

1.2.1 Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented



Letter from University



Church of North India

HISLOP COLLEGE

Christian Minority College Run by Hislop Education Society, Nagpur.

NAAC Re-accredited Grade 'A' with a CGPA of 3.31

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

Programme Code	Programme name	Year of Introduction	Status of Implement ation of CBCS / elective course system (Yes/No)	Year of implement ation of CBCS / elective course system
M.Com.	Master of Commerce	2002	Yes	2016-17
PGDCCA	PG Diploma in Commercial Computer Application	2004	Yes	2016-17
MCM	Master of Computer Management	2003	Yes	2016-17
M.A. Psychology	Masters of Arts Psychology (Clinical/ Industrial)	2005	Yes	2016-17
M.A. English	Masters of Arts English	1999	Yes	2016-17
M.A. Hindi	Masters of Arts Hindi	2000	Yes	2016-17
M.A. Sociology	Masters of Arts Sociology	1952	Yes	2016-17
M.Sc. Bot	Masters of Science Botany	2005	Yes	2015-16
M.Sc. Zoo	Masters of Science Zoology	2006	Yes	2015-16
M.Sc. BCH	Masters of Science Biochemistry	2007	Yes	2015-16
M.Sc. Biotech	Masters of Science Biotechnology	2002	Yes	2015-16
M.Sc. Chemistry	Masters of Science Chemistry	1997	Yes	2015-16





RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

Direction No. 40 of 2016

DIRECTION GOVERNING THE EXAMINATION LEADING TO THE DEGREE OF MASTER OF COMMERCE (CREDIT BASE SEMISTER PATTERN) FACULTY OF COMMERCE

(Issued under section 14(8) of the Maharashtra University Act 1994)
WHEREAS, Maharashtra University act No. xxxv of 1994 has come into force with effect from 22nd July
1994 and has been amended from time to time,

AND

WHERAS, the University Grants Commission, New Delhi vide letter no. D.O. No. F-2/2008/(XI Plan), Dated 31st January 2008 regarding new initiatives under the XI Plan-Academic reforms in the University has suggested for improving quality of higher education and to initiate the Academic reform at the earliest.

AND

WHEREAS, faculty of commerce act its meeting held on 14.2.2012 has decided to update the existing syllabus for award of the degree of Master of Commerce commensurate with the curricula existing in the various universities in India and with a view to include the latest trends in the commerce stream as well as to design it to suit to the needs of the industries and corporate houses,

AND

WHEREAS, University Grants Commission, New Delhi has prescribed the Model Curriculum for award of the Postgraduate degree in the Faculty of commerce and directed to implement the same from the academic session 2012-2013,

AND

WHEREAS, Chairman of all the Board of Studies in the Faculty of Commerce in their meeting held on 24.2.2016 prepared the Scheme of Credit Based Semester pattern for conduct of the M.Com. Examination.

AND

WHEREAS, Board of Studies viz. (1) Business Administration and Business Management, (2) Commerce, (3) Accounts and Statistics, (4) Business Economics and (5) Ad-hoc Board in Computer Application in its meetings held on 24.2.2016 respectively updated the existing syllabi and recommended some modifications in the scheme of examination for post graduate courses,

AND

WHEREAS, Dean of Commerce has consented to the changes in the syllabus and the scheme of examination for the award of M.Com Degree,

AND

WHEREAS the Vice-Chancellor, Nagpur University, Nagpur approved the recommendations so made by the Special Task Committee in the Faculty of Commerce duly concurred by the Coordinator, Faculty of Commerce as required under Section 38 (a) of the Act on

AND

WHEREAS As per the Advice of the Vice Chancellor, Coordinator, Faculty of Commerce & Coordinator, Special Task Committee in the meeting held on 4.1.2016 constituted sub-committee for syllabus restructuring of M.Com with CBCS pattern.

The Sub-committee submitted the Draft Syllabus of M.Com with CBCS pattern in meeting held on 24.02.2016.

AND

WHEREAS, ordinance making involve a time consuming process, Now, therefore, I, Dr. S. P. Kane, Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in exercise of the powers vested in me under Section 14(8) of the Maharashtra University Act of 1994 do hereby issue the following direction:

- This direction shall be called "DIRECTION GOVERNING THE EXAMINATION LEADING TO THE DEGREE OF MASTER OF COMMERCE (CREDIT BASED CHOICE SYSTEM) FACULTY OF COMMERCE RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY NAGPUR".
- The Direction shall come in to force with effect from the date of its issuance by Honourable Vice-Chancellor.
- The duration of the course shall be of two academic years consisting of the four semesters with university examination at the end of each semester namely
 - M.ComSemesterI Examination
 - M.ComSemesterIIExamination
 - · M.ComSemesterIIIExamination
 - M.ComSemesterIVExamination

The examination shall be held at such places and on such dates which are notified by the University.



राष्ट्रसंततुकडोजी महाराज नागपूर विद्यापीठ, नागपूर

'' (सेंट्रल प्रोव्हिन्सेस शासन शिक्षण विभागाची अधिसूचना क्रमांक ५१३ दिनांक १ ऑगस्ट, १९२३ द्वारा स्थापित व महाराष्ट्र विद्यापीठ अधिनियम, १९९४ द्वारा संचालित राज्य विद्यापीठ)'' (विद्या विभाग)

छत्रपती शिवाजी महाराज प्रशासकीय परिसर, रविन्द्रनाथ टागोर मार्ग, नागपूर — ४४० ००१.

दूरध्वनी क्रमांक: कार्यालय: ०७१२—२५३२०६३ फॅक्स : ०७१२—२५५५७०१

क्र. रातुमनावि/विद्या/१५/२१७

दिनांक १५जुन, २०१५

अधिसूचना

सर्व संबंधीताच्या माहितीकरीता सुचित करण्यात येते की, प्राणिशास्त्र अभ्यासमंडळाने शिफारशीत केलेल्या बी. एस.सी. आणि एम. एस. सी. (प्राणिशास्त्र) प्रात्याक्षिक अभ्यासक्रमीकेमध्ये विद्यापीठ अनुदान आयोगाचे प्राप्त पत्रानुसार काहि किरकोळ दरूस्तीला दिनांक २०.०५.२०१५ रोजी संपन्न झालेली विज्ञान विद्या शाख. ने सत्र २०१५—२०१६ पासुन लागु करण्यास मान्यता प्रदान केलेली आहे. विज्ञान विद्याशाखेच्या शिफारशीला मा. कुलगुरू महोदयांनी महाराष्ट् विद्यापीठ अधिनियम १९९४ च्या कलम १४ (७) अंतर्गत विद्वत परिषद आणि व्यवस्थापन परिषदच्या वतीने मान्यता दिलेली आहे. प्राणिशास्त्र अभ्यासमंडळांनी निर्देशित केल्याप्रमाणे सदर अभ्यासक्रमिकेत किरकोळ बदल सत्र २०१५—२०१६ या शैक्षणिक सत्रापासुन लागु करण्यात येत आहे. वरील अभ्याक्रमाची प्रत सोबत संलग्न केली आहे.

सहपत्र वरील प्रमाणे (

स्वाक्षरीस/—

(पुरणचंद्र मेश्राम)

कुलसचिव राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ

प्रतिलिपी माहिती व पुढील कार्यवाहीसाठी अग्रेषित:

- १.राष्ट्संत तुकडोजी महाराज नागपुर विद्यापीठाशीी संनग्नीत विज्ञान विद्यााशाखेतील सर्व संबंधित महाविद्यालयांचे प्राचार्य २.मा. अधिष्ठाता, विज्ञान विद्याशाखा
- ३. .मा. परिक्षा नियंत्रक,
- ४.उपकुलसचिव (पुर्वपरीक्षा /परिक्षा उपरांत)
- ५सहायककुलसचिव (सा.परीक्षा/सा परीक्षा व चौकशी)
- ६.सहायककुलसचिव (गोपनीय)
- ७.सहायककुलसचिव (व्यावयायीक परिक्षा)
- ८.अधिक्षक(अध्यादेश विभाग)
- ९.अधिक्षक(निकाल विभाग)
- १० प्रभारी अधिकारी (प्रकाशन विभाग)
- ११.मा.कुलगुरूंचे स्वीय सहायक,
- १२.मा.प्र—कुलगुरूंचे स्वीय सहायक,
- १३.मा. कुलसचिवांचेस्वीय सहायक,
- १४.श्रीमती विना प्रकाशे, माहिताशास्त्र

स्वाक्षरीस/— (मनिष झोडपे) उपकुलसचिव (विद्या)



राष्टसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर

'' (सेंट्रल प्रोव्हिन्सेस शासन शिक्षण विभागाची अधिसूचना क्रमांक ५१३ दिनांक १ ऑगस्ट, १९२३ द्वारा स्थापित व महाराष्ट्र विद्यापीठ अधिनियम, १९९४ द्वारा संचालित राज्य विद्यापीठ)''

(विद्या विभाग)

छत्रपती शिवाजी महाराज प्रशासकीय परिसर, रविन्द्रनाथ टागोर मार्ग, नागपूर — ४४० ००१.

दूरध्वनी क्रमांक: कार्यालय: ०७१२-२५३२०६३ फॅक्स : ०७१२-२५५५७०

क्र. रातुमनावि/विद्या/१५/२१६

दिनांक १५ जुन, २०१५

अधिसूचना

सर्व संबंधीताच्या माहितीकरीता सुचित करण्यात येते की, विज्ञान विद्याशाखेअंतर्गत येणारे खालील पदव्युत्तर अभ्यासकम सत्र २०१५—२०१६ पासुन निव्वळ आधारोत श्रेयांक प्रणाली (CBCS) केडीट बेसड् सत्र पद्धतीसह) लागु करण्यात येत आहे. सदर अभ्यासकमांच्या परिक्षा योजना व अभ्यासकमींकांना दिनांक २०.०५. २०१५ रोजी संपन्न झालेल्या विज्ञान विद्या शाखेने मान्यता प्रदान केलेली आहे. मा. कुलगुरूनी सदर अभ्यासकमांना २०१५—२०१६ पासुन निव्वळ आधारीत श्रेयांक प्रणाली (CBCS) केडीट बेसड् सत्र पद्धतीसह) कार्यान्वीत करण्याकरीता म.वि. अधिनियम १९९४ च्या कलम १४ (७) अंतर्गत विद्वत परिषद व व्यवस्थापन परिषदेच्या वतीने तसच कलम १४ (८) अंतर्गत निर्देश क्रमांक १०/२०१५, दिनांक १५.०६.२०१५ रोजी निर्गमित केला आहे.

विज्ञान विद्याशाखा, पदव्युत्तर अभ्यासक्रम

M.Sc.- Physics, Chemistry, Mathematics, Statistics, Computer Science, Electronics Information Technology, Botany, Zoology, Sericulture, Microbiology, Biochemistry, Biotechnology, Environmental Science, Geology, M.Sc. Tech. Applied Geology.

उपरोक्त सर्व पदव्युत्तर सत्र अभ्यासक्रमांचे निर्देश, परिक्षा व अभ्यासक्रमीका राष्ट्संत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर.www.naguniversity.org या संकेतस्थळावर उपलब्ध करण्यात आलेली आहे.

कृपया संबंधीतानी नोंद घ्यावी

स्वाक्षरीत/— (पुरणचंद्र मेश्राम) कुलसचिव राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ.

प्रतिलिपी माहिती व पुढील कार्यवाहीसाठी अग्रेषित:

- १ राष्ट्संत तुकडोजी महाराज नागपुर विद्यापीठाशीी संनग्नीत विज्ञान विद्यााशाखेतील सर्व संबंधित महाविद्यालयांचे प्राचार्य
- २. मा. अधिष्ठाता, विज्ञान विद्याशाखा
- ३. .मा. परिक्षा नियंत्रक,
- ४.उपकुलसचिव (पुर्वपरीक्षा / परिक्षा उपरांत)
- ५सहायक कुलसचिव (सा.परीक्षा/ सा परीक्षा व चौकशी)
- ६.सहायक कुलसचिव (गोपनीय)
- ७.सहायक कुलसचिव (व्यावयायीक परिक्षा)
- ८.अधिक्षक(अध्यादेश विभाग)
- ९.अधिक्षक(निकाल विभाग)
- १०.प्रभारी अधिकारी (प्रकाशन विभाग)
- ११.मा.कुलगुरूंचे स्वीय सहायक,
- १२.मा.प्र—कुलगुरूचे स्वीय सहायक,
- १३.मा. कुलसचिवांचे स्वीय सहायक,
- १४.श्रीमती विना प्रकाशे, माहिताशास्त्र

स्वाक्षरीत/— सहायक कुलसचिव (विद्या)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR NOTIFICATION

No. Acad/215. Date: 15th June, 2015

To,

The Principal of all the affiliated Science Colleges of Rashtrasant Tukadoji Maharaj NagpurUniversity, Nagpur

Subject:- Direction No. 10 of 2015.

Sir/Madam,

Encl: As above.

I am forwarding herewith a copy of the Direction No. 10 of 2015 issued by the Hon'ble Vice-Chancellor under Section 14(8) of Maharashtra Universities Act, 1994 "DIRECTION RELATING TO THE EXAMINATION LEADING TO THE DEGREE OF MASTER OF SCIENCE, SEMESTER PATTERN (CHOICE BASED CREDIT SYSTEM) AND DEGREE OF MASTER OF SCIENCE AND TECHNOLOGY (APPLIED GEOLOGY). SEMESTER PATTERN, (CHOICE BASED CREDIT SYSTEM) "along with theexamination scheme and Syllabi to be implemented from Academic Session 2015-2016.

You are requested to kindly bring it to the notice of all teachers and students of your college.

Thanking you,

<u>Direction and Syllabi available on the Rashtrasant Tukadoji Maharaj Nagpur University.(www.nagpur university. org.)</u>

Yours faithfully, Sd/-

(Puran Meshram)

Registrar,

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Copy for information and necessary action along with the Direction, Examination Schemeand Syllabi as mentioned above to :-

- 1) The Dean Faculty of Science, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
- 2) The Controller of Examinations, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
- 3) The Director, B.C.U.D., Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
- 4) The Deputy Registrar (Examinations) Rashtrasant Tukadoji Maharaj Nagpur University,
- 5) The Deputy Registrar (Coll. Sec.) Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
- 6) The Asstt. Registrar (Prof. Exam.), Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
- 7) The Asstt. Registrar (Conf.), Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
- 8) The Asstt. Registrar (Exams & Enqury.), Rashtrasant Tukadoji Maharaj Nagpur University,
- 9) The Officer-in-Charge, Publication Section, R.T.M. Nagpur University, Nagpur.
- 10) The Asstt. Registrar, Ordinance Section, R.T.M. Nagpur University, Nagpur
- 11) The P. A. to the Hon'ble Vice-Chancellor, R.T.M. Nagpur University, Nagpur
- 12) The P. A. to the Hon'ble Pro-Vice-Chancellor, R.T.M. Nagpur University, Nagpur
- 13) The P. A. to the Registar, R.T.M. Nagpur University, Nagpur
- 14) Mrs. Veena Prakashe, Information Scientist, R.T.M. Nagpur University, Nagpur

Sd/-

(Manish Zodpey)
Deputy Registrar(Acad.)



Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur. M. A. PSYCHOLOGY CHOICE BASED CREDIT SYSTEM (CBCS) SEMESTER PATTERN

RULES & REGULATIONS

R.T.M. Nagpur University regulations governing Post Graduate Programmes under Semester, Credit & Grade system. This System is offered to Psychology students appearing for post graduate programmes offered by the R.T.M. Nagpur University from the Academic Year 2016-2017.

These Regulations shall come into from the Academic Year 2016-2017.

1. **Papers** :-

There are five compulsory papers in each semester. Each semester includes four theory' paper and a separate one paper for "Practicum". Each Semester includes four theory paper of 100 marks each and one paper for 'Practicum' of 200 marks. In all Five papers are compulsory in each semester and student will earn total 600 marks in each semesters and grand total of the four semester would be 2400 marks.

In semester III first two paper are Core papers. Core paper I and core paper II.

Third paper is Elective –I that consists of two Core Electives: Core Elective -I-a or Core Elective -I-b) .(students should select any one)

The forth paper is consists of two papers. Foundation course-I or core III. .(students should select any one)

The fifth paper will be 'psychology practicum'

In semester IV first two papers are core papers –core paper-I and core paper II

The third paper is Core Elective –II that consists of two Electives, Core Elective -II- a or Core Elective- II- b. .(Students should select any one)

The forth paper is consists of two papers. Foundation course-II or core III (students should select any one)

The fifth paper will be 'psychology practicum'

2. Units:-

There are Four units in each theory paper. Minimum two questions will be set from each unit. Students will have to answer 'One' question from each unit. .(One questions from each unit with internal choice.)

3. Credits & Marks:-

Each semester will offer total 24 credits per week running for 15 weeks. The student will earn total 600 marks in each semester and grand total 0f all the four semesters will be 2400 marks.

4. Examination :-

Examination of all subjects of Post Graduate Programmes shall be conducted by the R.T.M. Nagpur University as per the scheme of Examination prescribed by the Board of Studies of a particular discipline / subject. Every student desirous for appearing at M.A. Psychology examination will have to complete practical work as per the directions of the concerned teachers and obtain completion certificate to that effect duly signed by Head of the department. The student who fails to produce completion certificate will not be eligible to appear for the related practical or theory examination.

- The term end examination, however, shall be conducted by the RTM Nagpur University, Nagpur in the allotted centres.
- 2. Academic calendar showing dates of commencement and end of teaching, internal assessment tests & term end examination shall be duly notified before commencement of each semester every year by the University / Department / Affiliated Colleges.
- 3. One credit shall be given for every 25 marks, two credits for every 50 marks, four credits for 100 marks and six credits for 150 marks.
- 4. The proportion of internal and external marks for each theory / practical subjects shall be of 20:80 marks (Internal Examination weightage 20%, external examination weightage 80%).

5. Pattern of Question Paper

- 1. There will be four units in each paper
- 2. Question paper will consist of five questions.
- 3. First four questions will be from first four units.(One questions from each unit with internal choice.)
- 4. The fifth question will be compulsory consisting of short questions will be based on all four units.
- 5. Maximum marks in each theory paper will be 80
- 6. Each paper will be of 3 hours duration.
- Practical Papers/ laboratory examination shall be of 200 marks for each semester and distribution of marks shall be 160 External and 40 internal.
- 8. Minimum passing marks in each theory, practical and internal assessment will be 40%.



राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर

(बेंद्रस नीविन्सेस शासन विश्वम तिश्रमा तिश्रमा तिश्रमा अभिवृत्या क्रांस ५६३ विष्या १ औरसद १६३३ द्वारा स्थापित व महाराष्ट्र विद्यार्थित अभिविषय १९६४ द्वारा ब्रांचीतर राज्य विद्यार्थित (विद्यार्थित विश्वमा)

छत्रपती शिवाजी महाराज प्रशासकीय परिसर, रविन्द्रनाध टागोर मार्ग, नागपुर – ४४० ००१.

दूरध्यनी क्रमांकः कार्यालयः ०७१२—२५३२०६३ फॅक्स : ०७१२—२५५

क्र. रातुमनावि/विद्या/१६/90/0

दिनांक १६/०६/ जुर्चे २०१६

अधिसूचना

सर्व संबंधीतोच्या माहितोकरीना सुचित करण्यान येने को. वाणिज्य विद्याशाखेअनर्गन येणारे खालांक पदव्युत्तर अभ्यासकम सत्र २०१६—२०१७ पासून सत्र पद्धतीने चॉईस बेस केडीट सिस्टिम सह लागु करण्यान येन आहे. सदर अभ्यासकमाच्या परिक्षा योजना व अभ्यासकमींकेला दिनांक ०८.०६.२०१६ रोजी संपन्न झालेल्या विद्वत परिषदेने व दिनांक १४.०६.२०१६ रोजी संपन्न झालेल्या व्यवस्थापन परिषदेने मान्यता प्रदान केलेलो आहे. तसेच मा. कुलगुरूनी सदर अभ्यासकमांला कार्यान्वीत करण्याकरीना महाराष्ट्र विद्यापीठ अधिनियम १९९४ च्या कलम १४(८) अंतर्गत खालील सर्व अभ्यासकमांचे निर्देश दिनांक २१.०६.२०१६ रोजी निर्गमिन केलेले आहे.

पदव्युत्तर वाणिज्य अभ्यासकम व निर्देश -

- १) एम. कॉम निर्देश क. ४०/ २०१६
- २) एम. कॉम.(व्यावसायीक) निर्देश क. ४१/ २०१६
- ३) एम. बी.ए. निर्देश क. ४२/ २०१६
- ४) एम. सी. एम- निर्देश क.४३/ २०१६
- ५) पी. जी. डी. सी. सी. ए.- निर्देश क.४४/ २०१६
- ६) एम. आय. आर. पी. एम.— निर्देश क.४५/ २०१६

उपरोक्त सर्व पदव्युत्तर सत्र अभ्यासक्रमाचे निर्देश,परिश्वा योजना, समायोजन योजना व अभ्यासक्रमोका राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर <u>www.naguniversity.org</u> या संकेतस्थळावर उपलब्ध करण्यात आलेले आहे.

, क्पया संबंधीनांनी नोंट त्र्यावी

मा.कुलगुरूच्या आदेशान्वये

कुलसचिव गप्ट्रसंत तुकडोजी महाराज नागपुर विद्यापोट

प्रतिलिपी माहिती व पुढील कार्यवाहीसाठी अग्रेषित:

- १. संलिपनत महाविद्यालयांचे सर्व प्राचार्य संचालक विभाग प्रमुख
- २. सर्व सभासद विशेष कार्य समिती
- मा. समन्वयक, वाणिज्य विद्याशाखा.
- ४. मा. परिक्षा नियंत्रक,
- उपकुलसचिव (परिधा,पुर्व व परिधा उपरांत)
- ६. सहायक कुलसचिव (सामान्य परिश्रा),
- सहायक कुलसचिव (गोपनाय),
- ८. सहायक कुलसचिव (व्यावसायीक परिक्षा
- ९. अधिक्षक (निकाल विभाग),
- १०. प्रभारी अधिकारी (प्रकाशन विभाग),
- ११ स्वीय सहाय्यक, मा. कुलगुरूने कार्यालय
- १२. स्वीय सहाय्यक, मा. प्र- कुलगुरूचे कार्यालय
- १३. स्वीय सहाय्यक, मा. कुलसचिवांचे कार्यालय
- १४. श्रीमती विना प्रकारो, माहितीशास्त्रज्ञ,

राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर

(मनिष झोडपे) उपकुलसचिव (विद्याः राष्ट्रसन नुकडोजी महाराज नागपुर विद्यापीठ



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

DIRECTION NO. 43 OF 2016

DIRECTION GOVERNING THE EXAMINATION LEADING TO THE DEGREE OF MASTER OF COMPUTER MANAGEMENT (MCM) Choice Based Credit System (CBCS)

WHEREAS the Maharashtra Universities Act No. XXXV of 1994 has come into force with effect from 22nd July,1994.

AND

WHEREAS the amendment to the said Act came to be effected from 2016-2017.

AND

WHEREAS the Faculty of Commerce at its meeting held on 14.2.2012 have decided to update and upgrade the existing syllabus for the award of the degree of Master of Computer Management commensurate with the curricula existing in the various Universities in India and with a view to include the latest trends in the commerce stream as well as to design it to suit to the needs of the industries and corporate houses as provided under Section 38(a) of the Act.

AND

WHEREAS the Coordinator of the Faculty of Commerce concurred with the recommendations of the Special Task Committee in Computer Application in the Faculty of Commerce.

AND

WHEREAS the Special Task Committee in Computer Application in its meetings held on 24.2.2016 updated the existing syllabi and recommended some modifications in the scheme of examination for postgraduate courses,

AND

WHEREAS the Coordinator, Faculty of Commerce has consented to the changes in the syllabus and the scheme of examination for the award of Master of Computer Management Degree,

AND

WHEREAS the Vice-Chancellor, Nagpur University, Nagpur approved the recommendations so made by the Special Task Committee in the Faculty of Commerce duly concurred by the Coordinator, Faculty of Commerce as required under Section 38 (a) of the Act.

AND

WHEREAS it is expedient to provide and Ordinance for the purpose of prescribing examinations leading to the degree of Master of Computer Management in the Faculty of Commerce and phasic repeal of Ordinance No. 21 of 1994 governing the existing course of Master of Computer Management.

<u>AND</u>

WHEREAS As per the Advice of the Vice Chancellor, Coordinator, Faculty of Commerce & Coordinator, Special Task Committee (Computer Application) in the meeting held on 4.1.2016 constituted sub-committee for syllabus restructuring of MCM with Semester pattern.

The Sub-committee submitted the Semester Draft Syllabus of MCM in meeting held on 24.2.2016.

Now, therefore, I, Dr. S. P. Kane, Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in exercise of the powers vested in me under Section 14(8) of the Maharashtra University Act of 1994 do hereby issue the following direction:

This direction shall be called "DIRECTION REGARDING EXAMINATIONS LEADING TOTHE MASTER OF COMPUTER MANAGEMENT Choice Based Credit System (CBCS) IN THE FACULTY OF COMMERCE, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR".

1. There shall be FOUR examinations leading to the degree of Master of Computer Management namely:

Part-I

- (1) The Master of Computer Management (MCM) Semester I Examination,
- (2) The Master of Computer Management (MCM) Semester II Examination,

Part-II

- (3) The Master of Computer Management (MCM) Semester III Examination,
- (4) The Master of Computer Management (MCM) Semester IV Examination,

- 2. The duration of the Degree Course under this shall be of two academic years. The MCM Semester I Examination at the end of the first Semester and MCM Semester II Examination at the end of the Second Semester in First Year and MCM Semester III Examination at the end of the Semester III and MCM Semester IV Examination at the end of Semester IV in Second Year.
- 3. The Examinations Specified in above paragraph (i.e., Paragraph 2) above shall be held twice a year (Winter + Summer) at such places and on such dates as may be fixed by the University.
- 4. The details of the procedure for admission as well as eligibility for examination of:
 - (A) An applicant of the **MCMSemester I** Examination shall have :
 - (i) Obtained a Bachelor degree of this University or an equivalent Bachelor Degree of any statutory University in any faculty.
 - (ii) Prosecuted a regular course of study for not less than one Semester in any recognized institution or college affiliated to the R. T. M. Nagpur University where the course will be conducted.
 - (B) An applicant of the **MCMSemester II** Examination shall have :

 Appeared MCM Semester I Examination of this University
 - (C) An Applicant of MCM Semester III Examination shall have passed MCM Semester I and appeared in Semester II Examination.

OR

Passed PGDCCA/Post B.Sc. Diploma in Computer Science & Application of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

(D) An applicant of MCM Semester - IV Examination shall have passed MCM Semester - I, Semester - II or equivalent Diploma and appeared in Semester -III Examination.

Admission to Semester	Candidate should have passed in following examinations	Candidate should have competed the term and filled examination form
Semester - I	Degree Examination	-
Semester - II	-	Semester – I
Semester - III	PGDCCA /PGDCS/	(Not applicable for
	Semester-I	PGDCCA/ PGDCS)
		Semester-II
Semester - IV	Semester-I & II	Semester - III

5. Without prejudice to the other provisions of Ordinance No. 6 relating to the

Examinations in General, the provisions of Paragraphs 5, 7, 8, 10, 26 and 31 of

the said Ordinance shall apply to every collegiate candidate.

6. The fees for the examination shall be as prescribed by the Management Council from

time to time and whenever any change is made in the fees prescribed for any particular

examination that shall be notified through a notification for information of the examinees

concerned.

With the issuance of this Direction, The Direction No 24 of 2012 (Credit based Semester

Pattern) shall stand repealed.

Nagpur

Date:21.6.2016

Sd/-Dr. S. P. Kane Vice-Chancellor

7. Teaching and Examination Scheme

Master of Computer Management (MCM)

(A) MCM Part-I

Semester - I

Course Code	Subjects	Paper	Teaching Scheme per weeks (hr)	End Sem Examination	Min Marks	Internal Assessment	Min Marks	Credits
Theory								
1CMT1	Fundamental of Information Technology	I	4	80	40	20	10	4
1CMT2	Programming in C & OOPs Concept	II	4	80	40	20	10	4
1CMT3	Introduction to Operating Systems	III	4	80	40	20	10	4
1CMT4	Computerized Accounting (Tally ERP 9)	IV	4	80	40	20	10	4
Practical								
1CMP5	Practical-I :Programming in C & Operating Systems	P-I	8	100	50	Nil	Nil	4
1CMP6	Practical-II :Tally (ERP 9)& MS-Office	P-II	8	100	50	Nil	Nil	4
	Total		32	520				24

- 1. Duration of one Theory/Practical period is 1 hour.
- 2. The candidate has to pass theory papers and practical paper separately.
- 3. One credit is equivalent to one hour of Teaching or two hours of Practical Work per week.
- 4. Each semester will consist of 15 18 weeks of Academic Work equivalent to 90 actual teaching days.
- 5. The odd semester may be scheduled from July to December and even semester from January to June.

(B) MCM Part-I

Semester - II

Course	Subjects	Paper	Teaching Scheme per weeks (hr)	End Sem Examination	Min Marks	Internal Assessment	Min Marks	Credits
Theory								
2CMT1	Management Information Systems	I	4	80	40	20	10	4
2CMT2	Core Java	II	4	80	40	20	10	4
2CMT3	Quantity Techniques & Operation Research	III	4	80	40	20	10	4
2CMT4	E-Commerce and Web Designing	IV	4	80	40	20	10	4
Practical								
2CMP5	Practical-I :Core Java	P-I	8	100	50	Nil	Nil	4
2CMP6	Practical-II: HTML, JavaScript	P-II	8	100	50	Nil	Nil	4
	Total		32	520				24

- 1. Duration of one theory/practical period is 1 hour.
- 2. The candidate has to pass theory papers and practical paper separately.
- 3. One credit is equivalent to one hour of teaching or two hours of practical Work per week.
- 4. Each semester will consist of 15 18 weeks of academic Work equivalent to 90 actual teaching days.
- 5. The odd semester may be scheduled from July to December and even semester from January to June.

(C) MCM Part-II

Semester - III

Course Code	Subjects	Paper	Teaching Scheme per weeks (hr)	End Sem Examination	Min Marks	Internal Assessment	Min Marks	Credits
Theory			_					
3CMT1	Advance Database Management System	I	4	80	40	20	10	4
3CMT2	Principles & Techniques of Management	II	4	80	40	20	10	4
3СМТ3	Electives: (i) PHP & MySQL (ii) VB.Net (iii) C#.Net	III	4	80	40	20	10	4
3CMT4	Compulsory Foundation (i) Research Methodology	IV	4	80	40	20	10	4
Practical								
3CMP5	Practical- I :SQL & PL/SQL	P-I	8	100	50	Nil	Nil	4
3CMP6	Practical-II :Electives	P-II	8	100	50	Nil	Nil	4
	Total		32	520				24

- 1. Duration of one theory/practical period is 1 hour.
- 2. The candidate has to pass theory papers and practical paper separately.
- 3. One credit is equivalent to one hour of teaching or two hours of practical work per week.
- 4. Each semester will consist of 15 18 weeks of academic work equivalent to 90 actual teaching days.
- 5. The odd semester may be scheduled from July to December and even semester from January to June.

(D) MCM Part-II

Semester - IV

Course Code	Subjects	Paper	Teaching Scheme per weeks (hr)	End Sem Examination	Min Marks	Internal Assessment	Min Marks	Credits
Theory	Lagran	T	T			T	Г	
4CMT1	ASP.Net	I	4	80	40	20	10	4
4CMT2 4CMT3	Electives: (i) Advance Java (ii) Android Programming (iii) Python Elective Foundation: (i) Big Data &Hadoop (ii) Software Engineering (iii)Strategic Management	III	4	80 80	40	20	10	4
Practical								
4CMP4	Practical-I:ASP.Net	P-I	8	100	50	Nil	Nil	4
4CMP5	Practical-II:Electives	P-II	8	100	50	Nil	Nil	4
Project								
4CMP6	PROJECT	Project	8	100	50			4
	Total		36	540				24

- 1. Duration of one theory/practical period is 1 hour.
- 2. The candidate has to pass theory papers and practical paper separately.
- 3. One credit is equivalent to one hour of teaching or two hours of practical work per week.
- 4. Each semester will consist of 15 18 weeks of academic work equivalent to 90 actual teaching days.
- 5. The odd semester may be scheduled from July to December and even semester from January to June.

- 8. In order to pass the examination, an examinee shall obtain not less than 50 % marks in each of the theory papers and each of the practical and the project and Internal Assessment (Sessional) separately.
 - (A) An examinee who is unsuccessful in the examination shall be eligible for admission to the subsequent examinations on payment of a fresh fee prescribed for the examination together with the conditions of the ordinance in force from time to time.
- 9. (A) The scope of the subjects and pattern of examination shall be as indicated insyllabi.
 - (B) The Medium of instructions and examinations shall be in ENGLISH only.
- 10. Applicant for MCM Examination prosecuting regular course of study shall not be permitted to join any other course in this or any other University.

11. **ASSESSMENT**

- The final total assessment of the candidates is made in terms of an internal assessment (Sessional) and an external assessment for each course.
- For each paper, 20 marks will be based on internal assessment and 80 marks for semester end examination (external assessment), unless otherwise stated.
- The division of the 20 marks allotted to internal assessment of theory papers should based on class test, attendance, project assignments, seminar, power point presentation, fieldwork, group discussions or any other innovative practice / activity as determined by the teacher in respective subject and moderated by Head of the Institute/Principal.
- There shall be no separate / extra allotment of workload to the concerned teacher.
 He/ She shall conduct the internal assessment activity during the regular teaching days / periods as a part of regular teaching activity.
- At the beginning of each semester, every teacher shall inform his / her students unambiguously the method he / she propose to adopt and the scheme of marking for internal assessment with the prior permission of HOD / principal.

- An unsuccessful examinee at any internal shall be eligible for reexamination on payment of fresh examination fee prescribed by the University as per the respective directions.
- The internal marks will be communicated to the University at the end of each semester, but before the semester end examinations. These marks will be considered for the declaration of the results.
- The record of internal marks, evaluation & result should be maintained for a period of one year by respective institute/college for verification by competent authority.
- The maximum and minimum marks which each subject carries in MCM Semester I, Semester II, Semester III and Semester IV Examination are as indicated in Paragraph 7. A, B, C and D respectively.
- A copy of Project work shall be submitted to college prior to commencement of Semester - IV Examination for Evaluation by Internal and External Examiner appointed as per University rules.
- Candidate shall submit his/her declaration that the Project is a result of his/her own
 work and the same has not been previously submitted to any examination of this
 University or any other University.
- The Practical Examination of each Semester will be conducted by Internal and External Examiner appointed as per University rules.
- The old course students shall be absorbed as per the absorption scheme mentioned in Appendix D.
- If an examinee failed to pass the MCM Degree within five successive years from
 the date of his/her first admission to particular programme he/she shall be declared
 as "Not Fit for the Course" (NFC) and he/she will not be allowed to appear
 further for any examination of the course.

STANDARD OF PASSING

- Every candidate must secure 50% marks in each head of passing.
- The passing marks for external examination will thus be 40 out of 80 and for internal examination, 10 out of 20 and aggregate marks taking both together will be 50 marks.
- There shall be no internal marks in Practical and Project Examination.

- (A) There shall be no classification of examinees successful at the MCM Semester-I, Semester - II, Semester - III and Semester-IV Examinations whereas SGPA will be notified.
 - * Conversion of Marks to Grades and Calculations of SGPA (Grade Point Average) and CGPA (Cumulative Grade Point Average): In the Credit and Grade Point System, the assessment of individual Courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grades by some mechanism wherein the overall performance of the Learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviations and formulae used are as follows:-

Abbreviations and Formulae Used

G: Grade

GP: Grade Points

C: Credits

CP: Credit Points

CG: Credits X Grades (Product of credits & Grades)

SGPA = \SigmaCG:Sum of Product of Credits & Grades points / Σ C: Sum of Credits points

SGPA: Semester Grade Point Average shall be calculated for individual semesters. (It is also designated as GPA)

CGPA: Cumulative Grade Point Average shall be calculated for the entire Programme by considering all the semesters taken together.

After calculating the SGPA for an individual semester and the CGPA for entire programme, the value can be matched with the grade in the Grade Point table as per the ten (10) Points Grading System and expressed as a single designated GRADE such as O, A+, A, B+, B, etc.

Marks	Grade	Grade Points
85 and above	O (Outstanding)	10
75 - 84	A+ (Distinction)	9
71 - 74	A (Very Good)	8
61 - 70	B+ (Good)	7
55 - 60	B(Above Average)	6
50 - 54	C (Average)	5
40 - 49	P (Pass)	4

00 - 39	F (Fail)	0
	AB (Absent)	0

A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

- (B) Division at the MCMSemester IV Examination shall be declared based on the aggregate marks at the MCMSemester - I, Semester - II, Semester - III and Semester - IV Examination taken together and the CGPA will be calculated and notified.
- (C) Successful examinees at the MCM Semester IV Examination shall be awarded division based on CGPA as follows:

CGPA Range	Final Grade	Equivalent Class/ Division
9.01 to 10.00	0	First Division (Outstanding)
8.01 to 9.00	A+ (Distinction)	First Division(Distinction)
7.01 to 8.00	A(Very Good)	First Division (Very Good)
6.01 to 7.00	B+(Good)	First Division (Good)
5.55 to 6.00	B(Above Average)	Second Division (Above Average)
5.00 to 5.54	C(Average)	Second Division (Average)
4.00 to 4.99	P (Pass)	Pass
0	F (Fail)	Fail
0	AB(Absent)	Absent

- 12. Successful examinees in the MCMSemester Examination shall be awarded Distinction in each subject in which examinees obtain 75% or more marks in that subject at the respective Examination.
- 13. Unsuccessful examinees at the above examinations can be readmitted to the same examination on payment of a fresh fee and such other fees as may be prescribed by university.
- 14. Provisions of ordinance No 3 of 2007, relating to the award of grace marks for passing an examination, securing higher division / class and for securing distinction in subject(s) shall be applicable.

- 15. Notwithstanding anything to the contrary in this Direction, no person shall be admitted to an examination under this Ordinance, if he/ she has already passed the same examination or an equivalent examination of any other University.
- 16. Examinees successful at MCMSemester I, Semester II, Semester-III and Semester-IV Examination shall on payment of the prescribed fees receive a Degree in the prescribed form signed by the Vice-Chancellor.
- 17. This Scheme shall come into force from the academic session 2016-17.
- 18. The Provisions of Ordinance No. 21 of 1994 governing the existing course for Master of Computer Management stands repealed physically on implementation of this Direction.

APPENDIX -A

QUESTION PAPER PATTERN

First / Second / Third / Fourth Semester Master of Computer Management (MCM) Examination Choice Based Credit System (CBCS)

Subject Name Paper - I

Time: 3 Hours Total Marks: 80

- N. B. a) Draw well labeled diagram wherever necessary.
 - b) All questions are compulsory.

Part - A

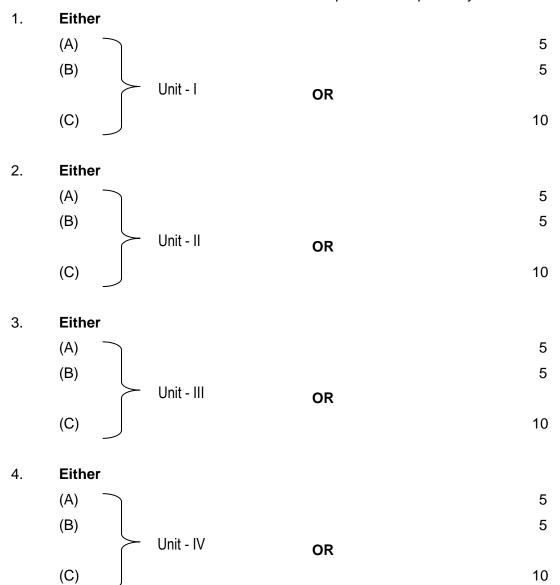
- N. B. 1. Each question carries two marks.
 - 2. Answers should not more than five lines.

Part - B

- N. B. 1. Each question carries three marks.
 - 2. Answers should not more than ten lines.

N. B. - 1. Each question carries five marks.

2. Answers should not more than 400 words for 5 marks questions and 600 words for 10 Marks questions respectively.



APPENDIX -B

(A) Project and Classification of Marks on Project

Towards the end of the second year of study, a student will be examined in the course "Project Work".

- a. Project Work may be done individually or in groups (Maximum 3 students) in case of bigger projects. However if project is done in groups, each student must be given a responsibility for a distinct module and care should be taken to monitor the progress of individual student.
- b. The Project Work should be done using the tools covered in Master of Computer Management.
- c. The Project Work should be of such a nature that it could prove useful or be relevant from the commercial / management angle.
- d. The project work will carry 100 marks.
- e. Project Work can be carried out in the Institute or outside with prior permission of the Institute.
- f. The external viva-voce examination for Project Work would be held as per the Examination Time Table of the second year of study, by a panel of one external and one Internal Examiner.

Types of Project

As majority of the students are expected to work out a project in some industry/research and development laboratories/educational institutions/software export companies, it is suggested that the project is to be chosen which should have some direct relevance in day-today activities of the candidates in his/her institution. The Applications Areas of project - Financial/Marketing/Database Management System/ Relational Database Management System/E-Commerce /Internet/ Manufacturing/ web Designing / Scientific / ERP etc.

Project Proposal (Synopsis)

The project proposal should be prepared in consultation with the guide. The project guide must be a person having minimum Qualification MCM/ M.Sc. (Computer Science + Information

Technology)/ M.Sc. (Mathematics /Electronics/Statistics/Physics + Post B.Sc. Diploma in Computer Science& Application)/MCA. The project proposal should clearly state the objectives and environment of the proposed project to be undertaken. It should have full details in the following form:

Format of Synopsis for Desktop Application

- 1. Title of the Project.
- 2. Objectives of the Project.
- Project Category (DBMS/RDBMS/OOPSetc.).
- 4. Tools/Platform and Languages to be used.
- 5. Complete Structure of the System:
 - i. Numbers of Modules and its Description.
 - ii. Modular Chart / System Chart.
 - iii. Data Structures or Tables.
 - iv. Process Logic of each Module.
 - v. Types of Report Generation.
- 6. References.

Note: Synopsis should not be more than 3-4 pages.

Format of Synopsis for Web Application

- 1. Title of the Project.
- 2. Objectives of the Project.
- 3. Project Category (DBMS/RDBMS/OOPSetc.).
- 4. Tools/Platform and Languages to be used.
- 5. Complete Structure of the System:
 - i. Number of pages and links their short description.
 - ii. Use / Information of Pages.
 - iii. Feedback Form (if any).
- 6. References.

Note: Synopsis should not be more than 3-4 pages.

Project Report Formulation

Front Page.

College Certificate Page.

Declaration Page.

Acknowledgment Page.

Project Profile.

Index or Content Page.

i. *Contents ———

Appendices

- i. List Figures, Tables& Charts.
- ii. Approved copy of Synopsis.

Glossary

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- i. Introduction.
- ii. Objectives.
- iii. Preliminary System Analysis.
 - Preliminary Investigation.
 - Present System in Use.
 - Flaws in Present System.
 - Need of New System.
 - Feasibility Study.
 - Project Category.
- iv. Software Engineering Paradigm Applied
 - Modules
 - System / Modular Chart.
- v. Software & Hardware Requirement Specification.
- vi. Detailed System Analysis.
 - Data Flow Diagram.
 - Numbers of Modules and Process Logic.
 - Data Structures and Tables.
 - Entity-Relationship Diagram.
- vii. System Design.
 - Form Design.
 - Source Code.
 - Input screen & Output Screen.
- viii. Testing &Validation Checks.
- ix. System Security Measures.
- x. Implementation, Evaluation and Maintenance.
- xi. Future Scope of the project.
- xii. Suggestion & Conclusion

xiii. Bibliography& References.

Note:-

- i. A Student is expected to complete the Assignments based on Syllabus of Practical subjects and submit the same in the form of a files (assignment Record) at the end of Academic Session for the evaluation purpose.
- A student should submit internal assessment of each theory paper prescribed by the subject teacher.
- iii. A Student is expected to deliver a seminar on any course curricular subject / latest trends in IT relevant subject per semester for internal assessment.

Classification Of Marks on Project :-

Total Marks	100
Viva voce (Internal)	20
Viva voce (External)	40
Report & Documentation	40

The marks of Project shall be notified as a whole out of 100 in Foil/C-Foil.

(B)Practical and Classification of Marks on Practical

- 1. Practical exam shall be of 4 hours duration.
- 2. The Practical Record of every student shall carry a certificate as shown below, dulysigned by the teacher-in-charge and the Head of the Department.
- 3. If the student fails to submit his / her certified Practical Record duly signed by the Teacher-In-Charge and the Head of the Department, he / she shall not be allowed to appear for the Practical Examination and no Marks shall be allotted to the student.
- 4. After Viva-Voce and evaluation of practical records of a student by the Internal & External Examiner, both examiners should sign on the certificate of practical records.
- 5. The certificate template shall be as follows:

Name of the college / Institution Name of the Department:

CERTIFICATE

This is to certify that Mr./Mr.	s./Ms					-
of class MCM Part	Semester has	satisfact	orily com	pleted	the	practical
experimentsprescribed by	RastrashantTukdojiMaharaj	Nagpur	University	y for	the	subject
	during the academic year					
Signature Practical In-charge Hea	nd of the Department	Signatu	ıre			
Signature Internal Examiner		Signatu Extern	ıre ı al Exam i	iner		
Date:	_					
# Classification Of P		_				
Practical -			Marks 40			
1.	Writing a Program or Problen (Algorithm & Flowchart)	11 4	+0			
2.	Execute on a computer					
3.	Taking Hard Copy					
Practical – I	l					
1.	Writing a Program or Problen (Algorithm & Program)	n 2	20			
Viva Voce		2	20			
Practical Re	ecord	2	20			
Total Marks		1	100	_ _		

The marks of Practical shall be notified as a whole out of 100 in Foil/C-Foil.

APPENDIX -C

Absorption Scheme MCM

It is notified for general information of all concerned that the failure students of **MCM OldCourse** (SemesterPattern) shall be absorbed in the **New Course CBCS Pattern** introduced from the session 2016-2017 Examination with the following scheme.

- 1) The Failure students of MCM I (Semester I & Semester II) and MCM II (Semester III & Semester IV) as per Old Course (Semester Pattern) appeared in Sum 2016 should clear their backlog papers of MCM I (Semester I & Semester II) and MCM II (Semester III & Semester IV) Old Course (Semester Pattern) till Winter 2017. If they fail to complete & pass till Winter 2017, then they will have to appear in parallel papers of New Course CBCS Pattern (Choice Based Credit System) as per absorption scheme indicated in Appendix D.
- 2) The Failure students of <u>MCM II (Semester III)</u> as per Old Course (Semester Pattern) appeared in Winter 2016 should clear their backlog papers of MCM II (Semester III) Old Course (Semester Pattern) till Summer 2018. If they fail to complete & pass till Summer 2018, then they will have to appear in parallel papers of New Course CBCS Pattern (Choice Based Credit System) as per absorption scheme indicated in <u>Appendix D</u>.
- 3) The Failure students of <u>MCM II (Semester IV)</u> as per Old Course (Semester Pattern) appeared in Summer 2017 should clear their backlog papers of MCM II (Semester IV) Old Course (Semester Pattern) till Winter 2018. If they fail to complete & pass till Winter 2018, then they will have to appear in parallel papers of New Course CBCS Pattern (Choice Based Credit System) as per absorption scheme indicated in <u>Appendix D</u>.

APPENDIX -D

(A) MCM Part – I (Semester - I)

Old Course (Semester Pattern)→New Course CBCS Pattern (Choice Based Credit System)

Sr. No	Old Course (Semester Pattern)	M. Marks	Sr. No	New Course CBCS Pattern (Choice Based Credit System)	Max Marks				
	Semester – I								
Theo	ry		Theory						
I	Fundamental of Information Technology	80	1CMT1	Fundamental of Information Technology	80				
II	Programming in C	80	1CMT2	Programming in C & OOPs Concept	80				
III	Introduction to Operating Systems	80	1CMT3	Introduction to Operating Systems	80				
IV	Computerized Accounting (Tally)	80	1CMT4	Computerized Accounting (Tally ERP 9)	80				
Pract	tical		Practical						
P-I	Practical - I : Programming in C & Operating Systems	100	1CMP5	Practical - I : Programming in C & Operating Systems	100				
P-II	Practical -II : Tally & MS- Office	100	1CMP6	Practical - II : Tally (ERP 9) &Ms-Office	100				

(B) MCM Part – I (Semester - II)

Old Course (Semester Pattern)→New Course CBCS Pattern (Choice Based Credit System)

Sr. No	Old Course (Semester Pattern)	M. Marks	Sr. No	New Course CBCS Pattern (Choice Based Credit System)	Max Marks			
Semester – II								
Theory			Theory					
I	Management Information Systems and Software Engineering	80	2CMT1	Management Information Systems	80			
II	Visual Basic Programming	80	2CMT2	Core Java	80			
III	Principles & Techniques of Management	80	2CMT3	Quantity Techniques & Operation Research	80			
IV	E-Commerce and Web Designing	80	2CMT4	E-Commerce and Web Designing	80			
Practical			Practical					
P-I	Practical-I: Visual Basic	100	2CMP5	Practical-I :Core Java	100			
P-II	Practical-II : HTML, JavaScript	100	2CMP6	Practical-II : HTML, JavaScript	100			

(C) MCM Part - II (Semester - III)

Old Course (Semester Pattern)→New Course Pattern (Choice Based Credit System)

Sr. No	Old Course (Semester Pattern)	M. Marks	Sr. No	New Course Pattern (Choice Based Credit System)	Max Marks			
Semester – III								
Theory			Theory					
I	Quantitative Techniques & OR	80	3CMT1	Advance Database Management System	80			
II	Core Java	80	3CMT2	Principles & Techniques of Management	80			
Ш	DBMS and oracle	80	3СМТ3	Electives: (i) PHP & MySQL (ii) VB.Net (iii) C#.Net	80			
IV	Research Methodology & Software Product & Project Management	80	3CMT4	Compulsory Foundation (i) Research Methodology	80			
Practical			Practical					
P-I	Practical-I : Core Java	100	3CMP5	Practical- I :SQL & PL/SQL	100			
P-II	Practical-II : Oracle	100	3CMP6	Practical-II :Electives	100			

(D) MCM Part - II (Semester - IV)

Old Course (Semester Pattern)→New Course Pattern (Choice Based Credit System)

Sr. No	Old Course (Semester Pattern)	M. Marks	Sr. No	New Course Pattern (Choice Based Credit System)	Max Marks			
Semester – IV								
Theory			Theory					
I	Information Security & Cyber Laws	80	4CMT1	ASP.Net	80			
II	PHP& My-SQL	80	4CMT2	Electives:	80			
				(i) Advance Java				
				(ii) Android Programming				
				(iii) Python				
III	Electives : (i) Advanced Java (ii) OOPS & C++ (iii) ASP.Net	80	4CMT3	Elective Foundation:	80			
				(i) Big Data &Hadoop				
				(ii) Software Engineering				
				(iii)Strategic Management				
Practical			Practical					
P - I	Practical-I : PHP& My-SQL	80	4CMP4	Practical-I:ASP.Net	100			
P - II	Practical-II : Elective	100	4CMP5	Practical-II:Electives	100			
Project			Project					
Proj	PROJECT	100	4CMP6	PROJECT	100			



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

DIRECTION NO. 44 OF 2016

DIRECTION GOVERNING THE EXAMINATION LEADING TO THE DEGREE OF POST GRADUATE DIPLOMA IN COMPUTER COMMERCIAL APPLICATIONS (PGDCCA) Choice Based Credit System (CBCS)

WHEREAS the Maharashtra Universities Act No. XXXV of 1994 has come into force with effect from 22nd July,1994

AND

WHEREAS the amendment to the said Act came to be effected from 2016-2017

AND

WHEREAS the Faculty of Commerce at its meeting held on 14.2.2012 have decided to update and upgrade the existing syllabus for the award of the degree of Post GraduateDiploma in Computer Commercial Applications (PGDCCA) commensurate with the curricula existing in the various Universities in India and with a view to include the latest trends in the commerce stream as well as to design it to suit to the needs of the industries and corporate houses as provided under Section 38(a) of the Act.

AND

WHEREAS the Coordinator of the Faculty of Commerce concurred with the recommendations of the Special Task Committee in Computer Application in the Faculty of Commerce.

<u>AND</u>

WHEREAS the Special Task Committee in Computer Application in its meetings held on 24.2.2016 updated the existing syllabi and recommended some modifications in the scheme of examination for postgraduate courses,

AND

WHEREAS the Coordinator, Faculty of Commerce has consented to the changes in the syllabus and the scheme of examination for the award of Post Graduate Diploma in Computer Commercial Applications (PGDCCA),

AND

WHEREAS the Vice-Chancellor, Nagpur University, Nagpur approved the recommendations so made by the Special Task Committee in the Faculty of Commerce duly concurred by the Coordinator, Faculty of Commerce as required under Section 38 (a) of the Act.

AND

WHEREAS it is expedient to provide and Ordinance for the purpose of prescribing examinations leading to the Post Diploma of Post Graduate Diploma in Computer Commercial Applications (PGDCCA) in the Faculty of Commerce and phasic repeal of Ordinance No. 21 of 1994 governing the existing course of Post Graduate Diploma in Computer Commercial Applications (PGDCCA).

AND

WHEREAS As per the Advice of the Vice Chancellor, Coordinator, Faculty of Commerce & Coordinator, Special Task Committee (Computer Application) in the meeting held on 24.2.2016 constituted sub-committee for syllabus restructuring of PGDCCA with Semester pattern.

The Sub-committee submitted the Semester Draft Syllabus of PGDCCA in meeting held on 24.2.2016.

Now, therefore, I, Dr. S. P. Kane, Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in exercise of the powers vested in me under Section 14(8) of the Maharashtra University Act of 1994 do hereby issue the following direction:

This direction shall be called "DIRECTION REGARDING EXAMINATIONS LEADING TO THE POST GRADUATE DIPLOMA IN COMPUTER COMMERCIAL APPLICATIONS (PGDCCA) IN THE FACULTY OF COMMERCE, RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR".

1. There shall be TWO examinations leading to the degree of Post Graduate Diploma in Computer Commercial Applications (PGDCCA) namely:

Part-I

- (1) The Post Graduate Diploma in Computer Commercial Applications (PGDCCA) Semester I Examination,
- (2) The Post Graduate Diploma in Computer Commercial Applications (PGDCCA) Semester II Examination.

- 2. The duration of the Post Diploma Course under this shall be of one academic years. The PGDCCA Semester - I Examination at the end of the first Semester and PGDCCA Semester - II Examination at the end of the Second Semester in First Year.
- 3. The Examinations Specified in above paragraph (i.e., Paragraph 2) above shall be held twice a year (Winter + Summer) at such places and on such dates as may be fixed by the University.
- 4. The details of the procedure for admission as well as eligibility for examination of:
 - (A) An applicant of the **PGDCCASemester I** Examination shall have :
 - (i) Obtained a Bachelor degree of this University or an equivalent Bachelor Degree of any statutory University in any faculty.
 - (ii) Prosecuted a regular course of study for not less than one Semester in any recognized institution or college affiliated to the R. T. M. Nagpur University where the course will be conducted.
 - (B) An applicant of the **PGDCCASemester II** Examination shall have :

Appeared PGDCCA Semester – I Examination of this University

Admission to Semester	Candidate should have passed in following examinations	Candidate should have competed the term and filled examination form
Semester - I	Degree Examination	-
Semester - II	-	Semester – I

- 5. Without prejudice to the other provisions of Ordinance No. 6 relating to the Examinations in General, the provisions of Paragraphs 5, 7, 8, 10, 26 and 31 of the said Ordinance shall apply to every collegiate candidate.
- 6. The fees for the examination shall be as prescribed by the Management Council from time to time and whenever any change is made in the fees prescribed for any particular examination that shall be notified through a notification for information of the examinees concerned.

With the issuance of this Direction, The Direction No 23 of 2012 (Credit based Semester Pattern) shall stand repealed.

Nagpur Date :21.6.2016

Sd/-Dr. S. P. Kane Vice-Chancellor

7. Teaching and Examination Scheme

Post Graduate Diploma in Computer Commercial Applications (PGDCCA)

(A) PGDCCA Part-I

Semester - I

Course Code	Subjects	Paper	Teaching Scheme per weeks (hr)	End Sem Examination	Min Marks	Internal Assessment	Min Marks	Credits
Theory								
1CPT1	Fundamental of Information Technology	I	4	80	40	20	10	4
1CPT2	Programming in C & OOPs Concept	II	4	80	40	20	10	4
1CPT3	Introduction to Operating Systems	III	4	80	40	20	10	4
1CPT4	Computerized Accounting (Tally ERP 9)	IV	4	80	40	20	10	4
Practical								
1CPP5	Practical-I :Programming in C & Operating Systems	P-I	8	100	50	Nil	Nil	4
1CPP6	Practical-II :Tally (ERP 9)& MS-Office	P-II	8	100	50	Nil	Nil	4
	Total		32	520		80		24

Notes:

- 1. Duration of one Theory/Practical period is 1 hour.
- 2. The candidate has to pass theory papers and practical paper separately.
- 3. One credit is equivalent to one hour of Teaching or two hours of Practical Work per week.
- 4. Each semester will consist of 15 18 weeks of Academic Work equivalent to 90 actual teaching days.
- 5. The odd semester may be scheduled from July to December and even semester from January to June.

(B) PGDCCA Part-I

Semester - II

Course	Subjects	Paper	Teaching Scheme per weeks (hr)	End Sem Examination	Min Marks	Internal Assessment	Min Marks	Credits
Theory								
2CPT1	Management Information Systems	I	4	80	40	20	10	4
2CPT2	Core Java	II	4	80	40	20	10	4
2CPT3	Quantity Techniques & Operation Research	Ш	4	80	40	20	10	4
2CMT4	E-Commerce and Web Designing	IV	4	80	40	20	10	4
Practical								
2CPP5	Practical-I :Core Java	P-I	8	100	50	Nil	Nil	4
2CPP6	Practical-II: HTML, JavaScript	P-II	8	100	50	Nil	Nil	4
Project								
2CPP7	Project	Project	8	100	50	Nil	Nil	4
	Total		40	620		80		28

Notes:

- 1. Duration of one theory/practical period is 1 hour.
- 2. The candidate has to pass theory papers and practical paper separately.
- 3. One credit is equivalent to one hour of teaching or two hours of practical Work per week.
- 4. Each semester will consist of 15 18 weeks of academic Work equivalent to 90 actual teaching days.
- 5. The odd semester may be scheduled from July to December and even semester from January to June.

- 8. In order to pass the examination, an examinee shall obtain not less than 50 % marks in each of the theory papers and each of the practical and the project and Internal Assessment (Sessional) separately.
 - (A) An examinee who is unsuccessful in the examination shall be eligible for admission to the subsequent examinations on payment of a fresh fee prescribed for the examination together with the conditions of the ordinance in force from time to time.
- 9. (A) The scope of the subjects and pattern of examination shall be as indicated insyllabi.
 - (B) The Medium of instructions and examinations shall be in ENGLISH only.

11. ASSESSMENT

- The final total assessment of the candidates is made in terms of an internal assessment (Sessional) and an external assessment for each course.
- For each paper, 20 marks will be based on internal assessment and 80 marks for semester end examination (external assessment), unless otherwise stated.
- The division of the 20 marks allotted to internal assessment of theory papers should based on class test, attendance, project assignments, seminar, power point presentation, fieldwork, group discussions or any other innovative practice / activity as determined by the teacher in respective subject and moderated by Head of the Institute/Principal.
- There shall be no separate / extra allotment of workload to the concerned teacher. He/ She shall conduct the internal assessment activity during the regular teaching days / periods as a part of regular teaching activity.
- At the beginning of each semester, every teacher shall inform his / her students unambiguously the method he / she propose to adopt and the scheme of marking for internal assessment with the prior permission of HOD / principal.

- An unsuccessful examinee at any internal shall be eligible for reexamination on payment of fresh examination fee prescribed by the University as per the respective directions.
- The internal marks will be communicated to the University at the end of each semester, but before the semester end examinations. These marks will be considered for the declaration of the results.
- The record of internal marks, evaluation & result should be maintained for a period of one year by respective institute/college for verification by competent authority.
- The maximum and minimum marks which each subject carries in PGDCCA Semester – I and Semester - II Examination are as indicated in Paragraph 7. A and B respectively.
- A copy of Project work shall be submitted to college prior to commencement of Semester - II Examination for Evaluation by Internal and External Examiner appointed as per University rules.
- Candidate shall submit his/her declaration that the Project is a result of his/her own
 work and the same has not been previously submitted to any examination of this
 University or any other University.
- The Practical Examination of each Semester will be conducted by Internal and External Examiner appointed as per University rules.
- If an examinee failed to pass the PGDCCA Post Diploma within three successive
 years from the date of his/her first admission to particular programme he/she shall
 be declared as "Not Fit for the Course" (NFC) and he/she will not be allowed to
 appear further for any examination of the course.

STANDARD OF PASSING

- Every candidate must secure 50% marks in each head of passing.
- The passing marks for external examination will thus be 40 out of 80 and for internal examination, 10 out of 20 and aggregate marks taking both together will be 50 marks.
- There shall be no internal marks in Practical and Project Examination.
- (A) There shall be no classification of examinees successful at the PGDCCASemester – I and Semester – IIExaminations whereas SGPA will be notified.

* Conversion of Marks to Grades and Calculations of SGPA (Grade Point Average) and CGPA (Cumulative Grade Point Average): In the Credit and Grade Point System, the assessment of individual Courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grades by some mechanism wherein the overall performance of the Learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviations and formulae used are as follows:-

Abbreviations and Formulae Used

G: Grade

GP: Grade Points

C: Credits

CP: Credit Points

CG: Credits X Grades (Product of credits & Grades)

SGPA = \SigmaCG:Sum of Product of Credits & Grades points / Σ C: Sum of Credits points

SGPA: Semester Grade Point Average shall be calculated for individual semesters. (It is also designated as GPA)

CGPA: Cumulative Grade Point Average shall be calculated for the entire Programme by considering all the semesters taken together.

After calculating the SGPA for an individual semester and the CGPA for entire programme, the value can be matched with the grade in the Grade Point table as per the ten (10) Points Grading System and expressed as a single designated GRADE such as O, A+, A, B+, B, etc.

Marks	Grade	Grade Points
85 and above	O (Outstanding)	10
75 - 84	A+ (Distinction)	9
71 - 74	A (Very Good)	8
61 - 70	B+ (Good)	7
55 - 60	B(Above Average)	6
50 - 54	C (Average)	5
40 - 49	P (Pass)	4
00 - 39	F (Fail)	0
	AB (Absent)	0

- A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.
- (B) Division at the PGDCCASemester II Examination shall be declared based on the aggregate marks at the PGDCCASemester – I and Semester – II Examination taken together and the CGPA will be calculated and notified.
- (C) Successful examinees at the PGDCCA Semester II Examination shall be awarded division based on CGPA as follows:

CGPA Range	Final Grade	Equivalent Class/ Division
9.01 to 10.00	0	First Division (Outstanding)
8.01 to 9.00	A+ (Distinction)	First Division(Distinction)
7.01 to 8.00	A(Very Good)	First Division (Very Good)
6.01 to 7.00	B+(Good)	First Division (Good)
5.55 to 6.00	B(Above Average)	Second Division (Above Average)
5.00 to 5.54	C(Average)	Second Division (Average)
4.00 to 4.99	P (Pass)	Pass
0	F (Fail)	Fail
0	AB(Absent)	Absent

- 12. Successful examinees in the PGDCCASemester Examination shall be awarded Distinction in each subject in which examinees obtain 75% or more marks in that subject at the respective Examination.
- 13. Unsuccessful examinees at the above examinations can be readmitted to the same examination on payment of a fresh fee and such other fees as may be prescribed by university.
- 14. Provisions of ordinance No 3 of 2007, relating to the award of grace marks for passing an examination, securing higher division / class and for securing distinction in subject(s) shall be applicable.
- 15. Notwithstanding anything to the contrary in this Direction, no person shall be admitted to an examination under this Ordinance, if he/ she has already passed the same examination or an equivalent examination of any other University.
- Examinees successful at PGDCCASemester I and Semester II Examination shall on payment of the prescribed fees receive a Degree in the prescribed form signed by the Vice-Chancellor.

- 17. This Scheme shall come into force from the academic session 2016-17.
- 18. The Provisions of Ordinance No. 21 of 1994 governing the existing course for Post Graduate Diploma in Computer Commercial Applications (PGDCCA) stands repealed physically on implementation of this Direction.

APPENDIX -A

QUESTION PAPER PATTERN

First / Second / Third / Fourth Semester Post Graduate Diploma in Computer Commercial Applications (PGDCCA) Examination Choice Based Credit System (CBCS)

Subject Name Paper - I

Time: 3 Hours Total Marks: 80

N. B. - a) Draw well labeled diagram wherever necessary.

b) All questions are compulsory.

Part - A

N. B. – 1. Each question carries two marks.

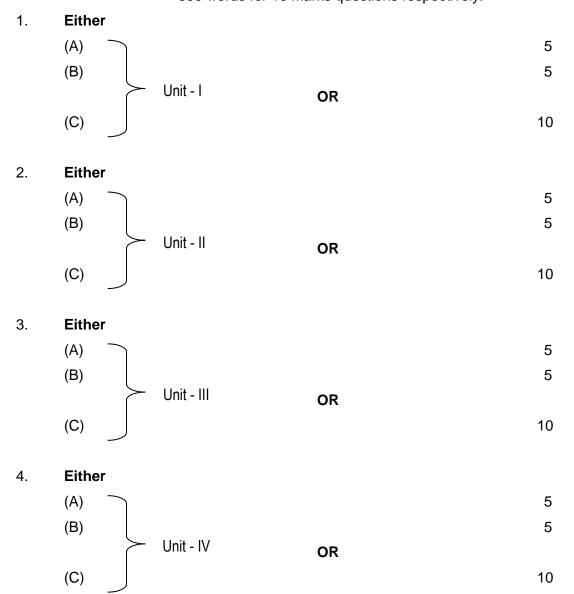
2. Answers should not more than five lines.

Part - B

N. B. – 1. Each question carries three marks.

2. Answers should not more than ten lines.

- N. B. 1. Each question carries five marks.
 - 2. Answers should not more than 400 words for 5 marks questions and 600 words for 10 Marks questions respectively.



APPENDIX -B

(A) Project and Classification of Marks on Project

Towards the end of the second year of study, a student will be examined in the course "Project Work".

- a. Project Work may be done individually or in groups (Maximum 3 students) in case of bigger projects. However if project is done in groups, each student must be given a responsibility for a distinct module and care should be taken to monitor the progress of individual student.
- b. The Project Work should be done using the tools covered in Post Graduate Diploma in Computer Commercial Applications (PGDCCA).
- c. The Project Work should be of such a nature that it could prove useful or be relevant from the commercial / management angle.
- d. The project work will carry 100 marks.
- e. Project Work can be carried out in the Institute or outside with prior permission of the Institute.
- f. The external viva-voce examination for Project Work would be held as per the Examination Time Table of the second year of study, by a panel of one external and one Internal Examiner.

Types of Project

As majority of the students are expected to work out a project in some industry/research and development laboratories/educational institutions/software export companies, it is suggested that the project is to be chosen which should have some direct relevance in day-today activities of the candidates in his/her institution. The Applications Areas of project - Financial/Marketing/Database Management System/ Relational Database Management System/E-Commerce /Internet/ Manufacturing/ web Designing / Scientific / ERP etc.

Project Proposal (Synopsis)

The project proposal should be prepared in consultation with the guide. The project guide must be a person having minimum Qualification MCM/ M.Sc. (Computer Science + Information Technology)/ M.Sc. (Mathematics /Electronics/Statistics/Physics + Post B.Sc. Diploma in Computer Science& Application)/MCA. The project proposal should clearly state the objectives and environment of the proposed project to be undertaken. It should have full details in the following form:

Format of Synopsis for Desktop Application

- 1. Title of the Project.
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- 4. Tools/Platform and Languages to be used.
- Complete Structure of the System:
 - i. Numbers of Modules and its Description.
 - ii. Modular Chart / System Chart.
 - iii. Data Structures or Tables.
 - iv. Process Logic of each Module.
 - v. Types of Report Generation.
- 6. References.

Note: Synopsis should not be more than 3-4 pages.

Format of Synopsis for Web Application

- 1. Title of the Project.
- 2. Objectives of the Project.
- 3. Project Category (DBMS/RDBMS/OOPSetc.).

- 4. Tools/Platform and Languages to be used.
- 5. Complete Structure of the System:
 - i. Number of pages and links their short description.
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- xii. Suggestion & Conclusion
- xiii. Bibliography& References.

Note:-

- i. A Student is expected to complete the Assignments based on Syllabus of Practical subjects and submit the same in the form of a files (assignment Record) at the end of Academic Session for the evaluation purpose.
- ii. A student should submit internal assessment of each theory paper prescribed by the subject teacher.
- iii. A Student is expected to deliver a seminar on any course curricular subject / latest trends in IT relevant subject per semester for internal assessment.

Classification Of Marks on Project :-

Total Marks	100
Viva voce (Internal)	20
Viva voce (External)	40
Report & Documentation	40

The marks of Project shall be notified as a whole out of 100 in Foil/C-Foil.

(B)Practical and Classification of Marks on Practical

- 1. Practical exam shall be of 4 hours duration.
- 2. The Practical Record of every student shall carry a certificate as shown below, dulysigned by the teacher-in-charge and the Head of the Department.

- 3. If the student fails to submit his / her certified Practical Record duly signed by the Teacher-In-Charge and the Head of the Department, he / she shall not be allowed to appear for the Practical Examination and no Marks shall be allotted to the student.
- 4. After Viva-Voce and evaluation of practical records of a student by the Internal & External Examiner, both examiners should sign on the certificate of practical records.
- 5. The certificate template shall be as follows:

Name of the college / Institution Name of the Department:

CERTIFICATE

This is to certify that Mr./Mrs./M	Ms			
of class PGDCCA Part	Semester h	as satisfact	orily completed the	he practical
experiments prescribed by R	lastrashant Tukdoji Mah			the subject
Signature Practical In-charge Head	of the Department	Signatu	re	
Signature Internal Examiner		Signatu Extern	re al Examiner	
Date:				
# Classification Of Practical	tical Marks :-		Anulan	
Practical – I 1. V	Writing a Program or Prob	= -	Marks 10	
	Algorithm & Flowchart)	10111 4	.0	
	Execute on a computer			
	Taking Hard Copy			
Practical – II				
	Vriting a Program or Prob Algorithm & Program)	lem 2	20	
Viva Voce `	3 ,	2	20	
Practical Reco	rd 	2	20	
Total Marks		1	00	

The marks of Practical shall be notified as a whole out of 100 in Foil/C-Foil.



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR FACULTY OF ARTS DIRECTION NO. 50_ OF 2016

DIRECTION RELATING TO THE EXAMINATION LEADING TO THE DEGREE OF MASTER OF ARTS, SEMESTER PATTERN (CHOICE BASED CREDIT SYSTEM) (FACULTY OF ARTS)

(Issued under Section 14(8) of the Maharashtra Universities Act, 1994)

Whereas, Maharashtra Universities Act, 1994 (hereinafter referred to as Act) has come into force from 22_{nd} July, 1994 and was amended from time to time,

AND

Whereas, the University Grants Commission, New Delhi vide letter No.D.O.No.F-1-1/2015 (CM) dated 8th January 2015 regarding reforms pertaining to the introduction of Choice Based Credit System at the earliest from the academic session 2015-16 to provide option to students and also seamless mobility across the institutions.

AND

Whereas, the Special Task Force Committee in all the Arts subjects prepared the syllabi and scheme of examination for the M.A. course and recommended for starting of the Choice Based Credit System in Faculty of Arts from the academic session 2016-17.

AND

Whereas the Hon'ble Vice Chancellor under 14/7 on behalf of the Board of Studies and Faculty has considered, accepted and recommended to Academic Council, the policy decision regarding introduction of Choice Based Credit System and the draft syllabi of M.A. Semester-I to IV with draft direction and other details.

AND

Whereas, the Academic Council in its meeting held on 08/06/2016 vide item No. 4(A & B) has considered, accepted and recommended to Management Council, for M.A. along with draft direction and other details.

AND

Whereas, the Management Council in its meeting held on 14/06/2016 vide item No. 99 (A & B) has considered, accepted the draft direction and other details.

AND

Whereas, the new draft direction and scheme of examination as per semester pattern is to be implemented from the Academic Session 2016-17 for M.A. semester I and onwards which is to be regulated by this direction and as such there is no existence and framing of an Ordinance for the above examination is a time consuming process.

AND

Whereas, the admission of students in the Choice Based Credit System at M.A. Semester I and onwards are to be made in the Academic Session 2016-17.

AND

Whereas, ordinance making is a time consuming process, therefore, I, Dr. S. P. Kane, Vice Chancellor Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in exercise of powers vested under Section 14(8) of the Act do hereby issue the following Direction.

1. This Direction may be called "Direction relating to examinations leading to the Degree of Master of Arts, Semester Pattern (Choice Based Credit System).

- 2. The direction shall come into force from the date of its issue by Hon'ble Vice Chancellor and shall remain in force till the relevant ordinance comes into being in accordance with the provisions of the Act.
- 3. The duration of the M.A. course shall be of two academic years consisting of four semesters with the University examinations at the end of each semester namely:
- a) M.A. Semester I Exam
- b) M.A. Semester II Exam
- c) M.A. Semester III Exam
- d) M.A. Semester IV Exam
- 4.The theory examination of Semester-I, II, III and IV shall be conducted by the University and shall be held separately at the end of each semester at such places and dates as may be decided and notified by the University and shall be held as per the schedule given in the Table below.

Sr. No.	Name of the examination		Supplementary Examination
1	Semester I & III	Winter	Summer
2	Semester II & IV	Summer	Winter

ELIGIBILITY TO THE COURSE:

- 6. Subject to the compliance with the provisions of this Direction and of other Ordinance in force from time to time an applicant to semester I examination shall have passed the Bachelor Degree examination of this University or any other statutory recognized University as equivalent to the Bachelor Degree of this University.
- 7. Semester Examinations:

A		Students who have fulfilled the eligibility criteria as
		mentioned in Section 6 and have been admitted to this
	M.A. Semester I Examination	course in Semester I
В		Students who have been admitted to this course in
	M.A. Semester II Examination	semester II.
C	M.A. Semester III Examination	Students who have been admitted to this course in
		semester III.
D	M.A. Semester IV Examination	Students who have been admitted to this course in
		semester IV

(Note: Subject to the Rules of ATKT as mentioned in para 8 of this direction)

8) A) The ATKT rules for admission for the M.A. Course (Theory and Internal Assessment as separate passing head and on calculation fraction, if any, shall be ignored) shall be as given in the following table

Admission to Semester	Candidate should have passed in all the subjects of the following examination of R.T.M. Nagpur University	Candidate should have passed at least 50% of the passing heads of the following examinations
Semester I	As provided in the para 6 of the direction	
Semester II		
Semester III		Semester I and II taken together
Semester IV		

- 9) Without prejudice to other provisions of Ordinance no. 6 relating to the examination in general, provisions of Para 5, 8, 9, 10, 26, 31 and 32 of the said ordinance shall apply to every student admitted to this course.
- 10) The fees for the tuition, examination, laboratory and other fees shall be as prescribed by the university from time to time.
- 11) (a) The scope of the subjects shall be as prescribed in the syllabus.
 - (b) The medium of instruction and examination shall be English, Hindi, Marathi, Urdu, Arabic, Persian, Sanskrit, Pali and Prakrit,
- 12) The number of papers and maximum marks assigned to each paper and minimum marks / grade, an examinee must obtain in order to pass the examination shall be as prescribed in appendices appended with this direction.
- 13) The examinee at each of the examination shall have option of not being declared successful at the examination in case he / she does not secure a minimum of grade equivalent to 55% marks at the examination. This option will have to be exercised every time the application is submitted to any of the examinations. Once this option is exercised, the option shall be binding on the examinee and it shall not be evoked in under any circumstances.
- 14) The classification of the examinee successful at the semester and examinations and at the end of final semester examination shall be as per the rules and regulations of Choice Based Credit System as prescribed in appendices, appended with this direction.
- 15) The provisions of Ordinance no. 3 of 2007 for the award of grace marks for passing an examination, securing higher grade in subject(s) as updated from time to time shall apply to the examination under this direction.
- 16) The names of the successful examinee passing the examination as a whole in the minimum prescribed period and securing the grades equivalent to first and second division shall be arranged in order of merit as provided in ordinance 6 relating to examination in general.
- 17) Successful examinees at the end of M.A. Semester-IV Examination who obtained CGPA above 7.51 shall be placed in First Division with distinction, those obtaining CGPA from 6.00 to 7.50 shall be placed in First Division, those obtaining CGPA from 4.50 to 5.99 shall be placed in Second Division and those obtaining CGPA from 4.00 to 4.49 shall be placed in Third Division.
- 18) No candidate shall be admitted to an examination under this direction, if he / she has already passed the same examination of this university or of any other university.
- 19) Successful examinees at the M.A. Semester I, II, III, & IV Examinations shall be entitled to receive a Certificate signed by the Controller of Examination of University (COE) and successful examinees at the end of M.A. Semester IV examination shall, on payment of prescribed fees, receive a Degree in the prescribed format, signed by the Vice-Chancellor.
- 20) This course is based on Choice Based Credit System and therefore, it will be also regulated by guidelines and regulation given in appendices which are part of this direction.
- 21) Absorption scheme for failure students of the credit based semester pattern:
- a) While switching over to Choice Based Credit System, the failure students of credit based semester pattern will be given **Five** chances to clear the examination.
- b) The candidates who have cleared first and second semester of Part I of the Credit Based Semester Pattern examination in the concerned subject shall get admission to Third Semester of Part II of the Choice Based Credit System directly. However, candidates who are allowed to keep term will not be eligible for admission to Third Semester of Part II of the Choice Based Credit System unless they clear all the papers and practical (where applicable) of first and second semester of Part I of the Credit Based Semester Pattern examination.

- 22) Absorption scheme for failure students of annual pattern:
 - The candidates who have cleared first year of annual pattern shall get admission to Semester III of the Choice Based Credit System directly. However, candidates who are allowed to keep term will not be eligible for admission to Third Semester of the Choice Based Credit System unless they clear all the papers and practical of First year of the annual pattern examination.
- 23) If an examinee failed to pass the M.A. Degree with five successive years from the date of his/her first admission to particular programme he/she shall be declared as 'Not fit for the Course' (NFC) and he/she will not be allowed to appear further for any exam of the same course.
- 24) Every applicant for admission to the examination shall offered one of the following subject, viz.-
 - (1) English (2) Marathi (3) Hindi (4) Sanskrit (5) Urdu (6) Gujarathi (7) Pali and Prakrit (8) Persian (9) Arabic (10) Linguistics (11) Music (12) Bengoli (13) German (14) French (15) Russian.
- 25) With issuance of this direction No.50 of 2016. The Direction No. 13 of 2016 shall stand repealed.

Nagpur : Dr. Shidharth Vinayak Kane Dated : 21/06/2016 Vice-Chancellor

Appendix-1

Semester	Semester I & II for M.A. Programme in all subjects except music and fine arts										
Code	Theory	Teaching Scheme			Examination Scheme						
		(Hou	rs/Wee	k)							
		Th	Int.	Total		Duration	Max. N	A arks	Total	Mini	imum
			Ass		Credits	in hrs,	Externa	Internal		Pass	ing
					010010		1	1 Assmnt		Marks	
	Paper						marks			Th	Int.
											Ass
Core	1	4		4	4	3	80	20	100	32	08
Core	2	4		4	4	3	80	20	100	32	08
Elective	3	4		4	4	3	80	20	100	32	08
Elective	4	4		4	4	3	80	20	100	32	08
		16		16	16		320	80	400		

Semester	Semester III & IV for M.A. Programme in all subjects except music and fine arts										
Code	Theory	Teacl	ning Sc	heme	eme Examination Scheme						
		(Hou	rs/Weel	k)							
		Th	Int.	Total		Duration	Max. N	J arks	Total	Mini	imum
			Ass		Credits	in hrs,	External	Internal		Passing	
					010010		marks Assmnt			Marks	
	Paper									Th	Int.
											Ass
Core	1	4		4	4	3	80	20	100	32	08
Core	2	4		4	4	3	80	20	100	32	08
Elective	3	4		4	4	3	80	20	100	32	08
Foundation	4	4		4	4	3	80	20	100	32	08
		16		16	16		320	80	400		

1. Internal Assessment Marks will be as per appendix 2 attached in this direction.

Appendix 2

Internal Assessment and Distribution of Marks

Maximum Marks	Presentation in	Assignment (On the	Viva Voce based	Participation in
	Seminar	Topic other than that	on the	departmental
		of the presentation	submitted	activities
		made in the seminar)	assignment	
20	05	05	05	05

Guidelines for Students, Supervisors and Examiners

In each semester the student will have to deliver a seminar on any topic relevant to the syllabus / subject encompassing the recent trends and development in that field / subject. The topic of the seminar will be decided at the beginning of each semester in consultation with the supervising teachers. The student has to deliver the seminar which will be followed by discussion. The seminar will be open to all the teachers of the department, invitees, and students.

The students should submit the assignment properly bound in two copies to the head of the department. The said shall be evaluated by the concerned supervisor / head of the department.

The marks of the Internal Assessment shall be forwarded to the university within due period through head of the Department. The record of the seminar and assignment should be preserved till the declaration of the final result.

- 1. The internal assessment marks shall be awarded by the concerned teacher.
- 2. The internal assessment shall be completed by the College / University at least 15 days prior to the final examination of each semester. The Marks shall be sent to the University immediately after the Assessment in the prescribed format.
- 3. General guidelines for Internal Assessment are:
- a) The internal assessment marks assigned to each theory paper as mentioned in Appendix 1 shall be awarded on the basis of assignments like class test, attendance, home assignments, study tour, visit to educational institutions and research organizations, field work, group discussions or any other innovative practice / activity.
- b) There shall be one assignment (as described above) per Theory paper.
- c) There shall be no separate / extra allotment of work load to the teacher concerned. He/ She shall conduct the internal assessment activity during the regular teaching days / periods as a part of regular teaching activity.
- d) The concerned teacher / department / college shall have to keep the record of all the above activities until six months after the declaration of the results of that semester.
- e) At the beginning of each semester, every teacher / department / college shall inform his / her students unambiguously the method he / she propose to adopt and the scheme of marking for internal assessment.
- f) Teacher shall announce the schedule of activity for internal assessment in advance in consultation with HOD / Principal.
- g) Final submission of internal marks to the University shall be before the commencement of the University Theory / Practical examinations whichever is later.
- 4. **Foundation Course:** Student can choose this paper from any other subject other than his / her main subject for postgraduation.
- 5. One credit of 25 marks for theory will be of one clock hour per week, running for 15 weeks.
- 6. One credit of 25 marks for practical will be of two clock hour per week, running for 15 weeks.

Appendix 3

Practical Examination

1. Each practical carries 100 marks. For the examination, the distribution of the marks shall be as follows:

a. Record / Journal / Internal assessment

b. Practical Performance

: 20 marks – Evaluated by Internal

: 60 marks – Evaluated jointly by

External & Internal

: 20 marks - Evaluated by External

c. Viva-voce

NOTE: Practical performance shall be jointly evaluated by the External and Internal Examiner. In case of discrepancy, the External Examiner's decision shall be final.

- 2. Practical exam shall be of 3 to 8 hours duration for one or two days, depending on subject and number of students.
- 3. The Practical Record of every student shall carry a certificate as shown below, duly signed by the teacher-in-charge and the Head of the Department.
- 4. If the student fails to submit his / her certified Practical Record duly signed by the Teacher-In-Charge and the Head of the Department, he / she shall not be allowed to appear for the Practical Examination and no Marks shall be allotted to the student.

5. The certificate template shall be as follows:

•	rd contains the bonafide record of the Practical work of Shri
Semester	_ during the academic year The candidate has ents prescribed by Rashtrasant Tukdoji Maharaj Nagpur
Dated / /	
Signature of the teacher who taught the 1	e examinee

Head of the Department

Appendix-4

General Rules and Regulations regarding pattern of question paper and choice based credit system:

A) Pattern of Question Paper

- 1. There will be four units in each paper.
- 2. Maximum marks of each theory paper will be 80
- 3. Question paper will consist of five questions, each of 16 marks.
- 4. Four questions will be on four units with internal choice (One question on each unit).
- 5. Fifth question will be compulsory with questions from each of the four units having equal weightage and there will be no internal choice.

B) Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA)

M.A. Program shall consist of four semesters, wherein the student has to complete certain number of credits as indicated in Table 1. Each subject (or course) has fixed number of credits. The types of subject subheads are: Core, Electives, Foundation Course, Seminar and Assignment.

Among the 64 credits which candidate needs to complete and clear for M.A. in any concerned subjects, at least 56 credits must be taken from the parent department where he / she is registered for M.A. Course. The remaining 08 credits may be taken from any other department of university or affiliated colleges offering foundation courses of PG programs.

Table 1: Credit Requirements for Post Graduate Studies

PG	Semester	Core	Elective	Foundation	Total Credits
All M.A. Except Music	I	08	08		16
	II	08	08		16
	III	08	04	04	16
	IV	08	04	04	16
		32	24	08	64

Explanatory terms:

- 1. Core: Major theory papers in the concerned subject.
- 2. **Core Elective:** These papers will be specialization in the concerned subject.
- 3. **Foundation Course:** Student can choose this paper from any other subject other than his main subject for postgraduation. For Ex. An M.A. English student can take such a foundation course paper from Political Science or Economics or History or Marathi subject.
- 4..**Internal Assessment:** The assessment in each semester shall be carried out in candidate's parent department only.

Credits:

It is a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work / field work per week.

For example a subject with 6-2-6 (L-T-P) means it has 3 Lectures, 1 Tutorial and 6 Practical in a week. This subject will have ten credits $(6x1 + 2x\frac{1}{2} + 6x\frac{1}{2} = 10)$. If a student is declared pass in a subject, then he/she gets the credits associated with that subject. Depending on the marks scored in a subject, student is given a Grade. Each grade has got certain grade points as follows:

Letter Grade	О	A+	A	B+	В	С	P	F	Ab
Grade Point	10	09	08	07	116	05	04	()	0

A student obtaining Grade F shall be considered failed and will be required to reappear for the examination.

Valuation pattern:

Every credit is for 25 marks and valuation and grade points will be given as per following pattern.

Marks obtained in Theory /	Marks obtained in Theory /	Letter Grade	Grade point
Practical of 100 marks	Practical of 50 marks		_
91-100	46-50	O	10
81-90	41-45	A+	09
71-80	36-40	A	08
61-70	31-35	B+	07
51-60	26-30	В	06
41-50	21-25	С	05
= 40	=20	P	04
<40	<20	F	0
Ab	Ab	Ab	0

• <u>Total marks obtained by the student will be mentioned on the mark sheet along with the grade.</u>

Computation of SGPA and CGPA

Following is the procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

i. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

SGPA (Si) = Σ (Ci x Gi) / Σ Ci

where Ci is the number of credits of the ith course and Gi is the grade point scored by the student in the ith course.

22

Illustration for SGPA

Code	Theory /	Credits	Marks	Out of	Grade	Grade	Credit		
	Practical		Obtained		Point	Letter	Point		
							(Credit x		
							Grade		
							Point)		
Core	Paper 1	4	84	100	9	О	4x9=36		
Core	Paper 2	4	68	100	7	B+	4x7=28		
Elective	Paper 3	4	52	100	6	В	4x6=24		
Foundation	Paper 4	4	47	100	5	С	4x5=20		
	Total	16					108		
	Thus, $SGPA = 108/16 = 6.75$								

Course of Study

Year	Subject	Paper	Title of the paper	Ins.	Credit	Maximum Marks			
/Sem				Hrs/		CIA	Uni.	Total	
				Wee			Exam		
				k					
I	Core	101	English Poetry from Chaucer to Milton	4	4	20	80	100	
Year	Core	102	English Renaissance Theatre (1562-642)	4	4	20	80	100	
	Elective	103(A)	Indian Writing in English-I	4	4	20	80	100	
I Sem	Elective	103(B)	Indian Diasporic Fiction	4	4	20	80	100	
	Elective	103(C)	Indian Writing In Translation	4	4	20	80	100	
	Elective	103(D)	Indian Literary Criticism	4	4	20	80	100	

	Elective	104(A)	The English Novel - I	4	4	20	80	100
	Elective	104(B)	Comparative Literature	4	4	20	80	100
	Elective	104(C)	History of English Language - I	4	4	20	80	100
	Elective	104(D)	The English Prose – I	4	4	20	80	100
				16	16	80	320	400
	L			I		I	L	<u> </u>
I Year	Core	201	Restoration and Eighteenth Century English Literature	4	4	20	80	100
1 Cai	Core	202	Modern English Drama	4	4	20	80	100
II	Elective	203(A)	Nineteenth Century American Literature	4	4	20	80	100
Sem	Elective	203(B)	Post Colonialism and Literature-I	4	4	20	80	100
Sciii	Elective	203(C)	African Literature	4	4	20	80	100
	Elective	203(D)	Literature and Gender	4	4	20	80	100
	Elective	204(A)	The English Novel - II	4	4	20	80	100
	Elective	204(B)	Cultural Studies	4	4	20	80	100
	Elective	204(C)	History of English Language II	4	4	20	80	100
	Elective	204(D)	The English Prose – II	4	4	20	80	100
				16	16	80	320	400
							I	1
II	Core	301	Literary Criticism and Theory-I	4	4	20	80	100
Yea	Core	302	Romantic and Victorian Poetry	4	4	20	80	100
r	Elective	303(A)	English Comedies	4	4	20	80	100
III	Elective	303(B)	Twentieth Century American Literature	4	4	20	80	100
111	Elective	303(C)	The English Novel - III	4	4	20	80	100
Sem	Elective	303(D)	Post Colonialism and Literature II	4	4	20	80	100
	Foundation	304(A)	Modern Indian Thought	4	4	20	80	100
	Foundation	304(B)	History of English Literature - I	4	4	20	80	100
	Foundation	304(C)	English Language Teaching – I	4	4	20	80	100
	Foundation	304(D)	European Fiction and Drama	4	4	20	80	100
				16	16	80	320	400
		•	•	•	•	•	•	•
II	Core	401	Literary Criticism and Theory-II	4	4	20	80	100
Yea	Core	402	Twentieth Century Poetry	4	4	20	80	100
r	Elective	403(A)	African American Literature	4	4	20	80	100
13.7	Elective	403(B)	Dalit Literature	4	4	20	80	100
IV	Elective	403(C)	Indian Writing in English – II	4	4	20	80	100
Sem	Elective	403(D)	Film Studies	4	4	20	80	100
50111	Foundation	404(A)	Research Methodology	4	4	20	80	100
	Foundation	404(B)	History of English Literature – II	4	4	20	80	100
	Foundation	404(C)	English Language Teaching – II	4	4	20	80	100
	Foundation	404(D)	Environment and Ecocriticism	16	16	80	320	400

ii. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a program, i.e. $CGPA = \Sigma \; (Ci \; x \; Si) \; / \; \Sigma \; Ci$

where Si is the SGPA of the ith semester and Ci is the total number of credits in that semester.

Illustration for CGPA

Semester 1	Semester 2	Semester 3	Semester 4
Credit: 16	Credit: 16	Credit: 16	Credit: 16
SGPA: 6.50	SGPA: 7.83	SGPA: 5.69	SGPA: 6.31

Thus,

CGPA =
$$\underline{16 \times 6.50 + 16 \times 7.83 + 16 \times 5.69 + 16 \times 6.31}$$

$$= 104.00 + 125.28 + 91.04 + 100.96$$
 $= 421.28 = 6.5825$ i.e. 6.58

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts. Ex. 7.0765 = 7.08 or 6.5168 = 6.52 etc.

Transcript (Format): Based on the above recommendations on Letter grades, grade points and SGPA and CCPA, the HEIs may issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.



राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर

पशासन् विद्यापीय अधिनियम, १९९४ प्रास संपालित सन्य विद्यापीत) (विद्या विभाग)

छत्रपती शिवाजी महाराज प्रशासकीय परिसर, रविन्द्रनाथ टागोर मार्ग, नागपूर – ४४० ००१. दुरध्वनी क्रमांकः कार्यालयः ०७१२-२५३२०६३ फॅक्स

क्र. रातुमनावि/विद्या/१६/१०५५ (अ)

दिनांकं अट जुन, २०१६

अधिसचना

सर्व संबंधीतांच्या माहितीकरीता सुचित करण्यात येते की, कला विद्याशाखे अंतर्गत येणारे खालील पटवी अभ्यासकम सत्र २०१६-२०१७ पासुन सत्र पद्वतिने लागू करण्यात येत आहे. तसेच सदर अभ्यासकमांच्या परिक्षा योजना व अभ्यासकमीकांना दिनांक ०८.०६.२०१६ रोजी संपन्न झालेल्या विद्वत परिषदेने व दिनांक १४. ०६.२०१६ रोजी संपन्न झालेल्या व्यवस्थापन परिषदेने मान्यता प्रदान केलेली आहे. मा. कुलगुरूनी सदर पदवी अभ्यासकम सत्र पद्वतीने व पदव्युत्तर अभ्यासकम सत्र पद्वती व CBCS नुसार कार्यान्वीत करण्याकरिता म.वि. अधिनियम १९९४ च्या कलम १४(८) अंतर्गत खालील नमुद सर्व अभ्यासक्रमांचे निर्देश दिनांक २१/०६/२०१६ रोजी मान्य केलेले आहे.

कला विद्याशाखा, पदवी अभ्यासकम व पदव्युत्तर संबंधी नवीन निर्देश अभ्यासकम -Master of Arts निर्देश कमांक ५०/२०१६ Bachelor of Fine Arts निर्देश कमांक ५१/२०१६ Master of Fine Arts निर्देश कमांक ५२/२०१६

उपरोक्त सर्व पदवी व पदव्युत्तर अभ्यासकमाचे निर्देश, परिक्षा व अभ्यासकमीका राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर.www.naguniversity.org.्या संकेतस्थळावर उपलब्ध करण्यात आलेली आहे.

कृपया संबंधीतानी नोंद घ्यावी

मा.कुलगुरूंच्या आदेशान्वये

कुलसचिव राष्ट्रसंत तुकडोजी महाराज नागपुर विद्यापीठ

प्रतिलिपी माहिती व पुढील कार्यवाहीसाठी अग्रेषित:

- १. संलिग्नित महाविद्यालयांचे सर्व प्राचार्य/संचालक/विभाग प्रमुख _
- २ सर्व सभासद, विशेष कार्य समिती
- मा. समन्वयक, कला विद्याशाखा,
- ४. मा. परिक्षा नियत्रक,
- ५ उपकुलसचिव (परिक्षा,पुर्व व परिक्षा उपरांत),
- ६. सहायक कुलसचिव (सामान्य परिक्षा),
- ७ सहायक कुलसचिव (गोपनीय),
- ८ सहायक कुलसचिव (व्यावसायीक परिक्षा
- ९. अधिक्षक (निकाल विभाग),
- १०. प्रभारी अधिकारी (प्रकाशन विभाग),
- ११ स्वीय सहाय्यक, मा. कुलगुरूचे कार्यालय
- १२. स्वीय सहायक, मा. प्र- कुलगुरूचे कार्यालय
- १३ स्वीय सहाय्यक, मा. कुलसचिवांचे कार्यालय
- १४. श्रीमती विना प्रकाशे, माहितीशास्त्रज्ञ,

राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर

(मनिष झोडपे) उपकुलसचिव (विद्या) राष्ट्रसंन तुकडोजी महाराज नागपुर विद्यापीठ