

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE



Official Publication of Sant Gadge Baba Amravati University

PART - TWO

Thursday, the 29th September, 2016

अधिसूचना

क्रमांक : ८८/२०१६

दिनांक २९/०९/२०१६

विषय :- नविन विषय/अभ्यासक्रम/विद्याशाखा/अतिरीक्त तुकडीचे प्रथम संलग्निकरणाबाबत..

सर्व संबंधीतांचे माहितीकरीता अधिसूचित करण्यात येते की, महाराष्ट्र शासनाने खाली दर्शविलेल्या महाविद्यालयांकरीता, नविन विषय/अभ्यासक्रम/विद्याशाखा/अतिरीक्त तुकड्या सुरु करण्यास शासन पत्रात नमुद केलेल्या अटीच्या अधिन राहुन कायम विना अनुदान तत्वावर परवानगी दिलेली आहे. त्या अनुषंगाने नियुक्त करण्यात आलेल्या चौकशी समित्यांचे अहवाल विद्वत परिषदेच्या पक्षात म.वि. कायदा १९९४ कलम १४(७) अंतर्गत मा.कुलगुरुंनी स्विकृत केल्यानुसार, स्तंभ क्र.२ मध्ये दर्शविलेल्या महाविद्यालयास, स्तंभ क्र.३ मध्ये दर्शविलेल्या नविन विषय/अभ्यासक्रम/विद्याशाखा/अतिरीक्त तुकडीस स्तंभ क्र.५ मध्ये दर्शविलेल्या कालावधीकरीता म.वि.कायदा १९९४ मधील कलम ८१ मध्ये दर्शविलेल्या तरतुदींचे अधिन राहुन प्रथम संलग्निकरण प्रदान करण्यात येत आहे.

TABLE

Sr. No.	Name of the College	New subject(s) / Course(s)/ Faculty (ies)/ Add. Section(s)	Intake capacity	Period of affiliation	Govt. Sanction Letter No. & Date
1.	2.	3.	4.	5.	6.
1.	Adarsh Science, Jairamdas Bhagchand Arts & Birla Commerce College, Dhamangaon Rly. Distt:-Amravati	1. B.Com.-I (English Medium) 2. M.Com.-I (English Medium) 3. M.Sc.-I (Maths) 4. M.Sc.-I (Microbiology) 5. M.Sc.-I (Electronics)	120 40 40 20 20	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, दि.४ जुलै, २०१६
2.	Jagadamba Mahavidyalaya, Achalpur City. Distt:-Amravati	1. M.Com.-I (English Medium) 2. M.Sc.-I (Maths) 3. B.Com.-I (English Medium) (Addi. Section)	80 40 100	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, दि.४ जुलै, २०१६ क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
3.	G. S. Tompe Arts, Commerce & Science College, Chandur Bazar. Distt:-Amravati	B.Sc.-I (Addi. Section)	100	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
4.	Bharatiya Mahavidyalaya, Morshi. Distt:-Amravati	B.Sc.-I (English, Marathi, Chemistry, Physics, Botany, Zoology, Maths)	120	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०१/१६)/मशि-४, दि.४ जुलै, २०१६
5.	Shri R. R. Lahoti Science College, Morshi. Distt:-Amravati	B.A.-I (English, Marathi, Urdu Litt., English, Litt., Economics, Home-Economics, Pol. Science, History, Copration, Geography) B.Com.-I B.Sc.-I (Addi. Section) B.Sc.-I (Food Processing & Technology)	120 120 100 20	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०१/१६)/मशि-४, क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६

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6.	Shri Brijlal Biyani Science College, Near Dashara Ground, Durga Vihar, Amravati.	M.Com.-I (English Medium)	80	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
		B.Sc.-I (Addi. Section)	100		
7.	Bar. Ramrao Deshmukh Arts, Smt. Indiraji Kapadiya Com -merce & Naymurti Krushnarao Deshmukh Sci. College, Badnera Rly., Amravati	M.Com.-I (English Medium)	80	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, दि.४ जुलै, २०१६
8.	Takshshilla Mahavidyalaya, Sham Naagar, Amravati.	B.Sc.-I (English, Marathi, Hindi Urdu, Zoology, Chemistry, Botany, Physics, Math, Electronic, Statistics Computer Science)	120	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०१/१६)/मशि-४, क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, दि.४ जुलै, २०१६
		M.A.-I (Marathi)	80		
9.	Sitabai Kala Mahavidyalaya, Akola.	B.Com.-I (English Medium)	120	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०१/१६)/मशि-४, दि.४ जुलै, २०१६
		B.Sc.-I	120		
10.	Shri Shivaji Arts, Commerce & Science, College, Akola.	1.B.A. -I Additional Section. (English Medium)	100	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
		2.M. Com.-I Additional Section. (English Medium)	80		
11.	Shri Radhakisan Lakshminarayan Toshniwal Science College, Akola.	B.Sc. -I Additional Section. (English Medium)	100	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
12.	G.S. Science, Arts And Commerce College, Khamgaon, Distt: Buldana	B.Sc.-I (Addi.Section)	100	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
		M.Com.-I (English Medium) (Addi. Section)	80		
13.	Gopikabai Sitaram Gawande College, Umardhed. Distt: Yavatmal	B.Sc.-I (Addi. Section)	100	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
14.	Loknayak Bapuji Aney Mahila Mahavidyalaya, Yavatmal.	B.Com.-I (English Medium) (Commerce Faculty)	120	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०१/१६)/मशि-४, दि.४ जुलै, २०१६
15.	Mungasaji Maharaj Mahavidyalaya, Darwaha. Distt:- Yavatmal	B.B.A.-I	120	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
		B.Sc.-I (Addi. Section)	100		
16.	Indira Mahavidyalaya, Kalamb.Distt:- Yavatmal	M.A.-I (Marathi)	80	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, क्र.एनजीसी-२०१६/ (१०३/१६)/मशि-४, दि.४ जुलै, २०१६
		M.Com.-I	80		
		B.Sc.-I (Addi. Section)	100		
17.	Rajasthan Arya Arts, Shri Mithulalji Kacholiya Commerce and Shri Satyanarayanji Ramkrushnaji Rathi Science College, Washim.	1.M.A.-I (English)	80	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, दि.४ जुलै, २०१६
		2.M.Sc.-I (Botany)	20		
		3.M.Sc.-I (Physics)	20		

18.	Matoshri Subhadrabai Patil Arts and Late Pandurangji Thakare Commerce College, Manora. Distt:- Washim	B.A.-I 1.Sociology 2.Indian Music 3.English Litt.	120	For the session 2016-2017	क्र.एनजीसी-२०१६/ (१०२/१६)/मशि-४, दि.४ जुलै, २०१६
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स्वा/-
कुलसचिव
संत गाडगे बाबा अमरावती विद्यापीठ

NOTIFICATION

No . 89/2016

Date :29.9.2016

Subject :- Change in the name of College.

It is notified for general information of all concerned that the Management Council of Sant Gadge Baba Amravati University in its meeting dated 27.04.2016 vide item No.17, has accorded permission to change the existing name of the college as the name mentioned in column No. 2 below :-

Existing Name of College	Change in Name
1.	2.
महात्मा ज्योतीबा फुले कला, वाणिज्य व विज्ञान महाविद्यालय, भातकुली, जि. अमरावती	महात्मा ज्योतीबा फुले वाणिज्य, विज्ञान व विठ्ठलराव राऊत कला महाविद्यालय,भातकुली, जि. अमरावती.

Sd/-
Registrar,
Sant Gadge Baba Amravati University.

अधिसूचना

क्रमांक : ९०/२०१६

दिनांक : २९.९.२०१६

विषय :- नविन महाविद्यालयाचे प्रथम संलग्निकरणाबाबत..

सर्व संबंधीतांचे माहितीकरीता अधिसूचित करण्यात येते की, महाराष्ट्र शासनाने खाली दर्शविलेले नविन महाविद्यालय सुरु करण्यास शासन पत्रात नमुद केलेल्या अटीच्या अधिन राहुन कायम विना अनुदान तत्वावर परवानगी दिलेली आहे. त्याअनुषंगाने नियुक्त करण्यात आलेल्या चौकशी समित्यांचे अहवाल विद्वत परिषदेच्या पक्षात म.वि. कायदा १९९४ कलम १४(७) अंतर्गत मा. कुलगुरुंनी स्विकृत केल्यानुसार स्तंभ क्र. २ मध्ये दर्शविलेल्या संस्थेच्या स्तंभ क्र. ३ मध्ये दर्शविलेल्या नविन महाविद्यालयास स्तंभ ४ मध्ये दर्शविलेल्या अभ्यासक्रमाकरीता स्तंभ क्र. ६ मध्ये दर्शविलेल्या कालावधीसाठी म. वि. कायदा १९९४ मधील कलम ८१ मध्ये दर्शविलेल्या तरतुदीचे अधिन राहुन प्रथम संलग्निकरण प्रदान करण्यात येत आहे.

महाविद्यालयात उपरोक्त अभ्यासक्रमास प्रवेश देतांना शासनाने व संत गाडगे बाबा अमरावती विद्यापीठाने निर्धारित केलेल्या नियमांचे पालन करणे संस्थेवर बंधनकारक आहे. मान्य प्रवेशक्षमतेपेक्षा अतिरिक्त विद्यार्थ्यांना प्रवेश देण्यात येऊ नये.

संत गाडगे बाबा अमरावती विद्यापीठाचे नियम, विनियम, अध्यादेश, परिनियम, म.वि.कायदा १९९४ मधील तरतुदी महाविद्यालयास बंधनकारक राहतील.

नियमानुसार शिक्षकांची तसेच शिक्षकेतर कर्मचाऱ्यांची पदे भरणे संस्थेला बंधनकारक आहे.

शासन निर्णय क्र. युजीसी २००३/(३३/०३)/१ विशी-४, दिनांक ०६ एप्रिल, २००३ प्रमाणे संस्थेच्या शैक्षणिक शुल्काच्या सुत्रांचे नियमन करणे व शैक्षणिक संस्था विनियम प्राधिकारीणीकडून सर्व अभ्यासक्रमांच्या शुल्काचे प्रमाणिकरण करून घेणे संस्थेस / महाविद्यालयास बंधनकारक आहे. त्यामुळे विद्यार्थ्यांकडून शुल्क आकारण्यापूर्वी शैक्षणिक शुल्काच्या सुत्रांचे प्रमाणिकरण शैक्षणिक संस्था विनियम प्राधिकारीणीकडून मान्य करून घ्यावे व त्यानुसारच शुल्काची आकारणी करावी.

तसेच,शासन आदेश अटी व शर्तीचे, संस्थेने/महाविद्यालयाने पालन करावे व तसे महाराष्ट्र विद्यापीठ कायदा १९९४ चे कलम ८१ नुसार त्वरीत हमीपत्र सादर करणे संस्थेवर बंधनकारक आहे.

TABLE

Sr. No	Name of the Society	Name of the New College	subject(s) / Course (s)/ Faculty (ies) /	Intake Capacity	Period of affiliation	Govt. Sanction Letter No. & Date
1.	2.	3.	4.	5.	6.	7.
1.	Anant Maharaj Krida Va Shikshan Prasarak Sanstha, Wankhade Nagar, Dabki,Road, Akola. Dist- Akola.	Mangilalji Sharma, Arts, Commerce and Science Collge, Wankhade Nagar, Old City, Akola.	B.A. - I (English, Marathi, Marathi Litt., English Litt. Economics, Political Sci, History, Sociology, Home-Economics, Music)	120	for the Session 2016-2017	शासन आदेश क्र.एनजीसी २०१६/(१००/१६) मशि-४,दि.०५ ऑगस्ट, २०१६.
			B.Com.- I (As Per Syllabus)	120		
			B.Sc- I (English Marathi, Physics, Chemistry, Mathematics, Computer Sci., Electronics, Zoology, Botany, Microbiology)	120		
2.	Vrundhawan Shikshan Wa Bhauudeshiya Sanstha Chohata (Bazar) Ta.- Akot, Dist.- Akola.	Shri Sant Tukaram Maharaj Arts, Commerce and Science Collge, Chohata(Bazar) Ta.-Akot, Dist.- Akola.	B.A. - I (English, Marathi Environment Sci., Marathi Litt. Economics, Political Sci., History, Sociology,)	120	for the Session 2016-2017	शासन आदेश क्र.एनजीसी २०१६/(१००/१६) मशि-४,दि.०५ ऑगस्ट, २०१६.
			B.Com.- I (As Per Syllabus)	120		
			B.Sc- I (English , Marathi, Environment Sci. Chemistry, Botany, Zoology, Mathematics, Physics, Computer Sci)	120		

स्वा/-
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संत गाडगे बाबा अमरावती विद्यापीठ

NOTIFICATION

No. 91 /2016

Date : 29 /09/2016

Subject : Text Book prescribed as a reference for the subject Environmental Studies.

It is notified for general information of all concerned that the authorities of the University have accepted to prescribe the Text Book "Environmental Studies", 2nd Edition, by author Benny Joseph, published by Mcgraw Hills Edn.(India) Pvt.Ltd. as a reference book.

Sd/-
(Dr.A.P.Deshmukh)
Registrar
Sant Gadge Baba Amravati University

NOTIFICATION

No. 92/2016

Date : 29/09/2016

Subject :- Continuation of Prospectus No. 141712 prescribed for Semester VII & VIII for B.E./B.Text./B.Tech.(Chem.)/B.Tech. (Chem.Tech.) Polymer(Plastic) /B.Tech. (Chem.Tech.) (FPOPC) for the session 2016-2017.

It is notified for general information of all concerned that the Prospectus No.141712 prescribed for Semester VII/VIII for B.E./B.Text./B.Tech.(Chem.)/B.Tech.(Chem.Tech.) Polymer (Plastic)/ B.Tech.(Chem.Tech.)(FPOPC) for the session 2013-2014 and continued for the session 2015-2016 shall be continued for the academic session 2016-2017 with following addition as given below:-

Sr.No.	Prospectus No. & Page Nos.	Addition
01.	Semester VII/VIII for B.E. / B.Text. / B.Tech.(Chem.)/B.Tech.(Chem.Tech.) Polymer (Plastic)/ B.Tech.(Chem.Tech.)(FPOPC) Sub: B.Tech. (Chem.Engg.)8CH04 Prof.Elect.-II(x) Energy & Environment page No. 191	The Topics such as "Weapons of Mass Destruction, Disarmament, peaceful uses of Chemistry" be added in the 4 th line of 6 th Unit of Nuclear Energy after the words "Environmental effects".

Sd/-
(Dr.A.P.Deshmukh)
Registrar
Sant Gadge Baba Amravati University

NOTIFICATION

No. 93 /2016

Date : 29 /09/2016

Subject :- Continuation of Prospectus No. 11171 prescribed for I/II Semester for B.E./B.Text. B.Tech. (Chem.Engg.)B.Tech.(Chem.Tech.) Polymer(Plastic) Tech.for the session 2016-2017.

It is notified for general information of all concerned that the Prospectus No.11171 prescribed for I / II Sem. B.E./B.Tech.(Chem.Engg.)B.Text.E. and B.Tech.(Chem.Tech.) Polymer(Plastic) Tech. (C.G.S.) for the session 2014-2015 and continued for the session 2015-2016 shall be continued for the academic session 2016-2017 as per **Appendix – A** appended herewith as given below:-

Sd/-
(Dr.A.P.Deshmukh)
Registrar
Sant Gadge Baba Amravati University

1A3 Engineering Mechanics

Aim :

Basic concepts of Mechanics for Static and Dynamics have to be implanted into the student.

Objectives :

At the end of this course the student should be able to understand:

- the vectorial and scalar representation of forces and moments, static equilibrium of particles and rigid bodies both in two dimensions and also in three dimensions.
- the principle of work and energy.
- the effect of friction on equilibrium
- the laws of motion, the kinematics of motion and the interrelationship
- the dynamic equilibrium equation
- All these should be achieved both conceptually and through solved examples.

SECTION-A

Unit I:

1. Concept of a force, moment of a force about a point and about an axis, couple, resolution and compositions of coplanar force system, reduction of system of forces into a force and a couple equivalent force system.
2. Free-body diagrams, equations of equilibrium, problems of equilibrium involving co-planar force system acting on a particle, rigid body and system of rigid bodies, problems of equilibrium of non-coplanar concurrent force system. (8)

Unit II:

Analysis of simple plane trusses, method of joints, method of sections, analysis of frames involving ideally connected members.

Coulomb's law of friction, static belt friction, wedge friction. (8)

Unit III:

First moment of an area and centroid, second moment and product of area, transfer theorems, polar moment of inertia, radius of gyration, definition of principle axes and principle moment of inertia.

Work of a force, Principle of virtual work and its application. (7)

SECTION - B

Unit IV:

Kinematics: Definitions of displacement, velocity and acceleration and their relations, rectilinear motion under variable & constant accelerations, motion curves, simple relative motion between two particles, curvilinear motion using rectangular coordinates, normal and tangential components.

Kinematics of rigid body motion in rectilinear translation: rotation about a fixed axis and plane motion. (8)

Unit V:

Kinetics of rectilinear and circular motion of a particle acted upon by constant and variable force system, D'Alembert's principle, concept of dynamic equilibrium, rectilinear motion of several interconnected particles

Kinetics of rigid body rectilinear translation, rotation about a fixed axis of rigid body. (7)

Unit VI:

Work, power and energy: work-energy equation for motion of a particle, system of particles, work energy equation for rigid bodies rectilinear translation.

Linear impulse, linear momentum, momentum equation for a particle and a system of particles, direct central impact, collision of two particles, coefficient of restitution. (7)

Text Book:

- 1) Bhattacharyya Basudeb, Engineering Mechanics, Oxford University Press.

Reference Books :

1. Singer, F. L., Engineering Mechanics, Harper Collins Pub., Singapore.
2. Timoshenko, S. P. and Young, D. H., Engineering Mechanics, McGraw-Hill International C., Auckland.
3. Beer, F. P. and Johnston, E. R., Vector Mechanics for Engineers, McGraw-Hill International C., Auckland.
4. Shames, I. H., Engineering Mechanics, P.H.I. Pvt. Ltd., New Delhi.

1B4 Electrical Engineering

Aim: To impart basic knowledge of electric circuits, magnetic circuits, D.C. machines and transformers, A.C. machines and control systems.

Objectives: To expose the students to the analysis of electric and magnetic circuits, performance characteristics of D.C. machines, A.C. machines and transformers and to give awareness of the basics of Control System Engineering.

SECTION-A

Unit I: Fundamentals : a) Basic concept of Voltage , Current, Power, Energy and relationship between them b) Ohm's Law, Resistance, Resistivity, Conductivity, Temperature effect on resistance and temperature coefficient of resistance. c) Series and parallel circuits, Current division rule and voltage division rule, Star-Delta transformation d) Kirchhoff's laws, Superposition theorem, Thevenin's theorem, Maximum Power Transfer Theorem (8)

Unit II: Magnetic Circuit & Electromagnetism : a) Basic concept of Magnetic flux, Flux density, MMF, Reluctance, Magnetic field intensity and their relationship b) Leakage and fringing of flux c) Series Magnetic circuits with and without air gap d) Principles of Electromagnetic induction, self and mutual induction, Types of induced emf e) Magnetization curves (8)

Unit III : A.C. Fundamentals : a) Generation of A.C voltage, Basic definitions: Time period, frequency, cycle, amplitude, instantaneous values, Phase and phase angle and their relations. b) RMS, Average values, form factor, peak factor for Sinusoidal Wave form only c) Single phase A.C. circuit with pure Resistance, Inductance, Capacitance and their series combinations , phasor diagrams, Impedance Triangle, Active and Reactive power and resonance. (7)

SECTION - B

Unit IV: Polyphase Circuits : a) Balanced Three phase circuits: Production of three phase supply, Star and Delta balanced load. Relationship of phase and line values of voltage and current for Star and Delta connections. (7)

Unit V: Electrical machines : Single Phase Transformer - a) Principle of operation, construction and classification of transformers, EMF Equation. b) Ideal transformer under no load, under load. [No Numericals]
Electromechanical Energy Conversion - a) Working principle, Construction and various parts of D.C. Machines b) Classification, characteristics and applications of D.C. Machines. [No Numericals] (8)

Unit VI: Electrical Apparatus and safety : a) Measurement of Current, Voltage, Power, Energy, measurement errors b) Range extension of Ammeter, Voltmeter c) Necessity of earthing, d) Types of earthing (Pipe earthing and Plate earthing) e) Safety precautions. (7)

Text Book:

1. Basic Electrical Engineering , First Ed., Kulshreshtha D.C., TMH – 2008

Reference Books:

1. Basic Electrical Engineering, Fifth Edition, Fitzgerald A.E., TMH -2006.
2. Basic Electrical Engineering, 1st ed., R.Anand Natarajan, P.Ramesh Babu,
3. Basic Electrical Engineering 1st ed., T.K.Nagsarkar, OXFORD University Press, 2005
