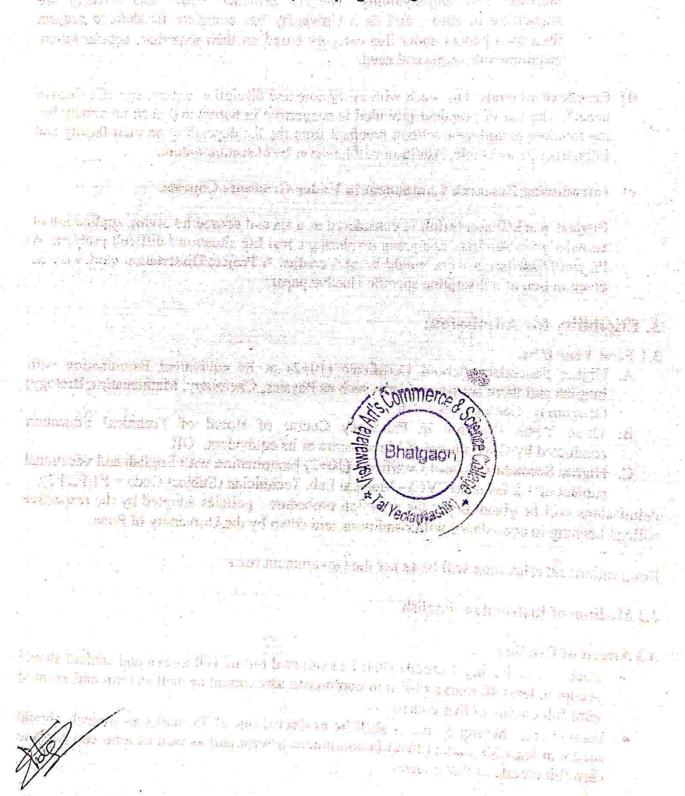
3.3 Award of Credits:

• Each course having 4 credits shall be evaluated out of 100 marks and student should secure at least 40 marks (40%) in continuous assessment as well as term end exam to earn full credits of that course.

• Each course having 3 credits shall be evaluated out of 75 marks as students should secure at least 30 marks (40%) in continuous assessment as well as term end exam to earn full credits of that course.

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- Each course having 2 or 1.5 credits shall be evaluated out of 50 marks and student should secure at least 20 marks (40%) in continuous assessment as well as term end exam to earn full credits of that course.
- Each course having 1 credits shall be evaluated out of 25 marks as student shall secure 10 marks (40%) in continuous assessment as well as term end exam to earn full credits of that course.
- GPA shall be calculated based on the marks obtained in the respective subject provided that student should have obtained credits for that course. Structure of marks scheme for choice based credit system program is given in Table 2.



<u>Table 2</u> Structure of Examination Mark Scheme of Choice Based Credit System for Undergraduate Science Programme

			Credit	Internal Max Marks	External Max Marks	Total Max. Marks
Sem	Course opted	Course Name	2	15	35	50
1	CC-1	Paper 1:	2	15	35	50
	4- a - 16.	Paper 2:	CALLETTE TETAL	15	35	50
	CC-1 Practical	Practical (the later	2.3	15	35	50
	CC-2	Paper 1:		15	35	50
	\$100 L 2300	Paper 2:	2	15	35	50
	CC-2 Practical	Practical	1.5	15	35	50
ji)	CC-3	Paper 1:	2 2	15	35	50
	# 131	Paper 2:				50
h"	CC-3 Practical	Practical	1.5	15	35 35	50
	CC-4	Paper 1:	2	15	35	50
		Paper 2:	2	15 15	35	50
	CC-4 Practical	-Practical	1.5		420	600
			22	180	420	1 1
11			2	15	35	50
	CC-5	I Paper 1:				
	CC-5	Paper 1:	2	15	35	50
	Pr ()1	Paper 2:	2	15 15	5V = 4	50 50
	CC-5 Practical	Paper 2: Practical	2	15	35	76 1
	Pr ()1	Paper 2: Practical Paper 1: Paper 2:	1.5 2 2 2	15 15 15	35 35	50
	CC-5 Practical	Paper 2: Practical Paper 1:	1.5 2 2	15 15 15	35 35 35	50
	CC-5 Practical CC-6 CC-6 Practical	Paper 2: Practical Paper 1: Paper 2:	1.5 2 2 2	15 15 15 15	35 35 35 35 35	50 50 50
	CC-5 Practical	Paper 2: Practical Paper 1: Paper 2: Practical	1.5 2 2 2 1.5	15 15 15 15 15	35 35 35 35 35 35	50 50 50 50
	CC-5 Practical CC-6 CC-6 Practical	Paper 2: Practical Paper 1: Paper 2: Practical Paper 1:	1.5 2 2 2 2 1.5 2	15 15 15 15 15 15	35 35 35 35 35 35 35	50 50 50 50 50
	CC-5 Practical CC-6 CC-6 Practical CC-7	Paper 2: Practical Paper 1: Paper 2: Practical Paper, 1: Paper 2:	1.5 2 2 2 1.5 2 2 2 2	15 15 15 15 15 15	35 35 35 35 35 35 35 35 35 35 35	50 50 50 50 50 50
	CC-5 Practical CC-6 CC-6 Practical CC-7 CC-7 Practical	Paper 2: Practical Paper 1: Paper 2: Practical Paper 1: Paper 2: Practical	1.5 2 2 2 1.5 2 2 2 1.5	15 15 15 15 15 15 15	35 35 35 35 35 35 35 35 35 35 35 35	50 50 50 50 50 50 50
	CC-5 Practical CC-6 CC-6 Practical CC-7 CC-7 Practical	Paper 2: Practical Paper 1: Paper 2: Practical Paper 1: Paper 2: Practical Paper 1:	1.5 2 2 1.5 2 2 2 2 1.5 2	15 15 15 15 15 15 15 15 15 15 15	35 35 35 35 35 35 35 35 35 35 35 35 35 3	50 50 50 50 50 50 50 50
	CC-5 Practical CC-6 CC-6 Practical CC-7 CC-7 Practical CC-8	Paper 2: Practical Paper 1: Paper 2: Practical Paper 1: Paper 2: Practical Paper 2: Practical Paper 2: Practical	1.5 2 2 2 1.5 2 2 2 1.5 2 2 2 2	15 15 15 15 15 15 19 19 19	35 35 35 35 35 35 35 35 35 35 35 35 35 3	50 50 50 50 50 50 50 50





111	CC-9	Paper 1:	2	15	35	50
500	Anna Andre S	Paper 2:	2	15	35	50
100	CC-9 Practical	Practical	2	15	35	50
	CC-10	Paper 1:	2	15	35	50
-	-	Paper 2:	2	15	35	50
	CC-10 Practical	Practical	2	15	35	50
[R]	CC-11	Paper 1:	2	15	35	50
		Paper 2:	2	15	35	50
	CC-11 Practical	Practical	2	15	35	50
	AECC-1A	Environmental Science -1	2	15	35	50
		English MIL(Marathi/Hindi)	. 4		140-3	
	AECC-2A	Communication -1	2-	15	35	50
	1 4 , 4		22	165	385	550
		hard its	7 = 1		2 mg 1 mg 120	
IV	CC-12	Paper 1:	2	. 15	35	50
		Paper 2:	2	15 J	35	50
	CC-12 Practical	Practical	2.	15	35	50
4 77	CC-13	Paper 1:	2	15	35	50
	100	Paper 2:	2.	15	35	50
	CC-13 Practical	Practical	2.	15	. 35	50
-	CC-14	Paper 1:	2	15	35	50
-	(1986) 3 SEC.	Paper 2:	2	15	35	50
	CC-14 Practical	Practical	2	15	35 = -	50
	AECC-1B	Environmental Science -2	2	15	35	50
		English MIL(Marathi/Hindi)				
-	AECC -2B	Communication -2	2	15	35	50
			22	165	385	550
		Second Year Total	44	330	770	1100
		and the production of the state	Part of Edit	Maria di Bassali.		
V	DSE-1A	Paper 1:	2	15	35	50
	DSE - 1B	Paper 2:	2	15	35	50
	DSE - 2A	Paper 3:	2	15	35	50
	DSE-2B	Paper 4:	2	15	35	50
	DSE-3A	Paper 5:	2	15	35	
. ·	A CONTRACTOR OF THE PARTY OF TH	Paper 6:	2	- Free 51 F	THE PROPERTY	50
	DSE = 3B			15	35	50
	DSE-1	Practical Lab 1	2	15	35	50
Ì	DSE-2	Practical Lab 2		15	35	50
	DSE+3,	Practical Lab 3	2	15	35	50
	SEC-1	Skill Based Course 1:	2	15	35	50
- 1	SEC-2	Skill Based Course 2:	2	15	35	50
	2000年月期時期的時間時間	(scommerce)	545			

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VI	DSE - 4A	Paper 1:	2	15	35	50
	DSE - 4B	Paper 2:	2	15	35	50
	DSE - 5A	Paper 3:	2	15	35	50
	DSE - 5B	Paper 4:	2	15	35	50
	DSE + 6A	Paper 5:	2	15	35	50
	DSE - 6B	Paper 6:	2	15	35	50
	DSE-4	Practical Lab 1	2	- 15	35	50
	DSE-5	Practical Lab 2	2	15	35	50
	DSE-6	Project	2	15	35	50
	SEC-2	Skill Based Course 2	2	15	35	50
	SEC-2	Skill Based Course 2	2	15	35	50
		a dispersion	22	165	385	550
		44	330	770	1100	
41.00		Total	132			3400

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4. Evaluation Pattern:

4.1 The course carrying 100 marks shall be evaluated with Continuous Assessment (CA)

and University Evaluation (UE) mechanism.

4.2 Continuous assessment shall be of 30 marks while University Evaluation shall be of 70 marks. To pass in a course of 4 credit, a student has to secure minimum 40 marks provided that he should secure minimum 28 marks in University Evaluation (UE) and 12 marks (40%) in continuous assessment.

4.3 The course carrying 50 marks shall be evaluated with Continuous Assessment (CA) and University Evaluation (UE) mechanism. Continuous assessment shall be of 15

marks while University Evaluation shall be of 35 marks.

4.4 To pass in a course of 2 or 1.5 credit, a student has to secure minimum 20 marks provided that he/she should secure minimum14 marks in University Evaluation (UE) and 6 marks (40%) in continuous assessment..

4.5 For Internal examination minimum two tests per paper of which one has to be a

written test 10 Marks

4.6 Methods of assessment for Internal exams: Seminars, Viva-voce, Projects, Surveys, Field visits, Tutorials, Assignment, Group Discussion, etc (on approval of the head of the centre)

4.7 There shall be revaluation of the answer scripts of semester-end examination of theory papers only but not of internal assessment papers as per Ordinance no 134 A and B.

5. ATKT Rules:

- 5.1 Minimum number of credits required to take admission to Second Year of B. Sc.: 31 [70%]
- 5.2 Minimum number of credits required to take admission to Third Year of B.Sc.: 44 credits [100%] to be completed from F.Y. B.Sc. and at least 22 credits from S.Y. B.Sc.

6. Completion of Degree Course:

6.1 A student who earns 140 credits, shall be considered to have completed the requirements of the B. Sc. degree program and CGPA will be calculated for such student. On the basis of only 132 credits. The following percentage to grade and grade point is given in Table-3 and respective example of CGPA calculation is given in Table-4.

Table 3
Percentage to Grades and Grade Points

Sr. No.	Grade Letter	Grade Point	Marks
1	O (Outstanding)	10	90 ≤ Marks ≤ 100
2	A+ (Excellent)	9	$80 \le Marks \le 89$
3	A (Very Good)	8	$70 \le Marks \le 79$
4	B+ (Good)	7	$55 \le Marks \le 69$
5	B (Above Average)	6	$50 \le Marks \le 54$
6	C (Average)	5	15 < 14-1 + 10
7	D (Pass)	4	
8	F (Fail)	0	
9	Ab (Absent)	0	Marks < 40

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Table 4

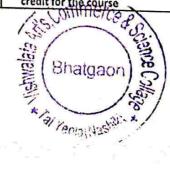
Structure of CGPA and Mark Scheme of Choice Based Credit System for Undergraduate Science Programme to be

implemented from Academic year 2019-20

W. 15	1 1	1.		Interna	Extern	Total	Grade	Grade point	Credit Point = (Credit x
ė	Course	Course	Cre	I Max	al Max	Max	Letter	(0 - 10)	Grade point
n	opted	Name	dit	Marks	-Marks	Marks	(F-O)	10	20.00
i	CC-1	Paper 1:	- 2	15	- 35	50	0		18.00
747	4	Paper 2:	2	15	35	50	A+	9	
100	CC-1		4	15	35	50	Α	8	12.00
	Practical	Practical	1.5		35	50	B+	7	14.00
	CC-2	Paper 1: Paper 2:	2	15 15	35	50	В	6	12.00
	CC-2 Practical	Practical	1.5	15	35	50	c	- 5	7.50
150	CC-3	Paper 1:	2	15	35	50	D	4	8.00
	1	Paper 2:	2	15	35	50	Α	8	16.00
	CC-3	b was	1	15	35	50	D	4	6.00
	Practical	Practical	1.5	7 15	35	50	0	10	20.00
n xiri	CC-4	Paper 1:	2		35	50	A+	9	18.00
glass.	CC-4	Paper 2:	, Z ,	15				3	
eri er	Practical	Practical-	1.5	15	35	50	Α	8	12.00
T.			22	180	420	600			163.50
	44				SGPA	Total Ci	redit point / Total semester		7.43
ti	CC-5	Paper 1:	2	15	35	50	0	10	20.00
	11 :	Paper 2:	2	15	35	50 👍	A+	9	18.00
Ž-	CC-5	1 1 2					14. 2003	På.	
Ľ, i	Practical	Practical	1.5	15	35	50	A	8	12.00
	CC-6	Paper 1:	2	. 15	35	50	B+	7 7	14.00
		Paper 2:	2	15	35	50	B	6	12.00
e1	CC-6 Practical	Practical	1.5	15	35	50	C . Jens	5	7.50
	CC-7	Paper 1:	2	15	35	50	D	4	8.00
. 1		Paper 2:	2		1000	50	- c	5	10.00
	CC-7 Practical	Practical	1.5	5 15	35	50	В	6	9.00
A.Fo	CC-8	Paper 1:				50	0	10	20.00
		Paper 2:		2 15		50	A+	9	18.00
	CC-8 Practical	Practical	1.5	5 19	35	50	A	8	12.00
			22		420	600	0		160.50
ů,				114	SGPA	Total Cre	edit point / Total or the semester	i'omm-	7.30
9.1	First Ye	ar Total	44	360	840	1200	19	2 Marition Co	323.50
i, Pr	13 (FAME !	SGPA	Total Cree	dit point / Total ci	redit for	7.35
ζ	*				15		25/4	Solal Nasult	STATE TO STATE OF THE STATE OF
M	N/						(A)	13:	

III	T	192-91							
111	CC-9	Paper 1:	2	15	35	50	0	10	20.00
	5/09	Paper 2:	2	15	35	50	A+	9	18.00
1	CC-9		- 1- 10-1	ele su lu		Mariana	wall frame of		
	Practical	Practical	2	15	35 '	50	Α	8	16.00
100	CC-10	Paper 1:	2	15	35	50	B+	7	14.00
1		Paper 2:	2	15	35	50	В	6	12.00
2001	CC-10	- 1	La -		Louis Te		7 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
181	Practical	Practical	2	15	35	50	С	5	10.00
5.	CC-11	Paper 1:	2	15	35	50	B+ -	7	14.00
		Paper 2:	2	15	35	50	В	6	12.00
8 5.1	CC-11	1 1			14		St. T. g. near	- x	
k.	Practical	Practical	2	ı 15	35	50	C T	5	10.00
PST		Environm	- 11	the I	1 to 1	1 6		518	
		ental				T.		į.	F 1
	AECC -1A	Science -	2	that di		-	1 / Felle	i je se bje	
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-			22	165	385	550		BA I	154.00
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	00.40	Paper 2:	2	15	35	50	A+	9	18.00
M. A.	CC-12						1.19	y# T	
£3 K5	Practical CC-13	Practical Paper 1:		15	35	50 ;	A	-4 8	16.00
8.1	CC-13	Paper 1:	2	15	35	50	B+.	7	14.00
	CC-13	rapei z.	- 2	15	- 135 - 135	50	Bis	6.	12.00
Th. 111	Practical	Practical	2	15	35	50		- <u>-</u> § 5	
91113	CC-14	Paper 1:	2	15	35	50	B+	5 - 5	10.00
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philips Maril	CC-14			Paul Ja	Par - Transpire		B 14 44	6	12.00
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V.	DSE - 1A	Paper 1:	2	15	35	50	D	4.	8.00
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- To 10	DSE - 2B	Paper 4:	2	15	35	50	C .	5	10.00
4	DSE - 3A	Paper 5:	H (\$ 2)	15	35	50	- L.D.	4	8.00
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	DSE-1	Lab 1	2	15	35	50	0	10	20.00
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	DSE -2	Lab 2	2	15	35	50	A+	9	18.00
		Practical		i a				8	16.00
	DSE-3	Lab 3	2	15	35_	50	A	0	10.00
	SEC-1	Skill Based	2	15	35	50	D	4	8.00
	SEC-1	Course 1: Skill Based		15	55	50		7 .	0.00
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VI	DSE - 4A	Paper 1:	2	15	35	50	D	4	8.00
	DSE - 4B	Paper 2:	2	15	35	50	c	5	10.00
	DSE - 5A	Paper 3:	2	15	35	50	D 1	4	8.00
	DSE-5B	Paper 4:	2	15	35	50	С	5	10.00
	**************								1
	DSE-6A	Paper 5:	2	.15	35	50	D	4	8.00
	DSE - 6B	Paper 6:	2	15	35	50	ai maina	5	10.00
5004		Practical	### 2	15	35	50		the returned upones	
-F.H	DSE-4	Lab 1	4 × 6 × 6 × 1	15 11 (1) (1)	35 35 35 3	,50 -::::::::::::::::::::::::::::::::::::		10	20.00
¥1	DSE-5	Practical Lab 2	2	15	35	50		9 7 7 7	10.00
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	SEC-Z-	Skill Based	- 2	15	35	50	D D	4	8.00
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	Third Y	ear Total	44	330	770	1100	Birth 1	s [11:7]	252.00
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		Total	132		-	3400	. 1	۸	873.50
					CGPA		point / Total		**************************************
					Total Credit	point / Total the course		6.62	



7. PERFORMANCE INDICES:

The semester end grade sheet will contain grades for the courses along with titles and SGPA. Final grade sheet and transcript shall contain CGPA.

7.1 Semester Grade Point Average (SGPA) -The performance of a student in a semester is indicated by a number called the Semester Grade Point Average (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses, seminars and projects registered by the student during the semester.

$$SGPA = \frac{\sum_{i=1}^{p} C_i G_i}{\sum_{i=1}^{p} C_i}$$

$$SGPA = \frac{\sum Grade\ Points\ Earned\ imes\ Credits\ for\ each\ course}{Total\ Credits}$$

For Example: suppose in a given semester a student has registered for five courses having credits C1, C2, C3, C4, C5 and his / her grade points in those courses are G1, G2, G3, G4, G5 respectively.

Then students

$$SGPA = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

SGPA is calculated up to two decimal places by rounding off.

7.2 Course Grade Point Average (CGPA)- The CGPA is the weighted average of the grade points obtained in all the courses (Theory/term work/practical/oral/presentation) of first semester to sixth semester for the students admitted in the First year and third to sixth semester for the students directly admitted at Second year. It is calculated in the same manner as the SGPA.

In case of a student passing a failed course or in case of improvement, the earlier grade would be replaced by the new grade in calculation of the SGPA and CGPA.

8. RESULT:

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Based on the performance of the student in the semester examinations, the Savitribai Phule Pune University will declare the results and issue the Semester Grade sheets.

The class shall be awarded to a student on the CGPA calculated as mentioned in Rule no. 6.1. The award of the class shall be as per Table 5. and corresponding percentage calculation for the CGPA is given in Table 6. along with all details and examples.



Table 5
CGPA distribution and corresponding class of the degree awarded

Sr. No	CGPA	Class of the Degree awarded
×1 8	9.50 or More than 9.50	Outstanding (O)
2	8.50 or more but less than 9.50	Excellent (A+)
3	7.50 or more but less than 8.50	Very Good (A)
4	6.25 or more but less than 7.50 Good (B+)	
5	5.25 or more but less than 6.25	Above Average (B)
6	4.75 or more but less than 5.25	Average (C)
7	4.00 or more but less than 4.75	Pass (D)

Table 6

Percentage calculation of a corresponding CGPA

For the calculation of Percentage from CGPA following equation can be used.

% of Marks =
$$\begin{cases} if \ O \ grade \ then \ 20 \times CGPA - 100 \\ if \ A + \ grade \ then \ 10 \times CGPA - 5 \\ if \ A \ grade \ then \ 10 \times CGPA - 20 \\ if \ B + \ grade \ then \ 12 \times CGPA + 23.75 \\ if \ C \ grade \ then \ 10 \times CGPA - 2.50 \\ if \ D \ grade \ then \ 6.6 \times CGPA + 13.65 \end{cases}$$

The factor considered in the above equations are evaluated from the grade point and marks distribution given in Table 3. The examples of the calculation of percentage are given in the Table 7.

<u>Table 7</u>
Some examples of CGPA to percentage calculations

Obtained CGPA	Equation	Percentage (%)	Grade	
10	20×10-100=100	100	0	
9.75	20×9.75-100=95	95		
9.5	20×9.5-100=90	90	0	
9.0	10×9-5=85	85	A+	
8.0	10×8.0-5=75	75	A	
7.0	12x7.0-20=64	64	B+	
6.67	12x6.67-20=60.04	60.04	B+	
6.25	12x6.25-20=55	55	B+	
5.25	5x5.25+23.75=50	50	В	
4.75	10x4.75-2.50=45	45	C	
4.0	6.6x4.0+13.6=40	40	$\overline{\mathbf{p}}$	

While declaring the result, the existing relevant ordinances are applicable. There is also a provision for verification and revaluation. In case of verification, the existing rules will be applicable. The revaluation result will be adopted if there is a change of at least 10% marks and in the grade of the course.

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For grade improvement a student will have to take minimum 30% of the requisite number of credits for the concerned degree. These courses will be theory courses from the parent department. Grade improvement programme will be implemented at the end of the academic year. A student can opt for the grade improvement programme only after the declaration of the result for his/her final semester exam, i.e., at the end of the next academic year after passing the final examination and within two years of completion of the degree and only once.

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College Name: Vishwalata Arts, Science and Commerce college

Challan No:15360003048

Challan Total Amount: 66668.00

Academic Year: 2015-2016

2015-2016

Challan Date :19 Oct 2015

Bank Name: STATE BANK OF HYDERABAD

	- BESTELL	TO SAN THE STATE OF THE STATE O	the party of the last of the l	ission Section			
Course Name	Prof /Non- Prof	Course Level	Total Student	Devlopment Fund	Computer Fees	Registration Fees	Total
B,B,A.	Professio nal Course	Graduate	9	450.00	180.00	0.00	630.00
B.B.A.	Professio nal Course	Graduate	12	600.00	240.00	0.00	840.00
B.B.A.	Professio nal Course	Graduate	15	750.00	300.00	0.00	
B.B.A.(International Business)	Professio nal Course	Graduate	3	150.00	60.00	0.00	
B.B.A.(International Business)	Professio nal Course	Graduate	6	300.00	120.00	,	
B.B.A.(International Business)	Professio nal Course	Graduate	79	3950.00	1580.00	0.00	5530.00
B.B.A. (Computer Application)	Professio nal Course	Graduate	38	1900.00	760.00	0.00	2660.00
B.B.A. (Computer Application)	Professio nal Course	Graduate	44	2200.00	880.00	0.00	3080.00
B.B.A. (Computer Application)	Professio nal Course	Graduate	46	2300.00	920.00	0.00	3220.00
B.Com.	Non Professio nal Course	Graduate	3	75.00	15.00	0.0	90.00
B.Com.	Non Professio nal Course	Graduate	36	900.00	180.00	0.0	0 1080.00
B.Com.	Non Professio nal Course	Graduate	51	1275.00	255.0	0.0	1530.00
B.Sc. Computer Science	Professio nal Course	Graduate	11	550.00	220.0	0.0	770.00
B.Sc. Computer Science	Professio nal Course	Graduate	23	1150.00	460.0	o sammerce of	1610.00
B.Sc. Computer Science	Professio nal Course	Graduate	26	1300.00	520.0	OF Shakean	1820.00





College Name: Vishwalata Arts, Science and Commerce college

Challan No:15360003048

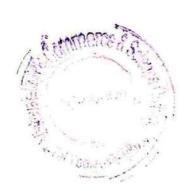
Challan Date :19 Oct 2015

Challan Total Amount: 66668.00

Bank Name:STATE BANK OF HYDERABAD

Academic Year: 2015-2016

Total Admission Amount 24540.0000







Vishwalata Arts, Commerce & Science College

(College Code: 892)

BHATGAON, Tal. Yeola - 423 401 Dist. Nashik ■ Hello: (02559) 225102, Fax: 225103

Ref. No.

Date:

Clarifications No. 1.2.1

Percentage of programs in which Choice Based Credit System (CBCS)/ elective course system has been implemented.

1.2.1.1. Number of Programs in which CBCS/ Elective course system implemented.

Query No 4:- Please provide structure of the program clearly indicating the course, credit/Elective as approved by competent board.

Clarification:- We are presenting the structure of programs clearly indicating course, credit / elective system program design as approved by competent board.

- 1. B.Com
- 2. B.B.A.
- 3. B.Sc. (Computer Science)

Bhatgaor

* Tal Yeola (Nash

- 4. B.C.A
- 5. B.B.A.(I.B.)
- 6. B.Sc.- (Chemistry, Mathematics, Physics, Electronics, Geography)
- 7. M.Com
- 8. M.Sc.(Comp. Sci.)

Vishwalata Arts Commerce & Science College Bhatgaor Tal. Yeola Dist-Nashik

Savitribai Phule Pune University Faculty of Commerce & Management

Structure for Three - Year

B.Com. Degree course (Choice Based Credit System)

(2019 Pattern)

With effect from June 2019

Preamble:-

Commerce education is that area of education, which develops the required knowledge, skills and attitudes for the handling of Trade, Commerce and Industry. Commerce education is entirely different from other disciplines. Hence, it must charter Course routes to service the aspirations of the nation. To meet the growing needs of the business society, there is greater demand for sound development of commerce education. The relevance of commerce education has become more imperative, this means a marked change in the way commerce and management education is perceived in India. The Commerce education is dedicated to developing tomorrow's leaders, managers, and professionals.

The existing education system of imparting commerce education needs to be more dynamic to incorporate all local and global changes in the field of trade and commerce. The curriculum needs to be restructured accordingly. The learning inputs are required to be more update, skill based and with appropriate applications. This will be achieved through the introduction of Choice based Credit System at undergraduate level.

The choice based credit system offers a cafeteria approach where the students have the liberty to choose courses of their own choice. The credit system allows students to opt for additional courses where he /she can score more than the required credits. The system will focus on student centric learning methods, which include use of Information and Communication Technology, innovative methods of teaching and learning and emphasis on industry interaction to enable the learners to take up professional challenges more effectively.

1. INTRODUCTION

The B.Com Degree Course (2019 pattern) will be introduced in the following order:

Yeola (Nashik

a. First Year B.Com.

b. Second Year B.Com

c. Third Year B.Com

2019, 2020

2020-2021

Bhatq2821-2022

Vishwafata Arts Commerce Vishwafata Arts Commerce 3 Science College Bhatgaon Tal Yeola Dist-Nashik The B.Com. Degree Course will consist of six semesters divided into three Years.

The first year (Semester I and II) choice based credit system examination will be held at the end of the each semester.

The Second Year (Semester III and IV) and Third Year (Semester V and VI) choice based credit system examination will be held at the end of each semester.

2. ELIGIBILITY

- a) No Candidates shall be admitted to the First Year of the B.Com. Degree Course (2019 pattern) unless he/she has passed the Higher Secondary School Certificate Examination of the Maharashtra State Board of Higher Secondary Education Board or equivalent or University with English as a passing Course.
- b) No candidate shall be admitted to the Third Semester examination of the second year unless he/ she has cleared first two semesters satisfactorily for the course at the college affiliated to this University.
- c) No candidate shall be admitted to the Third Year B.Com. (Fifth semester) Degree Course (2019 pattern) unless he/she has cleared all the papers of first and second semester Examination of F.Y. B.Com. and has satisfactorily kept terms for the second year (Third and Fourth Semester) and also fifth semester for the third year of B.Com) satisfactorily in a college affiliated to this University.

3. A.T.K.T. Rules:

- If a candidate fails in all the courses (subject heads) of passing of semester I shall be allowed to proceed semester II. However, a student who fails in four theory courses and two practical courses at semester I and II taken together may be admitted to semester III & IV.
- If a candidate fails in all the courses (subject heads) of passing of semester IIIs shall be allowed to proceed to semester IV.
- If a candidate fails in all the courses (subject heads) of passing of semester V shall be allowed to proceed to semester VI. However, a student who fails in four theory courses and two practical courses at semester III and IV taken together may be admitted to semester V & VI.
- No candidate shall be allowed to proceed to semester V unless the candidate has cleared semester I & II in all courses (Subjects).
- ATKT rules are applicable for 2nd and 4th semester.

4. COURSES CARRYING PRACTICALS

- a) Each practical course will be of one credit.
- b) There will be practical and practical examination for semester I and II of the F.Y.B.Com. For the Course Financial Accounting.
- c) There will be practical and practical examinations for the special Courses (Discipline Special Elective) of S.Y.B.Com. (Semester III and IV) and of T.Y.B.Com. (Semester V & VI)
- d) There will be Practical for the S.Y.B.Com level Compulsory Course Business Communication (Semester III and IV) & for T.Y.B.Com Auditing and Taxation (Semester V) & (Semester VI)
- e) A Student must offer the same Special Course at T.Y.B.Com. (Semester V & VI) which he / she has offered at S.Y.B.Com. (Semester III and IV)
- f) In an exceptional case, a student may change the Course chosen by him at third and fourth semester of second year during the first semester of the third year provided he keeps the additional terms of the Course at S.Y.B.Com.

Course having practical examination:-

Semeste	er_	Type of Course	Name of Practical Course	Course Code
_ I		Core Course	Financial Accounting – I	PR - 112
II		Core Course	Financial Accounting – II	PR - 122
III	1 -	Core Course	Business Communication – I	PR - 231
III		Discipline Specific	Special Course Paper (I)	PR- 236
		Elective	a) Business Administration	110 200
	-		b) Banking and Finance	
-			c) Business Law and practices	T
			d) Cooperation and Rural	
V		-	Development	
			e) Cost and Works Accounting	
	-		f) Business Statistics	,0
G.			g) Business Entrepreneurship	* *
-		4 1 4	h) - Marketing Management	e x e ai
*			i) Agricultural and Industrial	
	1		Economics	
			j) Defence Budgeting, Finance and	
		* (Management	· • • •
		i ji lawaya	k) Insurance, Transport and Tourism	
		* 1	- I) Computer Programming and	HYPON AND
-	_		Application -	
IV		Core Course	Business Communication – II	PR- 241
IV		Discipline Specific	Special Course Paper (I)	
		Elective -	a) Business Administration	PR- 246
		L.	b) Banking and Finance	
			c) Business Law and practices	********
		# 4	d) Cooperation and Rural	. ",8
		* * * * * * * * * * * * * * * * * * *	Development	_
		ية في	e) Cost and Works Accounting	
	III.		f) Business Statistics	

	i i				g extension	· · · · ·
					1 · · · · · · · · · · · · · · · · · · ·	415000
				g) Business Entrepreneurship		
ř	1		2.5 L	h) Marketing Management i) Agricultural and Industrial		- 1
				Economics		100
				j) Defence Budgeting, Finance and		- 13
	1 -			Management	* 101	- "
	1			k) Insurance, Transport and Tourism	11 41	200
				al) Computer Programming and		
			· ·	Application	DD 254	
	V		Core Course	Auditing & Taxation – I	PR- 354	1
	_ V	ñ	Discipline Specifi	Special Course Paper (II)	PR- 355	- 11
	-		Elective	a) Business Administration b) Banking and Finance		- + ×
			. ₹	c) Business Law and practices		
			77	d) Cooperation and Rural	1 1 10 10 10 10 10 10 10 10 10 10 10 10	1,71,130
				Development	্ৰ ক শ্ৰী	. 3.7
			1 =	e) Cost and Works Accounting	**	11.
				f) Business Statistics		ar b _a c
	la.			g) Business Entrepreneurship	14	111 (4 - 5)
1				h) Marketing Management		
ı				i) Agricultural and Industrial Economics	3 a ne c 3,505	y 15 2 - 2 1
				j) Defence Budgeting, Finance and		· ·
			, T.	Management		
1				k) Insurance, Transport and Tourism	1 -	
			나라 선택하는 최	= I) = Computer Programming and		
L	4	==		- Application		
	V		Discipline Specific	Special Course Paper (III)	PR- 356	
			Elective =	a) Business Administration	· · · · · · · · · · · · · · · · · · ·	1 12 ,
			7.	b) Banking and Finance	1 2 2	
l			<u> </u>	c) Business Law and practices	xe) =	- 1.1
			- 13 - 43	d) Cooperation and Rural Development	* *	, "AX
1	- 1			e) Cost and Works Accounting	τ:	
	-	-		f) Business Statistics		
			*_	g) Business Entrepreneurship		
				h) Marketing Management	-	1
				i) Agricultural and Industrial		
				Economics		on a
			रह के का ^{कि} ं काओं	j) Defence Budgeting, Finance and		
		2		Management k) Insurance, Transport and Tourism		
				k) Insurance, Transport and Tourism One of the computer Programming and		
				Application Application		
-	VI		Core Course	Auditing & Taxation – II	PR- 364	V /
-	VI	\dashv	Discipline Specific	Special Course Paper (II)	PR- 365	F1 F
			Elective	a) Business Administration		34
		= 1		-b) Banking and Finance		¥ ×
		-		c) Business Law and practices	1	
				d) Cooperation and Rural		
	4	الب		Development	***	```\
					****5	-1 - 1"
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	E 8 9		e) Cost and Works Accounting	
	· .		f) Business Statistics	
	1	~	g) Business Entrepreneurship	
		AV Financia	= h) Marketing Management	
	25		i) Agricultural and Industrial	* * * * * * * * * * * * * * * * * * *
	-		Economics	4-1
			j) Defence Budgeting, Finance and	The state of
-	5.77		Management	
			k) Insurance, Transport and Tourism	
1		and the same of th	= 1) Computer Programming and	5
			Togramming and	
ŀ			Application	-4
	VI	Discipline Speci	fic Special Course Paper (III)	DD 266
		Elective	a) Business Administration	PR- 366
		-	b) Banking and Finance	
			c) Business Law and practices	
			d) Cooperation and Rural	
			= Development	
-			e) Cost and Works Accounting	1 may 2
		1 11 =	f) Business Statistics	T T
- 27	şĒ		g) Business Entrepreneurship	
			h) Marketing Management	
			= i) = Agricultural and Industrial	
			Economics	
			j) Defence Budgeting, Finance and	
	-		Management	771
			k) Incurance Transport	
1 -			k) Insurance, Transport and Tourism	دو محمد به دخم
			Computer Programming and Application	
			= Application	

5. MEDIUM OF INSTRUCTION

The medium of instruction for B.Com. Degree course shall be either Marathi or English except languages. The Medium of instructions for Business Communication (S:Y.B.Com) shall be English only.

6. UNIVERSITY TERMS

The dates for the commencement and conclusion of the first and the second terms shall be as determined by the University Authorities. Only duly admitted students can keep the terms. The present relevant ordinances pertaining to grant of terms will be applicable.

7. VERIFICATION AND REVALUATION

The candidate may apply for verification and revaluation or result through Principal of the College which will be done by the University as per ordinance framed in that behalf.

12. RESTRUCTURING OF COURSES – EQUIVALENCE AND TRANSITORY PROVISION:

The University will conduct examination of old course (2013 Pattern) for next three academic years from the date of implementation of course.

The candidate of old course will be given three chances to clear his/her Courses as per the old course (2013 Pattern) and thereafter he/she will have to appear for the Courses as per the equivalence given to old course (2013 Pattern).

13. SCHEMES OF CREDITS -

Total credits for three year integrated B.Com. Course is as follows:-

Sr. No.	Semester No	No. of courses	Lecture Hours	Credit per course	Credit for practical courses_	Add on course credit (*)	Lectures + Practical + add on courses= Total Credits
1	_ I	7	. 48	3 💤	1	1	21 +2 =23
. 2	n i	7	48	3	1 =	- 1	<u>2</u> 1 +2 =23
3	III	6 =	48	_3 =	2	0	18+2 =20
4	IV	6 =	48	3	2	2	18+2+2 =22
5	V	6 - 5	48	3	3	0	18+3=21
6	· · · · VI	6	- 48	3.=	3	-2	18+3+2 =23
	Tota	l No. of cred	lits				132

Suggested Add On courses (*)

Sr. No.	Add on course	Class	Semester	Credit
1.	Value added course - I	F.Y.B.Com.	I	1
2.	Value added course – II	F.Y.B.Com.	II	1
3.	Environment Awareness	S.Y.B.Com.	IV	2
4.	Specific Add - on Course related to specialized Course/ Internship	T.Y.B.Com.	VI	2
~	Total	# /		6

Revised structure of Choice Based Credit System Course First Year B. Com. Semester – I w.e.f. 2019- 20

Course	Course / Title of Paper	Course	No. of	No of	Internal		versity ssment	Total	Duration of Theory Examination
No.			lectures (Per Week)	Credits	Assessment	Univ. Exam	Practical Exam	Marks	
111	Compulsory English- I	Ability Enhancement Compulsory Course	4	3	30	70	-	100	3 Hours
112	Financial Accounting - I	Core Course	4	4	30	50	20	100	3 Hours
113	Business Economics- I	Core Course	4	3	30	70	-	100	3 Hours
114 (A) 114 (B)	Business Mathematics and Statistics - 1 OR Computer Concepts and Application- I	Core Course	4	3	30	70	-	100	3 Hours
115	Optional Group. (A) (Any one of the Following) a) Organization Skill Development b) Banking and finance c) Commercial Geography d) Defence Organization and Management in India e) Cooperation f) Managerial Economics	Generic Elective Course	4	3	30	70	-	100	3 Hours



Frincipal Principal

Vishwalata Arth Commonder Science Commonder Tal Yeola Olse Grands First Year B. Com. Structure of the Syllabus w.e.f. 2019- 20

Semester - II

			No. of lectures	No. of	Internal		versity essment	Total	Duration of
Course No.	Course / Title of Paper	Course	(Per Week)	Credits	Assessment	Univ. Exam	Practical Exam	Marks	Theory Examination
121	Compulsory English- Il	Ability Enhancement Compulsory Course	4	3	30	70	-	100	3 Hours
122	Financial Accounting - II	Core Course	4	4	30	50	20	100	3 Hours
123	Business Economics- II	Core Course	4	3	30	70	-	100	3 Hours
124(A) 124(B)	Business Mathematics and Statistics - II OR Computer Concepts and Application- II	Core Course	4	3	30	70	- 7	100	3 Hours
125	Optional Group. – (A) (Any one of the Following) a) Organization Skill Development b) Banking and finance c) Commercial Geography d) Defence Organization and Management in India e) Cooperation f) Managerial Economics	Generic Elective Course	4	3	30	70	-	100	3 Hours

Page 11

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Vishwalata Arca Commerce Science College, Bhatgaon Yal Yeola Dist Nashik

SAVITRIBAT PHULE PUNE UNIVERSITY

DENJEED BRA PROGRAMME STRUCTURE CBCS 2019 PATTERN

BACHELOR OF BUSINESS ADMINISTRATION (BBA)

THREE YEAR FULL TIME COURSE

BBA I YEAR CURRICULUM APPLICABLE W.E.F. AY 2019-20
BBA II YEAR CURRICULUM APPLICABLE W.E.F. AY 2020-21
BBA III YEAR CURRICULUM APPLICABLE W.E.F. AY 2021-22

BBA PROGRAMME CONTENT

- 1. PREAMBLE
- 2. Objectives Of The Programme
- 3. Introduction To The Programme.
- 4. Eligibility
- 5. Duration Of The Programme
- 6. Highlights Of The New Curriculum
- 7. Choice Based Credit System (CBCS)
- 8. Additional Credits
- 9. Guidelines For Successful Implementation Of CBCS
- 10. Teaching Instructions
- 11. Equivalence, Transitory Provision, Transcript And Standard Of Passing
- 12. Details On Course Content
- 13. List Of The Courses =
- 14. Annexure (I) Course Content
- 15. Annexure(II) Contents Of Skill-Based Courses
- 16. Acknowledement

SPPU / BBA - PROGRAMME STRUCTURIZEDES / 2019 PATTERN - Updated On 15/5/2020

Bhatgaon

Vishwalata

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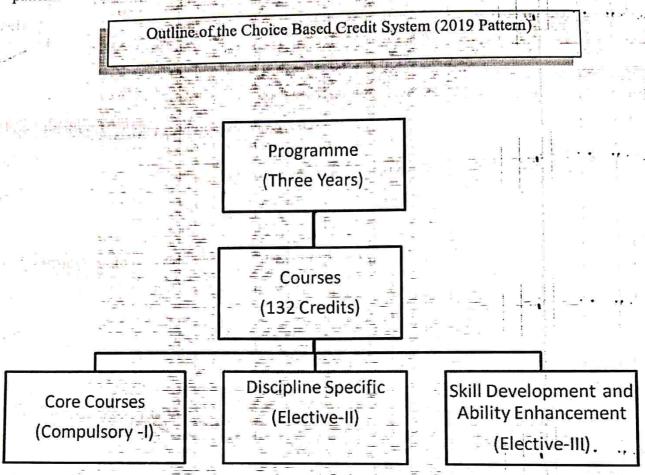
Tal. Yeola

Vishwalata Arts Commerce

Science College Bhatgaor.

Tal. Yeola Dist-Nashik





- 7.3 I. Core Course: Core courses are the foundation courses of management education. They are compulsory for all the students. Core courses are of two types: Generic Core and Subject Core.
- 1. Generic Core (GC): This is the course which is mandatory and has to be studied by the student as a core part to fullfill the requirements of a degree in the said discipline of study. Therefore, Generic Core courses are mandatory and fundamental in nature. These courses cannot be substituted by any other courses. Such courses are also known as Hard Core Courses. Generic Core courses in Semester I and II provide foundations of Management and Admistration. Generic Core courses in Semester III and IV focus on Functional Areas whereas, Generic Core courses in the Semester V and VI are integrative and provide insights about different fields of business.

2. Subject Core (SC): These are also known as Soft Core Courses. These may be subject-specific/specialized/advanced/supportive to the discipline subject of study, which provides an extended scope and enable exposure to some other disciplines that help in nurturing the candidate's proficiency, domain knowledge, skills, etc. Practical /Tutorial work is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation, which will help the students to understand core subject in better manner.

7.4 II. Elective Courses:

1. Discipline Specific Elective (DSE) Course: Elective course is a course which can be chosen from a pool of courses. Elective Courses which may be offered by the main discipline/subject of study is referred as Discipline Specific Elective. DSE Courses develop generic proficiencies amongst the students.

The Institute has the flexibility to offer courses based on Targeted Industry Linkages – sectoral requirements and networking at the college level. A student can select any one specialization from the five areas which are mentioned below. The student will study eight (8) courses in second and third year. DSE courses helps to develop discipline/domain knowledge and nurture candidate's proficiency/skill.

Bachelor of Business Administration Degree offers the following Electives

- A) Marketing Management (MM)
- B) Financial Management (FM)
- C) Human Resources Management (HRM)
- D) Services Management (SM)
- E) Agri Business Management (ABM)

Dissertation/Project for DSE courses: An elective course designed to acquire special/advanced knowledge, as a supplement study/support study to a project work, with an advisory support of a teacher/faculty member is called dissertation/project.

7.5 III.A. Skill Enhancement Courses (SEC): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based instructions. Open Course contents are mentioned in Annexure II.

11 Scheme of Credits - CC- Core Course, DSE - Discipline Specific elective, CCT- Core Course Tutorials, AECC - Ability Enhancement Courses.

Total - 132 Credits for Three years Programme

Sr. No.	Semester	CC – Credit	DSE _ credit	CCT- Credit	AECC- credit	SEC- Credit	Lectures + Projectado on courses
# # 1	1 + 3	12	ph. h	8	- 1 1		Total Credits,
3.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1" 12 jj 1-j	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,8 1,	10 pt 1		12+8 +2=22
5	Veril effect	12 12	10	P	ii: 2 ,ii; ii	1. 2 (1.1.	12+8 +2=22
6 Total	. VI	72	10 1	16	2 ·	1	12+10=22 12+10=22 72+36+16+2+6=132

⁻ Discipline Specific Elective (DSE) - Specialization - 1. Marketing , 2. Finance , 3. Human Resource 4. Services

12 . Skill Enhancement Course (30 hours) Add on courses - Per year students must complete one add on course of 30 hours per

Bhatgaor

a Pecia (Nashir

F.Y.B.B.A.-Updated Programme Structure CBCS-Pattern 2019

Group l	Course Details Generic Core (GC) and Subject (Compulsory)	Internal Eval	External Evaluatio n			
Course Code	Course Title	Credits	Core Course	Concurrent Evaluation	Tutorial /Practical	SPPU Evaluatio n
-	First Year Semester I					
101	Principles of Management	3	GC	30	•	70
102	Business Communication	4	. sc	30	20	50
103	Skills Business Accounting	3	GC	30	-	70
104	Business Economics – Micro	3	GC	30	-	70
105	Business Mathematics	3	GC	30	-	70

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Principal

Vishwalata Art Commerce Science Company Enatgs in Tal Yeola Dist Nashik

106	Business Demography	4	SC	30	20	50	
			-				
	Total Credits for the	20					_
	Semester 1 GC (12)+SC(8)=20						
	First Year Semester II	First Year Semester II					
201	Basics of cost accounting	3	GC	30		70	
202	Origin and Development of Global Business	4	SC	30	20	50	
203	Commercial Geography	3	GC	30	-	70	
204	Principles of Marketing	3	GC	30	-	70	
205	Business Statistics	3	GC	30	-	70	
206	Fundamentals of computers	4	SC	30	20	50	
_	Credits for the semester II	20					-
	GC (12)+SC(8) =20					1	_



Vishwalatt Arts Com merce Science College, Energaon Tal Veola Dist Nachik



Savitribai Phule Pune University

(Formerly University of Pune)

Three-Year B.Sc. Degree Program in Computer Science

(Faculty of Science & Technology)

F.Y.B.Sc. (Computer Science)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020

Savitribai Phule Pune University

Collago (nostitella)

Vishvalata Arts Commerce & Science College Bhatgaor Tal Yeola Dist-Nashik

Titles of Papers, Credit Allocation and Scheme of Evaluation

Semester I (Total credits=22)

Course type	1-	Paper title	Cre	dits	F	Evalua	tion
	Code		Т	P	CA	UA	TOTAL
	.0	Problem Solving using Computer and 'C' Programming	2		15	35	50
CC-I	CS-112	Database Management Systems	2		15	35	50
	CS-113	Practical course based on CS101 and CS102	-	1.5	15'	35	50
CC-II*		Mathematics – I, II and III					
CC-III*	RML	Electronics - I,II and III	÷ 1,,				
CC-IV*		Statistics – I, II and III					

Semester II (Total credits=22)

Course typ		Paper title		dits	Evaluation			
Į.	Code		T	P	CA	UA	TOTAL	
	CS-121	Advanced 'C' Programming	2		15	35	50	
CC-V	* <u>_</u>	Relational Database Management Systems	2	-	15.	35 •	-50	
A 1	CS-123	Practical course based on CS201 and CS202		1.5	15	35	50	
CC-VI*		Mathematics – I,II and III						
CC-VII*		Electronics – I,-II and III						
CC-VIII*	-	Statistics – I,II and III	٠.		-			

CBCS: 2019-2020

S. Y.B. Sc.(Computer Science) Semester III (Total credits=22)

Course typ	e Paper	Paper title		Credits		Evaluation			
1	Code		T	P	CA	UA	TOTAL		
-	CS-231	Data-Structures and Algorithms - I	2		15	35	50		
CC-IX	CS-232-	Software Engineering	2		15	35	50		
	CS-233	Practical course based on CS301		2	15,	35	50		
CC-X*	-	Mathematics - I, II and III		_					
CC-XI*	-	Electronics – I,II and III							
AECC-I*		Environment Science – I	2						
AECC-II*	F : =	Language Communication - I	2		-				

Semester IV (Total credits=22)

Course type	Paper Code			Credits		Evaluation		
	Couc_		T	P	CA	UA	TOTAL	
		Data Structures and Algorithms - II	- 2	-	15	35	50	
	CS-242 ⁻	Computer Networks - I	2		15	35	50	
	CS-243	Practical course based on CS401		2	15	35	50	
CC-XIII*		Mathematics – I,II and III			10	- 33	30	
CC-XIV*		Electronics – I, II and III	-		-			
AECC-III*		Environment Science – I	2 -	=				
AECC-IV*		Language Communication – I	2					

T. Y. B. Sc.(Computer Science)
Semester V (Total credits=22)

Course type	Paper	Paper title	Cre	dits	I	Evalua	tion
-	Code		T	P	CA	UA	TOTAL
	CS-351	Operating Systems - I	2		15.	35	.,50
	CS-352	Computer Networks - II	2		15	35	50
	CS-357	Practical course based on CS501		2	15	35	50
	CS-353	Web Technologies - I	2				
DSEC - II	CS-354	Foundations of Data Science	2				
	CS-358	Practical course based on CS503		2			
	CS-355	Object Oriented Programming - I (Core Java)	2		1		
DSEC - III		Theoretical Computer Science and Compiler Construction - I	2				
	CS-359	Practical Course based on CS505		- 2	-		
		Python Programming / R Programming	1	1	15	35	50
ECC - II	CS-3511	Open Elective	1	1	15	35	50

Semester VI (Total credits=22)

Course typ	e Paper Code	Paper title	Cre	dits	I	Evalua	tion
		h sa T	T	P	CA	UA	TOTAL
	CS-361	Operating Systems - II	2		15	35	50
DSEC - IV	CS-362	Software Testing	2		15	35	50
	CS-367	Practical course based on CS601		- 2	15	35	50
	CS-363	Web Technologies - II	2		W27.291		
DSEC - V	CS-364	Data Analytics_	2			-	
	CS-368	Practical course based on CS603 and CS604		2			**
	9.5	Object Oriented Programming - II (Advanced Java)	2				
DSEC - VI		Theoretical Computer Science and Compiler Construction - II	2				
	CS-369	Practical Course based on CS605		2			
	2.	Mobile Application Development OR Software Testing Tools	1	1	15.	35 .	· '50 · ·
ECC - IV	CS-3611	Project OR Open Elective	1	1	15	35	50

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020

F.Y.B.Sc. (Computer Science)

Sem I

Course type	Paper	Paper title	Credits		Evaluation			
	Code		.1.	Р	CA	UA	TOTAL	
	CS-111	Problem Solving using Computer and 'C' Programming	2		15	35	50	
CC-I	CS-112	Database Management Systems	2		15	35	50	
	CS-113	Practical course based on CS101 and CS102		1,5	15	35	50	
CC-11*		Mathematics - I, II and III						
CC-III*	-	Electronics - I,II and III						
CC-IV*		Statistics – I, II and III	T					

Sem II

Course type		Paper title	Cre	dits	Evaluation			
	Code		T	P	CA	UA	TOTAL	
CC-V	CS-121	Advanced 'C' Programming	2		15	35	50	
	CS-122	Relational Database Management Systems	2		15	35	50	
	CS-123	Practical course based on CS201 and CS202		1.5	15	35	50	
CC-VI*		Mathematics - I,II and III	1					
CC-VII*		Electronics - I, II and III	 					
CC-VIII*		Statistics - I,II and III						

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Principal
Vishwelate Commerce
Science Comege, Smatgain
Tal Veela Dist Nashik

Savitribai Phule Pune University, Pune

Bachelor of Business Administration (Computer Application)

BBA(CA)

(Under faculty of Commerce & Management)

(To be implemented from Academic year 2019-20)

1. Name of Programme: Bachelor of Business Administration (Computer Application)

2. Introduction:

The degree shall be titled as Bachelor of Business Administration (B.B.A.)(Computer Application) under the Faculty of Commerce and Management. First Year B.B.A.(CA) choice based credit system is implemented w.e.f. the academic year 2019-2020, Second Year B.B.A.(CA) II will be implement w.e.f. 2020-2021 and Third Year B.B.A.(CA) III w.e.f. 2021-2022

3. Programme Objectives:

- To produce skill oriented human resource.
- To import practical skills among students.
- To make industry ready resource.
- To bring the spirit of entrepreneurship.

4. Programme Structure:

- The Programme is of a Three Year (Six semesters) Full Time Degree Programme.
- The programme shall be based on credit system comprising 132 credits.

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Vishwalata Arts Commerce
& Science College Bhatgaor
Tal. Yeola Dist-Nashik

10. Restructuring of courses - Equivalence and Transitory Provision

The University will conduct examination of old course for next three academic years from the date of implementation of new course.

The candidate of old course will be given three chances to clear his subjects as per the old course and thereafter he will have to appear for the subjects under new course as per the equivalence given to old course.

11. Completion of Degree Programme:

A student who earns 132 credits, shall be considered to have completed the requirements of the B.B.A.(CA) degree program and CGPA will be calculated for such student.

12. Credit Allocation

CC-Core Course, EC-Elective Course, PR-Practical, PJ-Project,
AECC-Ability Enhancement Compulsory Courses, SEC-Skill Enhancement
Courses.

Total - 132 Credits for Three years Programme

Sr.	Sem	CC	EC	PR	PJ_	AEC	SEC -	Lectures + Project +add on
No.	este	Credit	Credi	_Cre	-Cred	- <u>C</u> -	Credi	courses= Total Credits
S	r		t== .	dit-	it -	credit	t	#-
1	1	15-		4	. 1		2	15+4+2 =21
2	II	15		4			2	15 +4 +2=21
3	III	9	6	6-		2		9+6+6+2=23
4	IV -	9	3_	4-	4	7.00	2	9+3+4+4+2=22
5	V	9	3	4	4		2	9+3+4+4+2=22
6	VI	10	3	4	4		2	10+3+4+4+2=23
Total		67	15	26	-			1013147472=23
		07	15	26	12	2	10	67+15+26+12+2+10=132

Titles of Papers and scheme of study for B.B.A. (C.A) Programme. (To be implemented from Academic year 2019-20

Sem I

Subject	Subject Name	Course	Credits		
Code			Th	Pr	
CA-101	Business Communication	CC	3	1	
CA-102	Principles of Management	CC	3		
CA-103	C Language	CC	3		
CA-104	Database Management System	CC	3		
CA-105	Statistics	CC	3		
CA-106	Computer Laboratory Based on 103 &104 (2 credits each)	PR		4	
107	Add-On (PPA) (30 Hours)	SEC	2	1	

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Vishwalata Arts Commerce
Science College, Dhatga in
Tal Yeola Dist Nashik

Sem II

Subject	Subject Name	Course	Credits		
Code			Τh	Pr	
CA-201	Organization Behavior & Human Resource Management	CC	3		
CA-202	Financial Accounting	CC	3	+	
CA-203	Business Mathematics	CC	3	+	
CA-204	Relational database	CC	3	+	
CA-205	Web Technology HTML-JS-CSS	CC	3	+	
CA-206	Computer Laboratory Based on 204 & 205(2 credits each)	PR		4	
207	Add-On (Advance C) (30 Hours)	SEC	2	1_	

Tol Yeola(Nashin

Principal
Vishwalata Arts Commerce
Science College, Bhatgaon
Tal Yeola Dist Nashik

SAVITRIBAI PHULE PUNE UNIVERSITY

REVISED BBA IB PROGRAMME STRUCTURE CBCS 2019 PATTERN

BACHELOR OF BUSINESS ADMINISTRATION-INTERNATIONAL BUSINESS (BBA-IB)

THREE YEAR FULL TIME COURSE

BBA IB I YEAR CURRICULUM APPLICABLE W.E.F. AY 2019-20

BBA IB II YEAR CURRICULUM APPLICABLE W.E.F. AY 2020-21

BBA IB III YEAR CURRICULUM APPLICABLE W.E.F. AY 2021-22

BBA IB PROGRAMME CONTENT

- 1. PREAMBLE
- 2. Objectives of the Programme
- 3. Introduction to the Programme
- 4. Eligibility
- 5. Duration of the Programme
- 6. Highlights of the New Curriculum
- 7. Choice Based Credit-System (CBCS)
- 8. Additional Credits
- 9. Guidelines for Successful Implementation of CBCS
- 10. Teaching Instructions
- 11. Equivalence, Transitory Provision, Transcript and Standard of Passing
- 12. Details on Course Content
- 13. List of the Courses
- 14. Annexure (I) Course Content
- 15. Annexure (II) Contents of Skill-Based Courses
- 16. Acknowledgement

Art's Commercia Science Onatogo Commercia de Science Onatogo Commercia de

Vishwalata Arts Commerce & Science College Bhatgaor Tal. Yeola Dist-Nashik Services Management and Human Resource Management. The students will select Part (I) and Advanced Part (II) of the same course. They will have to complete the exposure and project work as applicable to the course.

3. Skill Courses (SEC & AECC)—The list of 16 Skill Enhancement Courses is provided. The college can select courses as mentioned in the structure to suit the requirements of the students. Each course will carry 2 credits having duration of 30 hours. The courses mentioned in the list will be updated as per the requirements of the business environment. The Board of Studies will make the necessary changes in the list as per the changing requirements of the Economy, Environment and society. These courses can also be replaced by approved online courses. It is mandatory for every Institute to conduct the Compulsory Ability Enhancement Course in Semester III. The Institute can select basic or advanced courses.

12. List of Courses Offered

BBA IB -Bachelor of Business Administration –International Business Updated Programme Structure CBCS - Pattern 2019

FYBBA IB

Group	Course Details		-	Internal Evalu	ation	External
I	Generic Core (GC) and Subject	Core (SC)			-	Evaluatio
		core (BC)	<u>.</u>	4 51		n
	(Compulsory)	-	F:			જ મુખ્યત્વે :
Course	Course Title	Credits =	Core	Concurrent	Tutorial	SPPU
Code		_4_4	Course	Evaluation	/Practical	Evaluatio
		· i * -	-			n 1 113
	First Year Semester I		1			
101	Principles of Management	3	GC	30	2	70
102	Business Communication Skills	4	SC	30	20	50
103	Business Accounting	3-	GC	30		70
104	Business Economics – Micro	3	GC	30	-	70
105	Business Mathematics	3	GC	30 .	i	70, 5, 5

Services Management and Human Resource Management. The students will select Part (I) and Advanced Part (II) of the same course. They will have to complete the exposure and project work as applicable to the course.

3. Skill Courses (SEC & AECC)—The list of 16 Skill Enhancement Courses is provided. The college can select courses as mentioned in the structure to suit the requirements of the students. Each course will carry 2 credits having duration of 30 hours. The courses mentioned in the list will be updated as per the requirements of the business environment. The Board of Studies will make the necessary changes in the list as per the changing requirements of the Economy, Environment and society. These courses can also be replaced by approved online courses. It is mandatory for every Institute to conduct the Compulsory Ability Enhancement Course in Semester III. The Institute can select basic or advanced courses.

12. List of Courses Offered

BBA IB -Bachelor of Business Administration –International Business Updated Programme Structure CBCS - Pattern 2019

FYBBA IB

Group	Course Details					* 1 }
T	Course Details			Internal Evalu	uation	External
1	Generic Core (GC) and Subject	Core (SC)			·	Evaluatio
				4 5		n
	(Compulsory)				·	· " " " " " " " " " " " " " " " " " " "
Course	Course Title	Credits =	Core	Concurrent	Tutorial	SPPU
Code			Course	Evaluation	/Practical	Evaluatio
	그 무섭충합의 전략			2000 AP 10 10 10 10 10 10 10 10 10 10 10 10 10		n
	-	-	-			- ja
	First Year Semester I					
101	Principles of Management	3	GC	30		702 3 3 3
102	Business Communication Skills	4	SC	30	20	50
103	Business Accounting	3-	GC	30		70
104	Business Economics - Micro	3	GC	20		165
105			GC	30		70
,	Business Mathematics	3	GC	30 ,		70, 000

106	Business Demography 4	7 7 7	SC	30 20	50	
		9 h -			** - 35, % 0	7.5
ju.e	Total Credits for the 20				,	
	Semester I					
	GC (12)+SC(8)=20			· bright.		****
	First Year Semester II	144.50	2 -	1 1	1 11	
201	Basics of cost accounting	3	GC 3	30	70'	7,40 4 1
202	Origin and Development of Global Business	4.	SC 3	30	20 50	
203	Commercial Geography	3	GC 3	30	- 70	i Teg
204	Principles of Marketing	3	GC 3	30	- 70	
205	Business Statistics	3	GC :	30	70,	
206	Fundamentals of computers	4	SC :	30	20 50	
	Credits for the semester II	20_				:
	GC (12)+SC(8) =20		*	7		34
SYBB						
A -IB	Second Year Semester III	125			*** ******	
Course	Course Title	Credits	Core	Concurrent	Tutorial	S
Code			Course	Evaluation	/Practical	τ
						I
	4	ĺ		3 - 1		1
301	Elements of Human Resource Management	3	GC	30	₹ ¥ £	1.0
302	Global Competencies and	3	GC	30		1,
	Personality Development	3	GC	30	-	
303	International Economics	3	GC	30		
304	Production and Operations	3 *	GC	30	-	1
	Management					
	Credits For Semester III- CC 12	12			. V	
	* -		1			-
	Second Year Semester IV	2		1 1 1 . 1	≈ I	ι.
401	Second Year Semester IV Import Export Procedure	3	GC	30	· v	1

1000					1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70
403	Business Ethics	3 ***	GC	30	-	70
404	Management Information System	-3	GC	30	-	70
1 - 12				, Y		11
0.74	Total credits GC12	12		TANK DEREST	* * * * * * * * * * * * * * * * * * *	11.11
TYBB A-IB	Third Year Semester V	3. 4. 0 3. 4. 0 3. 4. 0			n. and	u red
501	International Relations	3,	GC	30 -	_	70
502	International Business Law	3	GC	30		70
503	Business Reporting and Analysis	3 = -	GC	30	T	70,
504	Foreign Exchange Management	3 -	GC	30	# .·.	70
	Total credits CC - 12	12	-X			
	Third Year Semester VI		<u> </u>			
601	New Venture creation and start ups/-	3	GC	30	-	70
602	International Project management	3	GC	30	-	70
603	Decision Making and Risk management.	3 - = ==================================	GC	30	- A T	70
504	Management of Agribusiness and	3 -	GC	30	- **	70
FY	Agri Exports					
Pi .	Total credits CC - 12	12				
0		12				
	Total credits CC - 12	- 1	V12 (Sem) V12 and (Sem	a) IV12 = 88	
Froup	Total credits CC – 12 Total Credits From GC and SC	+(Sem) I	_		a) IV12 = 88	
Group [Total credits CC – 12 Total Credits From GC and SC (Sem) I 20 + (Sem) II 20 (Sem) III12	+(Sem) I	_		a) IV12 = 88	
[Total credits CC – 12 Total Credits From GC and SC (Sem) I 20 + (Sem) II 20 (Sem) III12	+(Sem) I	_		a) IV12 = 88	
[Total credits CC – 12 Total Credits From GC and SC (Sem) I 20 + (Sem) II 20 (Sem) III12	+(Sem) I	_		a) IV12 = 88	
SE)	Total credits CC – 12 Total Credits From GC and SC (Sem) I 20 + (Sem) II 20 (Sem) III12	+(Sem) I	Semeste	Concurrent	Tutorial	1
_	Total credits CC - 12 Total Credits From GC and SC (Sem) I 20 + (Sem) II 20 (Sem) III12 List of Spe	+(Sem) I	tive (SE)(Courses	** - ** **	SP U

4 34

106	Business Demography	4	SC	30	20	50	-
	Total Credits for the Semester I GC (12)+SC(8)=20	20					
	First Year Semester II		1	<u> </u>		1	
201	Basics of cost accounting		GC	30		70	
202	Origin and Development of Global Business		SC	30	20	50	
203	Commercial Geography		GC	30	-	70	
204	Principles of Marketing	3	GC	30 .	-	70	
205	Business Statistics	3	GC	30	-	70	
206	Fundamentals of computers	4	SC	30	20	50	
	Credits for the semester II GC (12)+SC(8) =20	20					
SYBB	*						
A -IB	Second Year Semester III						
A -IB Course Code	Second Year Semester III Course Title	Credi	ts Core Cours	Concurre Evaluation		orial ctical	SPP U Eva luati
Course Code		Credi					U Eva luati
Course	Course Title Elements of Human Resource		Cours	e Evaluation	on /Prac		U Eva luati on



Principal
Vishwalata A. F. Gc.
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304	Production and Operations	3	GC	[30		
	Management Credits For Semester III- CC 12			30	-	70
		12				
	Second Year Semester IV					
101	Import Export Procedure	1				
		3	GC	30		
102	Research Methodology	-			-	70
	L	3	GC	30		
					1-	70

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1	213	Business Ethics & Professional Value	04	04	03	40	60	100
	214	Elements of Knowledge Management	04	04	03	40	60	100
1		Group ((Advance	d Bankin	g & Finan	ice)		
	215	Banking Law & Practices	04	04	03	40	60	100
1	216	Monetary Policy	04	04	03	40	60	100
1		Gro	up II (Adv	anced Ma	rketing)			
	217	Customer Relationship Management & Retailing	04	04	03	40	60	100
	218	Services Marketing	04	04	03	40	60	100



Vising and Company Science College, and Age of Tal Yeola Dist Nashik

REVISED BBA IB PROGRAMME STRUCTURE CBCS 2019 PATTERN BACHELOR OF BUSINESS ADMINISTRATION-INTERNATIONAL BUSINESS (BBA-IB)

Group 1	Course Details Generic Core (GC) and Subje (Compulsory)	ct Core (SC)	Core (SC)		Internal Evaluation		
Course Code	Course Title	Credits	Core Course	Concurrent Evaluation	Tutorial /Practical	SPPU Evaluatio	
	First Year Semester I						
101	Principles of Management	3	GC	30			
102	Business Communication	4	SC		•	70	
03	Skills Business Accounting		SC	30	20	50	
04		3	GC	30		70	
	Business Economics - Micro	3	GC	30		2077	
05	Business Mathematics	3	GC	1000		70	
			GC	30	-	70	

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Vishwalata -Science College, Briatyaon Tal Yeola Dist Nashik

Savitribai Phule Pune University [SPPU]

B.Sc. (Chemistry)

(Three Years Integrated Degree Program)

Choice Based Credit System [CBCS]

From Academic Year

2019-2020

First Year (F.Y. B. Sc.)

Board of Studies (Chemistry)
Savitribai Phule Pune University [SPPU]
Pune-41107



Vishwatata Arts Commerce & Science College Bhatgaor & Tal. Yeola Dist-Nashik

Structure of E. Y. B. Sc. Chemistry

Semester =	Course	Discipline Specific Core Course (DSCC)*
	Theory	CH-101: Physical Chemistry (2 credit, 36 L)
, I	Theory	CH-102: Organic Chemistry (2 credit, 36 L)
	Practical	GH-103: Chemistry Practical -I (1.5 Credit, 46.8 L)
	Theory	CH-201: Inorganic Chemistry (2 credit, 36 L)
II .	Theory	CH-202: Analytical Chemistry (2 credit, 36 L)
	Practical	CH-203: Chemistry Practical -II (1,5 Credit, 46.8 L)

*N.B.:

- i. Each lecture (L) will be of 50 minutes.
- ii. Each practical of 3h 15 min and 12 practicals per semester
- iii. 12 weeks for teaching 03 weeks for Contentious assessments
- iv. For details refer UG rules and regulations (CBCS for Science program under science & Technology) given in Appendix

Chemistry

CBCS: 2019-2020

F. Y. B. Sc.

Choice Based Credit System [CBCS] Syllabus To be implemented from Academic Year 2019-2020

Semester	Course	Discipline Specific Core Course (DSCC)*
	Theory	CH-101: Physical Chemistry (2 credit, 36 L)
1	Theory	CH-102 : Organic Chemistry (2 credit, 36 L)
	Practical	CH-103 : Chemistry Practical -I (1.5 Credit, 46.8 L)
	Theory	CH-201 :Inorganic Chemistry (2 credit, 36 L)
II	Theory	CH-202 : Organic Chemistry (2 credit, 36 L)
	Practical	CH-203 : Chemistry Practical -II (1.5 Credit, 46.8 L)

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Tal Yeola Dist Nashik

F.Y.B.Sc (Physics)

CBCS: 2019-2020

F. Y. B. Sc

Physics

SubjectName	Year	Semester	Course Type	Course Code	Course Name	Credit
			Compulsory Course	PHY-111	Mechanics and Properties of Matter	2
Physics		1		PHY-112	Physics Principles and Applications	2
	1		Compulsory	PHY-113	Physics Laboratory-IA	1.5
1			Course	PHY-121	Heat and Thermodynamics	2
1		11	Codisc	PHY-122	Electricity and Magnetism	2
	- 1		19	PHY-123	Physics Laboratory-IB	1.5
1	1		l	1		1.5
	- 1			1	2	- 1
1	1		1	1		
	1				T .	
- 1				1	1	1
1	1				1	1
- 1	- 1			,		1
- 1	- 1			1		
1	- 1					
	1	1			1	1
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-	1	1			1	1
100	07 10		1			
			1			1
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Vishwalata A. a. Commerce
Science College, Buatgaon
Tal Veola Dist Nashik



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Mathematics

(Faculty of Science & Technology)

F.Y.B.Sc. (Mathematics)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020

Savitribai Phule Pune University



Vishwalata Arts Commerce College Bhatgaor:

8 Science College Dist-Nashik

Course Outcome:

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

- i) The mathematical maturity of students in their current and future courses shall develop.
- ii) The student develops theoretical, applied and computational skills.
- iii) The student gains confidence in proving theorems and solving problems.

Structure of the course:

	Semester - I		Semester	-11	Credit
Paper I	MT-111	Algebra	MT-121	Analytical Geometry	2
Paper II	MT-112	Calculus - I	MT-122	Calculus - II	2
Paper III	MT-113	Mathematics Practical	MT-123	Mathematics Practical	1.5

Proposed Structure of S. Y. B. Sc. Mathematics Courses:

	Sen	nester - III			
Paper I	MT-231	Calculus of Several Variables	MT-241	Linear Algebra-I	2
Paper II	MT-232 (A) Laplace Transform and Fourier Series		MT-242(A)	Vector Calculus	2
	MT-232 (B)	Computational = Geometry	MT-242(B)	Numerical Analysis	2
Paper III	MT-233	Mathematics Practical	MT-243	Mathematics Practical	2

Proposed Structure of T.-Y. B. Sc. Mathematics Courses:

	Semester- V		Semester- VI	Cualit
MT 351	Matric Spaces -	MT 361 Complex Analysis		Credit
MT 352	Real Analysis-I	MT 362	Real Analysis-II	2
MT 353	Problem Course on MT 351 and MT 352	MT 363	Problem Course on MT 361 and MT 362	2
MT 354	Group Theory-I	MT 364	Ring Theory-I	3
MT 355	OrdinaryDifferential Equations–I	MT 365	Partial Differential Equations-I	<u> </u>
MT 356	Problem Course on MT 354 and MT 355	MT 366	Problem Course on MT 364 and MT 365	2

11 -	Select Any Two out	of six cour	ses			
MT357:A	Operations Research	MT367:	Optimization Techniques	2		
MT357:B	Number Theory	MT367: B	Graph theory	2		- B
MT357:C	C- Programming	MT367:	Lebesgue Integration	2	All I TEN	1
MT357:D	Lattice Theory	MT367: D	Financial Mathematics	2	· · · · · · · · · · · · · · · · · · ·	24; 2
MT357:E	Python Course -I	MT367: E	Python Course-II	2		, de .
MT357:F	Machine Learning Course- I	MT367:	Machine Learning Course- II	2		
MT 338	Practical based on papers selected from 357 A to 357 F	⁻ MT 348	Practical based on papers selected from 367 A to 367 F	2	• •	, p44 1
MT-3510	Skill Enhancement course in maths –	MT- 3511	Skill Enhancement course in maths	2		. * * y
MT-3610	Skill Enhancement course in maths	MT	Skill Enhancement course in maths	2	à ·	

All three above courses are compulsory.

1. Equivalence of Previous syllabus along with new syllabus:

	Old course	New Course
Paper I	MT-101:	MT-111: Algebra
	Algebra and Geometry	and
		MT-121 : Analytical Geometry
Paper II	MT-102:	MT-112: Calculus - I
	Calculus and	and
	Differential Equations	MT-122 : Calculus – II
Paper III	MT-103:	MT - 113 : Mathematics Practical
	Mathematics Practical	and
	생 후 보기	MT – 113 : Mathematics Practical

F.Y.B.Sc. (Mathematics)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020

	Semester	-1	Semester	Credit	
Paper I	MT-111	Algebra	MT-121	Analytical Geometry	2
Paper II	MT-112	Calculus - I	MT-122	Calculus - II	2
Paper III	MT-113	Mathematics Practical	MT-123	Mathematics Practical	1.5

Principal

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C	d / Title of Power	Course	No. of	No. of	Internal	University Assessment		Total	Duration of Theory
No.	Course / Title of Paper	Course	(Per Week)	Credits	Assessment	Univ. Exam.	Practical Exam.	Marks	Examination
126	Optional Group. (B) (Any one of the Following) a) Essentials of E- Commerce b) Insurance & Transport c) Marketing & Salesmanship d) Consumer Protection and Business Ethics e) Business Environment & Entrepreneurship f) Foundation Course in Commerce	Generic Elective Course	4	3	30	70	*	100	3 Hours
127	Any one of the following Language- II Additional English/ Marathi/ Hindi/ Guajarati/ Sindhi/ Persian/ Urdu/ French/ German / Sanskrit / Arabic	Ability Enhancement Course	4	3	30	70	-	100	3 Hours



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Tal Yeola Dist Nashik



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Physics

(Faculty of Science & Technology)

F.Y.B.Sc. (Physics)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020



Vishwalata Arts Commerce

Science College Bhatgaor.
Tal Yeola Dist-Nashik

Structure of the Course:

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	335	- a-	a training	1:0	C N	Cardia	5 8
Subject Name	Year	Semester	Course Type	Course Code	Course Name	Credit	
			Compulsory Course	PHY-111	Mechanics and Properties of Matter	2	
			St. of St	PHY-112	Physics Principles and Applications	2	
Pares J	1			PHY-113	Physics Laboratory-IA	1.5	
g u - 48	± 1.7	The second second	Compulsory	PHY-121	Heat and Thermodynamics	2	
	<u> </u>	<u> </u>	Course	PHY-122	Electricity and Magnetism	2	·
	. T.	~ _ _		PHY-123=	Physics Laboratory-IB	1.5	
			Compulsory_ Course	PHY-231	Mathematical Methods in Physics I	2	
	=			PHY-232	Electronics I /Instrumentation	2	-
		-III -		PHY-233	Physics Laboratory-2A	2	
	~=		Ability Enhancement	PHY-2310	Environment -I	2	
	2		Compulsory Course	PHY-2311	Language-I	2	
			Compulsory	PHY-241	Oscillations, Waves and Sound	2	1
			Course	PHY-242	Optics	2	الرمون الزر
hysics		- T V -		PHY-243	Physics Laboratory-2B	2	\
	-		Ability Enhancement	PHY-2410	Environment –II	2	
	:	- 	Compulsory Course	PHY-2411	Language-II	2	1
			Discipline -	PHY- 351	Mathematical Methods in	2	1
	-		Specific_ Elective	DITT 075	Physics II		\$ 100
	7 7		Course	PHY- 352_	Electrodynamics	2	1
À		2 B.	2 48	PHY- 353	Classical Mechanics	2	1 !:
				PHY- 354	Atomic and Molecular Physics	2	715 1
1	9		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PHY- 355	Computational Physics	2	
	3	- v	. F ;	PHY- 356	Elective I (Select any One) .	, 2	1 37 5 7
	4 " "	= = -		PHY- 357	Physics Laboratory-3A	2	- · · ·
			·	PHY- 358	Physics Laboratory-3B	2	1
			# # . 7 19 1	PHY- 359	Physics Laboratory-3C	2	1
	÷		Skill - Enhancement	PHY-3510	Maintenance and Repairing of	2	-
	- 3		Course	PHY- 3511	Laboratory equipment – I Household Electrification,		र के उन्हें
				-111-0011	Maintenance and repairing - I	2	N. 3

CBCS: 2019-2020 F. Y. B. Sc Physics

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	Discipline	PHY- 361-	Solid State Physics	2
i i i	Specific	PHY- 362	Quantum Mechanics	2
	Elective	PHY- 363	Thermodynamics and	2
· Service	Course		Statistical Physics	• • • •
		PHY- 364	Nuclear Physics	2
4.		PHY- 365	Electronics II /Advanced	2
and an			Electronics	373 1
	Type I I	PHY- 366	Elective II (Select any One)	2
		PHY- 367=	Physics Laboratory-4A	. 2 ,
14 · 4 /4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PHY- 368	Physics Laboratory-4B	2
		PHY- 369	Project	2
	Skill	PHY-3610	Maintenance and Repairing of	2
	Enhancement	\$ -10 ·, a	Laboratory Equipment - II	. 400
	Course =	PHY- 3611	Household Electrification,	2
1		= = = = = = = = = = = = = = = = = = = =	Maintenance and Repairing- II	



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Electronic Science

(Faculty of Science & Technology)

F.Y.B.Sc. (Electronic Science)

Choice Based Credit System (CBCS) Syllabus

To be implemented from Academic Year 2019-2020

Savitribai Phule Pune University



Vishwalata Arts Commerce Vishwalata Arts Commerce Science College Bhatgaor Tal. Yeola Dist-Nashik... CBCS: 2019-2020 F.V.B.Sc

Title of the Gourse: B-Sc (Electronic Science)

Preamble:

Electronics technology has revolutionized various fields including communication, consumer appliances, medical, defense and so on. The advances in technology are making systems smaller, smarter and powerful. Electronics is an important branch of Science devoted to design implementation and analysis of circuits and systems. Knowledge of Electronics is based on fundamental laws of Physics and though new chips/SOC's are fabricated every day, basic principles remain the same.

The goal of the three-year course is to instill in students a confidence that they can get a grip of the subject and apply it for designing, testing and analyzing systems. The course will also make use of problem-solving approach wherein the students will be trained to apply the acquired knowledge to design and analyze circuits for specific applications. The students will be familiarized with programming languages, various development tools, modeling and simulation tools through lab sessions.

The syllabus has been designed such that basic fundamental concepts, knowledge and specific practical skills of the students are developed. The students will be first introduced to various components, devices and their applications, Network theorems and applications of electronics in day to day life. Digital Electronics fundamentals, Operational amplifier circuits, and its applications will be covered in the second semester. In the Second year the students will be taught the basic principles of communication, Analog and digital circuit design and Microcontrollers. In the third year the students will be given an insight to concepts of Embedded System Design, VLSI Technology, Communication systems and various discipline specific courses with a Project in the final semester.

Titles of Papers and Scheme of Study Evaluation

F. Y. B. Sc. Electronic Science

Sem	1	Paper Paper title		Credits				Evaluation			
	Code		- Life E.	·	Th -	Tut	-Pr.	-CA	UE	Total	
	EL- 111	I	Basics of Applied Electronics	2	3			15	35	50	
I	EL- 112	II =	Electronic Devices and Circuits	2	3		•	15	35	50,	
	EL-113	m =	Electronics Lab IA	1.5			3.15	15	35	50	
	EL-121	I	Fundamentals of Digital Electronics	2	3			15	35	50	
II	EL-122		Analog and Digital device Applications	2	3		•	15	35	50.	
	EL-123	III	Electronics Lab IB	1.5			3.15	15	35	50	

CBCS: 2019-2020 F.Y.B.Sc.

Electronic Science

S. Y. B. Sc. Electronic Science

Sem	Paper Code	Paper	Paper title	Credit s	Lectures/Week Th Tut Pr.			Evaluation CA UE Total		
	EL-231	1	Analog Communication	2	4	1,41		15	35	50
ш	EL- 232	II	Digital System Design	2	4		Z.	15	35	50
1,7,1	EL-233	III 5."	Electronics Lab IIA	2			4	15	35	50
-,	EL-241	I	Analog Circuit Design	2	4			15	35	50
IV	EL-242	II v	Microcontroller	2	4			15	35	50
المال	EL-243	III	Electronics Lab IIB	2		1	4	15	35	50



T. Y. B. Sc. Electronic Science

Sem.		Paper Code	Paper	Paper title	Credits
ing?		EL-351	2 I 2	Theory Paper 1	2
- 5		EL-352	, II	Theory Paper 2	2
2	1.0	EL-353	111	- Theory Paper 3	2
100	Discipline	EL-354	į	Theory Paper 4	2
100	Specific Elective	EL-355	V Theory Paper		*** 2
	Course	EL-356	VI	Theory Paper 6	2 .
V		EL-357	VII	Electronics Lab IIIA	2
3		EL-358	VIII	Electronics Lab IIIB	2
ng.		EL-359	IX	Electronics Lab IIIC	2
_~	Skill	EL-3510	2 · X	Theory Paper 7	2
	Enhancement Course	EL-3511	XI	Theory Paper 8	2
4		EL-361	Î	Theory Paper 1	2
÷		EL-362	11	Theory Paper 2	. 2
1		EL-363	Ш	Theory Paper 3	2 .
	Discipline Specific	EL-364	, IV	Theory Paper 4	2
	Elective =	EL-365	- v -	Theory Paper 5	2
VI	Course	EL-366	VI -	Theory Paper 6	2
	= 1	EL-367	VII	Lab IVA: Project	2
AL.	2 1	EL-368	VIII	Lab IVB: Project	2
2		EL-369	- IX .	Lab IVC: Project	2
	Skill	EL-3610	X	Theory Paper 7	2
	Enhancement Course	EL-3611	XI	Theory Paper 8	2

F.Y.B.Sc. (Electronic Science)

Choice Based Credit System (CBCS) Syllabus To be implemented from Academic Year 2019-2020

F. Y. B. Sc. Electronic Science

CBCS: 2019-2020

Electronic Science

Sem	Paper Code	Paper	Paper title	Credits		ures/W		Evaluation		
-				1	Th	Tut	Pr.	CA	·UE	Total
	EL-111	I	Basics of Applied Electronics	2	3			15	35	50
1	EL- 112	II	Electronic Devices and Circuits	2	3			15	35	50
	EL-113	III	Electronics Lab IA	1.5			3.15	15	35	50
11	EL-121	I	Fundamentals of Digital Electronics	2	3			15	35	50
	EL-122	,II , ;	Analog and Digital device Applications	2	3			15	35	50
	EL-123	111	Electronics Lab IB	1.5			3.15	15	35	50

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Vishwalata Arts Commerce Science College, Briangaion Tal Veola Dist Nashik

(Geography) Choice Baset System Syllabus

To be implemented from Academic Year 2019-2020

CBCS: 2019- F.Y.B.Sc. Goography Structure of the course

Course code for choice based credit system

Year	Semester	Course Type	Course	Course Name	Credit
		Compulsor y Course	GG 111	Introduction to Physical GeographyI (Geomorphology)	2
,	1		GG 112	Introduction to Physical Geography -II (Ggeography of Atmosphere and Hydrosphere)	2
			GG 113	Practicals in Physical Geography	1.5
1		Compulsor	GG 121	Introduction to Human Geography	2
	2	y Course	GG 122	Population and Settlement Geography	2
			GG 123	Practicals in Human Geography	1.5



Science College, Linetge in Tal Yeela Dist Nachik



Savitribai Phule Pune University

(Formerly University of Pune)

Three Year B.Sc. Degree Program in Geography

(Faculty-of Science & Technology)

F.Y.B.Sc. (Geography)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020



Vishvalata Arts Commerce & Science College Bhatgaon Tal. Yeola Dist-Nashik

Year	Semester	Course Type	Course	Course Name	Credit				
- 1-3		Compulsor y Course	GG 111	Introduction to Physical Geography–I (Geomorphology)	.2				
	1		GG_112	Introduction to Physical Geography -II (Ggeography of Atmosphere and					
. 1			00440	Hydrosphere)					
	- The second sec	Compulsor	GG-113	Practicals in Physical Geography	1.5				
	2	Compulsor y Course	GG 121	Introduction to Human Geography	2,				
, di	2	y Course	GG*122	Population and Settlement Geography	2				
	-	Compular	GG 123	Practicals in Human Geography	1.5				
	200	Compulsor y Course	GG 231	Environmental Geography -I	2				
	3	y Course =	GG-232	Geography of Maharashtra (Physical)- I	2				
2			GG 233	Surveying- I	2				
	7.2	Compulsor	GG 241	Environmental Geography -II	2				
,	4	y Course	GG_242	Geography of Maharashtra (Human) -II	2				
			GG_243	Surveying - II	.2				
		Disciplin	GG_351	Regional Geography of India (Physical)- I	2				
		e = = = = = = = = = = = = = = = = = =	GG-352-	Geography of Economic Activities-I	2				
. 1	투.	Specific -	GG 353	Fundamentals of Tourism - I	2				
		Elective	GG 354	Pedology	2				
			GG 355	Management of Natural Disasters	2				
	5	= 5	GG 356	Geoinformatics-I	2				
		7 % To 32	GG 357	Techniques in Quantitative Analysis	-2				
	- 2		GG 358	Field Techniques in Mapping	2				
			GG 359	Techniques in Geomorphology	2				
ı		Skill -	- GG	Skill Enhancement Course in Geography - I	2				
		Enhanceme	3510		_				
3		nt Course	GG	Skill Enhancement Course in Geography -II					
			3511		2.				
	μŽ-	Disciplin -	GG 361_	Regional Geography of India (Human) -II					
	. **	e 📲 🔭 🧻	GG 362	Geography of Economic Activities-II	.2				
	181	Specific	GG 363	Tourism Activities and Management -II	2				
		Electi <u>v</u> e	GG 364	Weathering	2				
	ş	· · # 4	GG 365	Management of Manmade Disasters	2				
	6	1500	GG 366	Geoinformatics-II	2				
	6		GG 367	CIC Deced D D.	2				
	44.		GG 368	Mans and Manning Tool	2				
	-			Maps and Mapping Techniques	.2.				
	-	Skill	GG 368	Soil and Sediment Analysis	2				
		Enhanceme	GG 3610	Skill Enhancement Course in Geography - III	2				
		nt Course	3611GG	Skill Enhancement Course in Geography - IV	2				

Ser	Paper
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	Class-
	IV
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	VI- Pr
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	Class- VII
±	VIII
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	XI
	XII XIII- P
	XIII- P
1	XIV- P

	Sc. GEOGRAPHY	
Paper- CC	Semester-I	Semester - II
Ι	GG 111 -Introduction to Physical	GG 121-Introduction to Human
· 1	Geography - I (Geomorphology)=	Geography
II	GG 112 - Introduction to Physical	GG 122- Population and Settlement
	Geography - II (Ggeography of	Geography
	Atmosphere and Hydrosphere)	
III- Practical	GG 113- Practicals in Physical	GG 123- Practical in Human
	Geography	Geography
	c-CC	rie i var (i k.) v <mark>- de</mark>
IV -	GG 231- Environmental Geography -I	GG 241- Environmental Geography -II
V	GG 232- Geography of Maharashtra	GG 242- Geography of Maharashtra
	(Physical) - I	(Human) – II
VI- Practical	GG 233- Surveying - I	GG- 243- Surveying –II
Class- T.Y.B.S	c DSEC	
VII	GG 351- Regional Geography of India	GG 361- Regional Geography of India
	(Physical) I	(Human) – II
VIII	GG 352- Geography of Economic	GG 362- Geography of Economic
	activities - I	Activities–II
X	GG 353- Fundamentals of Tourism - I	GG 363- Tourism Activities and
	4	Management-II
X :	GG 354-Pedology	GG 364- Weathering
XI	GG-355- Management of Natural	
	Disasters	GG 365- Management of Manmade Disasters
XII	GG 356-Geoinformatics-I	
XIII- Practical	The state of the s	GG 366-Geoinformatics–II
Liii- I lactical	GG 357- Techniques in Quantitative Analysis	GG 367- GIS Based Project Report
(IV- Practical		
Tr - Fractical	GG 358- Field Techniques in Mapping	GG 368- Maps and Mapping
OV Design 1	00000	Techniques
(V- Practical	GG 359-Techniques in	GG 369- Soil and Sediment Analysis
	Geomorphology	
	SEC	
	GG 3610- Skill Enhancement	GG 3610- Skill Enhancement
	Course in Geography - I	Course in Geography - III
I	GG 3611- Skill Enhancement	GG 3611- Skill Enhancement
3	Course in Geography -II	Course in Geography - IV
	CONT. VIII.	Course III Geography - IV



SAVITRIBAI PHULE PUNE UNIVERSITY

Revised Syllabus of

Master of Commerce (M.Com.) Semester Pattern with Credit System with effect from June 2019

The M. Com. Syllabus for regular students is being revised from the academic year 2019-20. The course structure is as below:-

1. Objectives:

- a. To equip and train Post Graduate students to accept the challenges of business world by providing opportunities for study and analysis of advanced commercial and business methods and processes.
- b. To develop independent logical thinking and facilitate personality development.
- c. To equip the students to seek suitable careers in management and entrepreneurship.
- d. To acquaint students with significance of research in business.
- e. To impart skills regarding methods of data collection and their interpretations,
- f. To develop communication and analytical skills among students.

2. Duration

The M.Com. Course will be of Two Years duration consisting of two part. I.e. Part I and Part II. Each part is having Two Semesters.

Thus, the M.Com. Course is of Four Semesters. For each Semester, there will be Four Papers of 100 marks each. M.Com. Degree will be of 1600 marks in aggregate.

3. Duration and Structure of Programme:

The M.Com (Semester pattern with Credit System) degree Programme shall be of 2 years' duration divided into two parts, Part I and Part II, and 4 semesters.

4. Eligibility:

The student who has passed any Bachelors degree of this University or any other recognized University shall be held eligible to be admitted to M.Com. Course.

5. Course Structure:

The M.Com. degree course will be of two year duration consisting of four semesters and of minimum 64 credits as below:

Sr. No.	= Semester	Total Credits
_ 1	Semester I	16
2	Semester II	16
3 .	Semester III	60 16
.4	Semester IV	16
.57	Grand Total	8 64

Vishwalata Arts Confinerce Science Collège Bhatgaon Tal. Yeola Dist-Nashik Four extra credits for project work at 4th Semester (This will include credits for fieldwork, data presentation and report writing)

In each Semester, there will be four papers of 100 marks each out of which 40 marks will be for Internal Assessment (attendance, home assignments, class tests, long term papers, classroom presentation and 60 marks for University Examination. Thus M.Com. degree examination, four Semesters shall be of 1600 marks.

In addition to the above, students are required to secure following ten credits. These credits are compulsory in nature.

Semester	Human Rights Introduction to cyber security / information security	Skill development	Total Credits
I	1-credit1 credit	* x= *,	2 credits
II _Z	1 credit 1 credit)	2 credits
III	1 credit	2 credits	3 credits
IV _	- 1 credit	2 credits	_3 credits
Total Credits	2 credits 4 credits	4 credits	10 credits

- > Syllabus and other details regarding 'Human Rights' has been displayed on the home page of the university website.
- Syllabus and other details regarding 'Introduction to cyber security / information security' has been displayed on the 'syllabi' page of the university website.

6. The Scheme of Papers: The following will be the Scheme of papers:

The List of Courses

Semester I

Semester	Subject	Course	Title of the Paper	Hrs/	Credit	Exam.	Maximum Marks			
	Types	Code		Week	à †	Hours	Internal	Univ.	Total	
	Core Compulsory	101	Management Accounting	04	-04	03	40	60	- 100	
		102 🛋	Strategic Management	04	04	03	40	. 60 .,	100	
		- T	1	3	r = -	C.H. C. II				
	75.				ne Group o					
	Core	102			ed Account				1	
-	Elective/ -	103	Advanced	04	- 04	03	40	60	100	
	Optional	-	Accounting		-		Y			
	Subjects/	104 =	Income Tax	_04	04	03	40	60	100	
	Special				ercial Law	s & Pract		90		
	Subjects -	105	Information system	04	- 04	03	40,	60 ~	. 100	
1	Subjects	, 🖆	and E-Commerce				7			
	E .	- =	Practices						3 3	
	5.5	106 -	Intellectual	_ 04 _	04	03	40	60	100	
		- -	Property Laws				-	- A	*	
	n Ay		- Group C (Ad	vanced C	ost Accoun	ting & Co	st system)	70.00	421.65	
	='.[107	Advanced Cost	= 04 =	04	03	40	- 60	100	
			Accounting	,==	- FE - 1	77,			100	
Semester		108 =	Costing Technique	04	04	03	40	60	100	
I	뒥	- #	Examination s and	-	Same	05		00	100	
1	<u></u>		Responsibility_	5	=_	2			k 8	
4	1.5		Accounting	. T. ETT T	- - -	1				
	* <u>E</u>					170	Transfer Apr	2		
	. <u> </u>	109 =						ž.	4000	
		Ξ.	Co-operative =	=04=	.04	03	40	= 60	100	
	-	- T	Movement in India	2.	==L .		4 4			
	7.	110	Rural Development	04	04	03	40	· 60 ·•	. 100	
_	-	4	Group E (& Enviror	ıment)		:a-"	
	£.5-		Organized Traders	-04-	=04	03	40	- 60	. 100	
			and Markets	# 36 A	-	# 7 2	1.2 5 4 ·	d	white	
	=		Business	_04	-04	03 -	40	- 60	100	
- F	7		Environment and	= =	770	- C		4	100	
1	*=	7. 7	Policy		-					
				n F (Busi	ness Admi	nictration	N 1 8 1			
		113	Production and	04	04	03	40	ć0 ''	1 100	
	5 m	1.00	Operation		± 54	03	40	60 .,	100	
-aff	21		Management =	£ 57-				*		
-	24		inancial	04	7-204	- 00		- 1 621		
			Management	=04	-04	03 -	40	60	100	
-	-	T		. = 1		=				
	- 40	116 7-	Group G	(Advanc		g & Fina	nce)			
	1		egal Framework	04	04	03	40	60	100	
+			f Banking		和			1	100	
. [116 _ C	entral Banking	04	-04	03	- 40	· · · · · · · · · · · · · · · · · · ·	100	
		7			vanced Ma		- TI - TU	60	100	
£	-	117 = N	farketing -	04 (Au	04	- 0,		4.	A = \$	
	A = 1 gr	e par Section	echniques =	U-7 -	100	03	40	, 60	100	
	4 -			0.1	77. St	£ -	i i			
	10.75	-	onsumer —	04	. 04	03	40	60	100	
	3	- F B	ehaviour			1	· · · · · · · · · · · · · · · · · · ·	7.52		

Semester II

Semester	Subject	Course	Title of the Paper	Hrs/	Credit	Exam.	Maxir	num Ma	rks
	Types	Code	18075	Week		Hours	Internal	Univ.	Total
	Core	201	Financial Analysis	04	= 04	03	: 40	60	100
	Compulsory	- Table 1	and Control/	2,	Tax.	Į.		H .	
Semester	* * *	-	Principals of Financial			4.00		£ .	
- II - E		# #	Accounting	2.5	F-7 -	= ,3	- 1.5	76	See 1
	96) 200	202	*A. Industrial	-04	= 04	03	40	- 60	100
	77 m	Same of a	Economics		14				
	1742	* <u> </u>	B. Business Statistics	=					1
	1.3	* * *	To choose	any one	Group of	the follow	ing		
	E	- gA	Group A (A	dvanced	Accountin	ig & Tax	ation)	· · · ·	
	Core	203	Specialized Areas in	04	- 04	03	. 40	60	-100
- 1	Elective/-		Accounting	- #1	-	¥		-	•
1	Optional	204	Business Tax	-04	_ 04	03	40	60	100
	Subjects/	AL A	Assessment &=	#: A:			,,,,		
	Special	- 2	Planning						
	Subjects		Group B (Commer	cial I aws	& Practi	cos)		
4	_	205 -	E- Security & Cyber	- 04 _	04	03	-40	60	100
	* L		Laws	u lik	= 04	03	1-40	. ,00 .,	100
		206	Laws Regulating to	- 04	- 04 =	02	10	- (0	100
and the second		200	Copyrights & Design	- 04	= U4 =	03	40	60	. 100.
	2_4	*		10					1
	-	207	- Group C (Advar						
	13-7-		Application Cost	_04_	04	03	40	60	100
	123,	-000	Accounting		1		4		
		208	Cost Control & Cost	- 04 -	04	03	-40	. 60	100
. 7	144		-System = = -	. EE -	B	-1-	F 7 to -	<u>.</u>	
	F	- =	Group D (Co		on & Rura	l Develop	ment)		
	- 5	209 =	International Co-	04	04	03	40	60	100
		7 7	operative Movement				•	_	
	1	- 210 =	Management of Co-	- 04	04	03	40	60	100
	* 0*_ * 10*_	+ +	operative Business	/ E-52	E 40 1	F 65		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
2517	4		Group E (Bu	ısiness P	ractices &	Environ	ment)		<u> </u>
		211=	Modern Business	- 04	- 04	03	40	60	100
	- 3	4	Practices	, 144	(d) -	U.S	1 40		100
	-	212 -	Business Environment	04	. 04	03	40	(0	
	- 1	+	Analysis	04	. 04	03	40	60	. 100.
	-			F (Dusin					L
	134	213 =	Business Ethics &		ess Admin			1	_
	×			_04	04	03 🕝	40	60	100
-	= -		Professional Value	1 4	-	* ,=	-		****
	-	214	Elements of	04	04	03	40	60	100
			Knowledge	К ь		,		,	
	**- I		Management		*		4		
-	_ ^	-, ×	Group G (A	Advance	d Banking	& Finar	ice)		٠.
	4 (44)	215	Banking Law &	04	04	03	40	60	100
			Practices	- 13 -	1.		,,	00	100
-	1.	216 =	Monetary Policy	04	- 04	03	- 40		100
	-				anced Ma		₩ 4 0	60	-100
	-	217	Customer						
				04	. 04	03	40	60	100
			Relationship			100		''	
A 44	= _	- F	Management &				d	=	
	V %		Retailing					1	
= 1		218 -	Services Marketing	04	04	03	40	60	100

Master of Commerce (M.Com.) Semester Pattern with Credit Systemwith effect from June 2019

Sem I

Semester	Subject	Course	Title of the Paper	lirs/	Credit	Exam.	Maxi	mum Ma	irks		
Semester	Types	Code		Week		Hours	Internal	Univ.	Total		
	Core Compulsory	101	Management Accounting	04	04	03	40	60	100		
	S S M P H M M M M	102	Strategic Management	04	04	03	40	60	100		
			To cho	ose any or	ie Group o	f the follo	wing				
			Group A	(Advance	d Account	ing & Ta	cation)				
	Core Elective/	103	Advanced Accounting	04	04	03	40	60	100		
	Optional	104	Income Tax	04	04	03	40	60	100		
	Subjects/		Group	B (Comm	ercial Law	s & Pract	tices)				
	Special Subjects	105	Information system and E-Commerce Practices	04	04	03	40	60	100		
	1	106	Intellectual Property Laws	04	04	03	40	60	100		
			Group C (Ad	vanced C	ost Accour	ting & Co	st system)				
		107	Advanced Cost Accounting	04	04	03	40	60	100		
Semester I	e.	108	Costing Technique Examination s and Responsibility Accounting	04	04	03	40	60	100		
4.7			Group D (Co-opera	tion & Rui	ral Develo	pment)	60			
		109	Co-operative Movement in India	04	04	03	40	60	100		
		110	Rural Development	04	04	03	40	60	100		
	,		Group E	(Business	Practices	& Enviror	iment)		******		
		111	Organized Traders and Markets	04	04	03	40	60	100		
	76	112	Business Environment and Policy	04	04	03	40	60 60 60 60	100		
			Gro	up F (Bus	iness Admi	inistration	i)				



Vishwalata Arts Commerce Science College, Ehatgaon Kal Veola Dist Nachik

F..Y.B.Sc. Botany Choice Based Credit System Syllabus To be implemented from Academic Year 2019-2020

Title of the Course: B. Sc Botany

1. Structure of Course:

2.

		St	ructure B.Sc. I	Botany syllabus	Credits
Vace	Semester	Course Type	Course code	Course Name Plant life and utilization 1	2
ear	1	Compulsory	BO 111	Plant merphology and Anatomy	2
1		Course	BO 112 BO 113	Practical based on BO 111 & BO	1.5
				Plant life and utilization II	2 2
	2	Compulsory	BO 121	Principles of plant science	2
	2	Course	BO 122	Principles of James 100 121 & BO	1.5
			BO 123	Practical based on BO 121 & BO 122	

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Vishwalate & Come Science College, In Line Tal Yeola Dist Nashik

Sem II

emester	Subject	Course	Title of the Paper	Hrs/	Credit	Exam.	Maxin	num Ma	rks						
	Types	Code		Week		Hours	Internal	Univ.	Total						
Semester II	Core Compulsory	201	Financial Analysis and Control/Principals of Financial Accounting	04	04	03	40		100						
		202	A. Industrial Economics B. Business Statistics	04	04	03	40		100						
						the follow									
	Core		Group A (A	dvanced	Accounti	ng & Tax	ation)	60 60 60 60 60 60 60							
	Elective/ Optional	203	Specialized Areas in Accounting	04	04	03	40	60	100						
	Subjects/ Special Subjects	204	Business Tax Assessment & Planning	04	04	03	40	60	100						
	Subjects		Group B	(Commer	cial Laws	& Practi	ces)								
Į.		205	E- Security & Cyber Laws	04	04	03	40	60	100						
		206	Laws Regulating to Copyrights & Design	04	04	03	40	60	100						
	_	Group C (Advanced Cost Accounting & Cost system													
		207	Application Cost Accounting	04	04	03	40	60	100						
		208	Cost Control & Cost System	04	04	03	40	60 60 60 60 60 60 60	100						
	I		Group D (C	o-operation	on & Rur	al Develor	nment)								
	100	209	operative Movement	04	04	03	40	60	100						
		210	Management of Co- operative Business	04	04	03	40	60	100						
			Group E (I	Business P	ractices &	Enviror	(moné)								
		211	Practices	04	04	03	40	60	100						
		212	Business Environment Analysis	04	04	03	40	60	100						
			Groun	F (Busin	OS 0 A d 1	nistration		60 60 60 60 60 60 60							

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Rd Veels Dist Neshik

	113	Production and Operation Management	04	04	03	40	60	100
	114	Financial Management	04	04	03	40	60	100
1		Group	G (Advar	ced Bank	ing & Fina	ince)		-
	115	Legal Framework of Banking	04	04	03	40	60	100
- 1	116	Central Banking	04	04	03	40	60	100
			oup II (A	dvanced A	larketing)		1	
	117	Marketing Techniques	04	04	03	40	60	100
	118	Consumer Behaviour	04	04	03	40	60	100



Principal
Vishwalata Arts Commerce
Science College, Energe in
Tal Yeola Dist Nachik



Savitribai Phule Pune University

(Formerly University of Pune)

Two Year Degree Program in Computer Science

(Faculty of Science & Technology).

Revised Syllabi for -

M.Sc. (Computer Science) Part-I

(For Colleges Affiliated to Savitribai Phule Pune University)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2019-2020

Bhatgaon Colors Colors

Visbralata Arts Commerce & Science College-Bhatgaor Tal Yeola Dist-Nashik

Course Structure:

Year/	Course Type	Course =	Course Name	Credit	% of	Assessment	
Sem		Code -	5.	H_ 1	IA	UE	Total
# 1 E 1	Core Compulsory Theory Paper	CSUT111	Paradigm of Programming Language	4	30 ·	70 🖪	100,
I Year Sem-I		CSUT112	Design and Analysis of Algorithms	4	30	70	100
	1	CSUT113	*Database Technologies	4	30	70	100
	Choice Based	CSDT114A	Cloud computing	2	15	35	50
	Optional Paper	CSDP114A	Cloud Computing	2	15	35	50
		* *	Practical	- 1	* A		مُونَّدُ الْمُورِّدِينَ
-	4	-# + .	OR =	3-1-1		EF	
		CSDT114B	Artificial Intelligence	2	15	35	50
		CSDP114B	Artificial Intelligence Practical	2	15		50
	11- <u>1</u>		OR =	2 1.3	T'		A L
		CSDT1-14C	Web Services	- 2	15	35	50
		CSDP114C	Web Services Practical	2	15	35	50
	Core Compulsory Practical Paper	CSUP115	PPL and Database Technologies Practical	4	30	70	100

Year/	Course Type	Course	Course Name	Credit	% 0	f Assessi	nent
Sem		Code	-	·PE	IA	UE	Total
*	Core Compulsory-	CSUT121 -	Advanced Operating	- 4	30	. 70	100
	Theory Paper =	. · · · · · · · · · ·	-System = =	- 1 1	4	, 1	
I Year		CSUT122	-Mobile Technologies	4	30	70	100
Sem-II	- F	CSUT123	Software Project	4	30	70	100
			Management	i i		,	G.
	Choice Based -	CSDT124A	Project	2	15°	35	50
	Optional Paper =	CSDP124A	Project related_	2	15	35	50
			Assignments		- 6		Ъ
			OR-			• • • •	
	-	CSDT124B	Human Computer	2 :	15	35	50
			Interaction -				
	1 MG	CSDP124B	Human Computer	2	15	35	50
-			Interaction Practical	- 1	2	1	-
-	-	# 3.	- OR			<u> </u>	1
		CSDT124C	Soft Computing	2	15	35	50
		CSDP124C	Soft Computing	2	15	- 35	50
	·	-	Practical	∞ * ** **			
	Core Compulsory	CSUP125	Practical on Advanced	4	30	70	100
i i	Practical Paper	- = -	OS & Mobile	presi	-		
<u> </u>	· · · · · · · · · · · · · · · · · · ·	* <u>* </u>	Technologies _	-	2 1 7		-

M. Sc. [1]

Year/	Course Type	Course	Course Name	Credit	%	of Asses	sment ,
Sem		Code -		1	IA	UE	Total
	Core Compulsory	CSUT231 =	Software Architecture	4	30	70	100
	Theory Paper	E . H .	and Design Pattern				4.
II Year		CSUT232 =	Machine Learning	4	30	- 70	_ 100
Sem-III		CSUT233	Evolutionary Algorithms	4	30	70	100_
	Choice Based	CSDT234A	Big Data	2	15	. 35.	5,0
	Optional Paper	CSDP234A	Big Data Practical	2	15	35	50
-	-74		OR =				• • •
-		CSDT234B	Web Analytics	2	15	35	50
× ,		CSDP234B	Web Analytics Practical	2	15	35	50
	4		OR =			-	
	<u>4</u> .	CSDT234C	Project	2	15	35	50
	7	CSDP234C	Project related	2	15	. 35.	50
		a 7	Assignments	- 1	Ki •	.,,	
	Core Compulsory	CSUP235 -	Practical on Software	4	- 30	70	100
15 1 10	Practical Paper	. F. # 1 E	Architecture and	Jane			
			Design Pattern and Machine Learning	# 9± 15 m			

Year/	Subject Paper		Title of Paper	Credit		% of Assessment		
Sem	20 VI	. 7 ·			IA	UE	Total	
II Year	Core	CSUIT241	Industrial Training	20			Total	
Sem-IV			/Institutional project	#_^				

IA: - Internal Assessment, UE: - University Examination

Choice Based Credit System Syllabus To be implemented from Academic Year 2019-2020

Year/	Course Type	Course	Course Name	Credit	1%	of Assess	sment
Sem	11-11-11-11-11-11-11-11-11-11-11-11-11-	Code			IA	UE	Total
	Core Compulsory Theory Paper	CSUT111	Paradigm of Programming Language	4	30	70	100
I Year Sem-I		CSUT112	Design and Analysis of Algorithms	4	30	70	100
		CSUT113	Database Technologies	4	30	70	100
I Year Sem-I	Choice Based	CSDT114A	Cloud computing	2	15	35	50
	Optional Paper	CSDP114A	Cloud Computing Practical	2	15	35	50
			OR				
		CSDT114B	Artificial Intelligence	2	15 35	35	50
		CSDP114B	Artificial Intelligence Practical	2	15	35	50
			OR				
		CSDT114C	Web Services	2	15	35	50
		CSDP114C	Web Services Practical	2	15	35	50
Ì	Core Compulsory Practical Paper	CSUP115	PPL and Database Technologies Practical	4	30	70	100



Vishwalate A. e Com norce Science College, Islanga . n Yal Yeola Dist Nashik

Year/	Course Type	Course	Course Name	Credit	%	of Asses	sment
Sem		Code			IA	UE	Total
	Core Compulsory Theory Paper	CSUT121	Advanced Operating System	4	30	70	100
1 Year	I man to the second	CSUT122	Mobile Technologies	4	30	70	100
Sem-II		CSUT123	Software Project Management	4	30	70	100
	Choice Based	CSDT124A	Project	2	15	35	50
	Optional Paper	CSDP124A	Project related Assignments	2	15	70 70	50
			OR		-		
		CSDT124B	Human Computer Interaction	2	15	5 35	50
		CSDP124B	Human Computer Interaction Practical	2	15		50
			OR	-		-	
- 1		CSDT124C	Soft Computing	2	15	35	50
		CSDP124C	Soft Computing Practical	2	15 ·		50
	Core Compulsory Practical Paper	CSUP125	Practical on Advanced OS & Mobile Technologies	. 4	30	70	100



Principal
Vishwalati A. Commerce
Science Conege, bhatgaon
Tal Yeola Dist Nashik