

NOTIFICATION

No.: 99/2025

Date: 17/07/2025

Subject: Scheme of Equivalence and Absorption.

Reference: Notification No.74/2025 Date:12/06/2025

- (I) It is notified for general information of all the concerned that the authorities of the University have decided to provide the Scheme of Equivalence and Absorption for the failure students of old course of the Post-graduate Subjects of Semester-I & IV of (M.Sc.) (Statistics, Mathematics, Electronics, Geology, Physics, Zoology, Computer Science & Computer Software of Semester & CG Spattern into NEP-2020 Scheme to be implemented from the Academic Session 2025-2026 onwards which is attached herewith :-
- (II) It is also notified for general information of all the concerned that the authorities of the University have decided regarding the Post-graduate Subjects of M.Sc. (Biotechnology) as under:
 “As no Old Course student of M.Sc. (Biotechnology) Semester & CGS / CBCS pattern remain failure, hence no need to provide the Scheme of Equivalence & Absorption for the above said Old Course failure students.

Sd/-
 (Dr. Avinash M. Asanare)
 Registrar,
 Sant Gadge Baba Amravati University

Statistics

Sr. No	Class	CGS Pattern/ Subject and Code	Equivalent New subject & Code (NEP)	Absorption Scheme
1.	M.Sc. Sem.I	Pap.1-Elem. Prob. & Dist. Theo. Pap.II-Est.Theo Pap.III-Stoch. Proc Pap.IV-Sam. Theo. Pract. I-Prob. on DET Pract.II- Prob. on ST	S.II, P.II-Dist.Theo.(MSTC5) S.I, P.II-Est. Theo(MSTC2) S.IV,P.III-Stoc.Proc.(DSCIII.4) S.I, P.III-Samp. Theo.(MSTC3) Pract.I(MSPPI) Pract.II(MSPP2)	60+40=100 Internal Marks Should be Awarded based on the percentage of marks obtained in the theory paper
2.	M.Sc. Sem.I I	Pap.V-Adv.Prob. Theo. Pap.VI-Test.ofHyp. Pap.VII-Desg. of Exp. Pap.VII-Stat. Tool for Data Analy. Pract. III- Prob. on TH Pract.IV- Prob. on DE	S.I,P.I- Prob. Theo.(MSTC1) S.II,P.I-Test. Hyp.(MSTC4) S.II,P.III-Desg. Exp.(MSTC6) S.I,P.IV-Real. Analy.(MSTED) Pract.III(MSPP3) Pract.IV(MSPP4)	60+40=100 Internal Marks Should be Awarded based on the percentage of marks obtained in the theory paper
3.	M.Sc. Sem.I II	Pap.IX- Adv.Stat. Inf. Pap.X-Mult. Analy. Pap.XI- Elective-I Pap.XII-Elect.-II 1. Bioas. 2. Ind. Stat. 3. Demo. 4. Econo.-I 5. Data Min. Pract. V- Prob. on C.P. Pract.VI- Prob. on E.P.	S.III,P.I-Stat.Inf.(DSCI.3) S.IV,P.II-Mult.Analy.(DSCII.4) S.III,PIV-Bioas.(DSEII.3) S.I,PIV-Ind.Stat(MSTEA) S,I,PIV-Demog(MSTEC) S.IV,P.IV-Regr.Anal.(DSEVI.4) S.II,P.IV-Data Mini(MSTEF) Pract.V-(MSPP5) Designed by Internal examiner based on Elective papers	60+40=100 Internal Marks Should be Awarded based on the percentage of marks obtained in the theory paper

4.	M.Sc. Sem.I V	Pap.XIII- Math.Prog. Pap.XIV-Comp. Stat. Pap.XV- Elective-III Pap.XVI-Elect.-IV 1. SA&RT. 2. OR 3. SG& Bio-Inf. 4. Clin. Trial 5. Act. Stat. 6. Econo.-II 7. Bay. Inf. 8. Adv. Samp. Theo. Pract.VII- Prob. on C.P. Pract.VIII-Project	S.III,P.II-Math.Prog.(DSCII.3) S.IV,P.I-Comp.Stat.(DSCI.4) S.II,P.IV-Sur.Anal.(MSTEE) S.III,P.IV-O.R.(DSEI.3) S.II,P.IV-Stat.Genet.(MSTEG) S.II,P.IV-Stat.Genet.(MSTEG) S.III,P.IV-Actur.Stat(DSEIV.3) S.III,P.IV-Econ.(DSEIII.3) S.IV,P.IV-Bay.Inf.(DSEIV.4) S.IV,P.IV-Bay.Inf.(DSEIV.4) Pract.VII- (MSPP7) Pract.VIII- Project	60+40=100 Internal Marks Should be Awarded based on the percentage of marks obtained in the theory paper
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Note: 1.The subject codes of NEP are not correct so the corrected codes are given here.

Mathematics

1	Semester-I	Real Analysis (101)	DSC-I: Real Analysis (Semester-I)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper.
2	Semester-I	Advanced Abstract Algebra (102)	DSC-II: Advanced Abstract Algebra (Semester-I)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
3	Semester-I	Complex Analysis (103)	DSC-III: Complex Analysis (Semester-I)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
4	Semester-I	Topology-I (104) (Semester-I) + Topology-II (204) (Semester-II)	DSC-V: Topology (Semester-II)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
5	Semester-I (Any One)	Differential Geometry (Optional) (105) (Semester-I)	DSE-I: Differential Geometry (Optional) (Semester-I)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
6		Advanced Discrete Mathematics-I (Optional) (106) (Semester-I)	DSE-I: Advanced Discrete Mathematics-I (Optional) (Semester-I)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
7	Semester-II	Measure & Integration Theory (201) (Semester-II)	DSE-II: Measure & Integration Theory (Semester-II)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
8	Semester-II	Advanced Linear Algebra & Field Theory (202) (Semester-II)	DSC-IV: Advanced Linear Algebra & Field Theory (Semester-II)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
9	Semester-II	Integral Equations (203) (Semester-II)	DSC-VI: Integral Equations (Semester-II)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2025 - PART TWO – 202

10	Semester-II (Any One)	Riemannian Geometry (Optional) (205) (Semester-II)	DSE-II: Riemannian Geometry (Optional) (Semester-II)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
11		Advanced Discrete Mathematics-II (Optional) (206) (Semester-II)	DSE-II: Advanced Discrete Mathematics-II (Optional) (Semester-II)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
12	Semester-III	Functional Analysis-I (301) (Semester-III)	DSC-VII: Functional Analysis-I (Semester-II)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
13	Semester-III	Advanced Mechanics (302) (Semester-III)	DSC-XI; Advanced Mechanics (Semester-IV)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
14	Semester-III	Operational Research (303) (Semester-III)	DSC-VIII: Operational Research (Semester-III)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
15	Semester-III (Any Two)	Fluid Dynamics-I (304) (Optional) (Semester-III) + Fluid Dynamics-II (404) (Optional) (Semester-IV)	DSE-III: Fluid Dynamics (Optional) (Semester-III)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
16		General Relativity (305) (Optional) (Semester-III)	DSE-III: General Relativity (Optional) (Semester-III)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
17		Difference Equation-I (306) (Optional) (Semester-III)	DSE-III: Difference Equation-I (Optional) (Semester-III)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
18	Semester-IV	Functional Analysis-II (401) (Semester-IV)	DSE-IV: Functional Analysis-II (Semester-IV)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
19	Semester-IV	Partial Differential Equation (402) (Semester-IV)	DSC-IX: Partial Differential Equation (Semester-IV)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
20	Semester-IV	Numerical Analysis (403) (Semester-IV)	DSC-X: Numerical Analysis (Semester-IV)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper

21	Semester-IV (Any One)	Relativistic Cosmology (405) (Optional) (Semester-IV)	DSE-IV: Relativistic Cosmology (Optional) (Semester-IV)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper
22		Difference Equations- II (406) (Optional) (Semester-IV)	DSE-IV: Difference Equations-II (Optional) (Semester-IV)	60+40=100 Internal Marks should be awarded based on the percentage of Marks obtained in the theory paper

Electronics

1	M.Sc. I (Semester-I)	Code:1ELE1 Fundamentals of Semiconductor Devices	Code :DSC-I.1 Fundamentals of Semiconductor Devices	i) Marks obtained by the student out of 60 under NEP Sem.-1 syllabus in the theory paper DSC-I.1 (Fundamentals of Semiconductor Devices) shall be converted out of 80 in proportion. ii) Internal Marks if allotted by the college out of 20 shall be given as it is and if not allotted by the college shall be in proportion to the marks obtained in theory out of 60.
2	M.Sc. I (Semester-I)	Code:1ELE2 Instrumentation and Measurement Techniques	Code:DSC-II.1 Instrumentation and Measurement Techniques	i) Marks obtained by the student out of 60 under NEP Sem.-1 syllabus in the theory paper DSC-II.1 (Instrumentation and Measurement Techniques) shall be converted out of 80 in proportion. ii) Internal Marks if allotted by the college out of 20 shall be given as it is and if not allotted by the college shall be in proportion to the marks obtained in theory out of 60.
3	M.Sc. I (Semester-I)	Code:1ELE3 Biomedical Instrumentation	Code:DSE-I/MOOC Biomedical Instrumentation	i) Marks obtained by the student out of 60 under NEP Sem.-1 syllabus in the theory paper DSE-I/MOOC (Biomedical Instrumentation) shall be converted out of 80 in proportion. ii) Internal Marks if allotted by the college out of 20 shall be given as it is and if not allotted by the college shall be in proportion to the marks obtained in theory out of 60

4	M.Sc. I (Semester-I)	Code:1ELE4 Optical Electronic devices and applications	Code:DSC-III.1 Optical Electronics Devices and Applications	<p>i) Marks obtained by the student out of 60 under NEP Sem.-1 syllabus in the theory paper DSC-III.1 (Optical Electronics Devices and Applications) shall be converted out of 80 in proportion.</p> <p>ii) Internal Marks if allotted by the college out of 20 shall be given as it is and if not allotted by the college shall be in proportion to the marks obtained in theory out of 60.</p>
1	M.Sc. I (Semester-II)	Code:2ELE1 Analog Circuit Design And Analysis	Code:DSC-I.2 Analog Circuit Design and Analysis	<p>i) Marks obtained by the student out of 60 under NEP Sem.-II syllabus in the theory paper DSC-I.2 (Analog Circuit design and Analysis) shall be converted out of 80 in proportion.</p> <p>ii) Internal Marks if allotted by the college out of 20 shall be given as it is and if not allotted by the college shall be in proportion to the marks obtained in theory out of 60.</p>
2	M.Sc. I (Semester-II)	Code:2ELE2 Microprocessor and Microcontroller	Code:DSC-II.2 Microprocessor and Microcontroller	<p>i) Marks obtained by the student out of 60 under NEP Sem.-II syllabus in the theory paper DSC-II.2 (Microprocessor and Microcontroller) shall be converted out of 80 in proportion.</p> <p>ii) Internal Marks if allotted by the college out of 20 shall be given as it is and if not allotted by the college shall be in proportion to the marks obtained in theory out of 60.</p>
3	M.Sc. I (Semester-II)	Code:2ELE3 Digital IC'S & Design	Code:DSC-III.2 Digital IC's and Design	<p>ii) Marks obtained by the student out of 60 under NEP Sem.-II syllabus in the theory paper DSC-III.2 (Digital IC's and Design) shall be converted out of 80 in proportion.</p> <p>ii) Internal Marks if allotted by the college out of 20 shall be given as it is and if not allotted by the college shall be in proportion to the marks obtained in theory out of 60.</p>

4	M.Sc. I (Semester-II)	Code:2ELE4 Mechatronics	Code:DSE-I/MOOC Mechatronics	<p>i) Marks obtained by the student out of 60 under NEP Sem.-II syllabus in the theory paper DSE-I/MOOC (Mechatronics) shall be converted out of 80 in proportion.</p> <p>ii) Internal Marks if allotted by the college out of 20 shall be given as it is and if not allotted by the college shall be in proportion to the marks obtained in theory out of 60.</p>
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Geology

Sr. No.	Class	CGS Pattern/ Subject and Code	Equivalent New subject and Code (NEP)	Absorption Scheme
1	M. Sc I SEM I	MINERALOGY 1GOG1	MINERALOGY AND CRYSTALLOGRAPHY I GOG 2	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
2	M. Sc I SEM I	STRUCUTRAL GEOLOGY AND TECTONICS 1GOG 2	STRUCTURAL GEOLOGY AND TECTONICS I GOG 3	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
3	M. Sc I SEM I	GEOCHEMISTRY AND ANALYTICAL TECHNIQUES 1GOG 3	GEOCHEMISTRY AND ANALYTICAL TECHNIQUES III GOG 4A	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
4	M. Sc I SEM I	PALAEOBIOLOGY 1GOG 4	PALEOBIOLOGY IV GOG 3	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
5	M. Sc I SEM II	IGENEOUS PETROLOGY 2 GOG 1	IGENEOUS PETROLOGY II GOG 1	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
6	M. Sc I SEM II	METAMORPHIC PETROLOGY 2 GOG 2	METAMORPHIC PETROLOGY II GOG 2	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
7	M. Sc I SEM II	SEDIMENTOLOGY 2 GOG 3	SEDIMENTOLOGY II GOG 3	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.

8	M. Sc I SEM II	GEOMORPHOLOGY AND FIELD GEOLOGY 2 GOG 4	GEOMORPHOLOGY AND FIELD GEOLOGY IV GOG 2	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
9	M. Sc II SEM III	STRATIGRAPHY 3 GOG 1	STRATIGRAPHY I GOG 4	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
10	M. Sc II SEM III	ORE AND MINING GEOLOG 3 GOG 2	ORE GEOLOGY AND MINING GEOLOGY III GOG 3	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
11	M. Sc II SEM III	HYDROGEOLOGY 3 GOG 3	HYDROGEOLOGY III GOG 2	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
12	M. Sc II SEM III	EXPLORATION METHOD 3 GOG 4 A	EXPLORATION METHODS II GOG 4A	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
13	M. Sc II SEM III	QUATERNARY GEOLOGY AND LIMNOGEOLOGY 3 GOG 4 B	QUATERNARY GEOLOGY AND LIMNOGEOLOGY I GOG 5B	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
14	M. Sc II SEM IV	REMOTE SENSING AND GIS 4 GOG 1	REMOTE SENSING AND GIS IV GOG 1	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
15	M. Sc II SEM IV	ENVIRONMENTAL GEOLOGY AND ENGINEERING GEOLOGY 4 GOG 2	ENVIRONMENTAL AND ENGINEERING GEOLOGY IV GOG 4A	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
16	M. Sc II SEM IV	INDIAN MINERAL DEPOSIT AND MINERAL ECONOMICS 4 GOG 3	INDIAN MINERAL DEPOSIT AND MINERAL ECONOMICS III GOG 4B	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.

17	M. Sc II SEM IV	PETROLEUM AND COAL GEOLOGY 4 GOG 4A	DSE I PETROLEUM AND COAL GEOLOGY I GOG 5A	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.
18	M. Sc II SEM IV	MARINE GEOLOGY AND OCEANOGRAPHY 4 GOG 4A	BASIC OCEANOGRAPHY AND CLIMATOLOGY IV GOG 4B	60+40=100 Internal Marks should be awarded based on the percentage of marks obtained in the theory paper.

Physics

1.	Semester I	1Phy1: Mathematical Physics	DS-I:Mathematical Physics	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
2.	Semester I	1Phy2:Classical Mechanics	DSC-II:Classical Mechanics	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
3.	Semester I	1Phy3:Quantum Mechanics-I	DSCIII-Quantum Mechanics I	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
4.	Semester I	1Phy4: Computational Methods and Programming	DSE-I(i): Computational MethodsandC Programming	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
5.	Semester II	2 Phy1: Electrodynamics-I	DSC-V: Electromagnetic Theory	InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
6.	Semester II	2Phy2:Quantum Mechanics-II	DSC-IV:Quantum Mechanics II	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
7.	Semester II	2Phy3:Solid StatePhysics	DSC-VIII:SolidState Physics	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.

8.	SemesterII	2Phy 4 (i): Network Theoremsand Solid State Devices	DSE-II(iii):Network Theorems and Solid State Devices	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
9.	SemesterII	2Phy4(ii):Lasers & Laser Applications	DSE-II(i):Lasersand LaserApplications	
10.	SemesterIII	3PHY-1: ELECTRODYNA MICS-II	DSC XII : RADIATIONAND PLASMAPHYSICS	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
11.	SemesterIII	3PHY-2: STATISTICAL MECHANICS	DSC- IX: STATISTICAL MECHANICS	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
12.	SemesterIII	3PHY-3: ATOMIC &MOLECULAR PHYSICS	DSC-VI:Atomicand Molecular Physic	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
13.	SemesterIII	3PHY-4(i): DIGITAL TECHNIQUES	DSE-III(iii):DIGITAL TECHNIQUES I	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
14.	SemesterIII	3 PHY-4(ii): CONDENSED MATTER PHYSICS-I	DSE III (i): CONDENSED MATTERPHYSICS-I	Sincenoequivalencebe given, two additional chances be given.
15.	SemesterIII	3PHY-4 (iii): ANALOGUE COMMUNICATI ON	DSE-III(iii):DIGITAL TECHNIQUES I	Sincenoequivalencebe given, two additional chances be given.
16.	SemesterIII	3PHY-4(iv) Photonics-1: Fundamentalsof Photonics	DSE-III (ii): PHOTONICSI	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtainedinthetheory paper.
17.	SemesterIV	4PHY-1: NUCLEARAND PARTICLE PHYSICS	DSCX:NUCLEAR AND PARTICLE PHYSICS	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
18.	SemesterIV	4PHY- 2:OPAMP THEORY AND ITS APPLICATIONS	DSC XI: OPERATIONAL AMPLIFIERAND LINEAR INTEGRATED CIRCUITS	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.

19.	SemesterIV	4PHY-3(i): MICROPROCESSOR PROGRAMMING AND INTERFACING	DSEIV(iii):DIGITAL TECHNIQUES-II	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
20.	SemesterIV	4PHY-3(ii): CONDENSED MATTER PHYSICS-II	DSE IV (i): CONDENSED MATTERPHYSICS-II	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
21.	SemesterIV	4PHY-3 (iii): DIGITAL COMMUNICATIO N	DSEIV(iii):DIGITAL TECHNIQUES-II	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
22.	SemesterIV	4PHY-4(i): ADVANCED MICROPROCESSO RAND MICROCONTRO LLER	DSEIV(iii):DIGITAL TECHNIQUES-II	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
23.	SemesterIV	4PHY-4(ii) NANOSCIENCE AND NANOTECHNOLO GY	DSC-VIINanoscience and Nanotechnology	60+40=100 InternalMarksshouldbe awarded based on the percentage of Marks obtained in the theory paper.
24.	SemesterIV	4PHY-4(iv) Photonics-2: Opticalfibreand applications	DSE IV (ii): PHOTONICS-II	Sincenoequivalencebe given, two additional chances be given.

Zoology

M.Sc. I SEM I				
01	M.Sc. I SEM I	Animal Structure and Function (Non-Chordata) (1ZOO1)	DSC-I.1 Structure and Function of Invertebrate	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
02		Gamete Biology (1ZOO3)	DSC-III.1 Developmental Biology	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
03		Tools and Techniques in Biology (2ZOO2)	DSE-I -Tools and techniques in Biology	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
M.Sc. I SEM II				
04	M.Sc. I SEM II	Animal Structure and Function (Chordata) (1ZOO2)	DSC-I.2 Structure and function of Vertebrate	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
05		Molecular Cell Biology (2ZOO2)	DSC-II.2 Molecular Cell Biology	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
06		Environment and Ecology (2ZOO4)	DSC-III.2 Ecology and Environment	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
M.Sc. II SEM III				
07	M.Sc. II SEM III	Molecular Cytogenetics-I (3ZOO1) & Molecular Cytogenetics-II (3ZOO2)	DSC-I.3 Molecular Cytogenetic	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
08		Genes and Differentiation (1ZOO1)	DSC-II.3 Population, Quantitative and Evolutionary Genetics	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
09		Endocrinology (2ZOO3)	DSC-III.3 Endocrinology	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
10		Entomology-I & II (3ZOO3) (3ZOO4)	DSE-III: Entomology-I	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
11		Fishery- I & II (3ZOO3) (3ZOO4)	DSE-III: Fishery -I	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper

SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2025 - PART TWO – 211

12		Animal Physiology-I&II (3ZOO3) (3ZOO4)	DSE-III: Animal physiology-I	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
13		Molecular Biology-I& II (3ZOO3) (3ZOO4)	DSE-III: Molecular Biology-I	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
M.Sc. II SEM IV				
14		Biochemistry (Compulsory) (4ZOO1)	DSC-I.4Biochemistry	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
15		Enzymology and Biostatistics (Compulsory) (4ZOO2)	DSC-II.4 Enzymologyand Biostatistics	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
16	M.Sc. II SEM IV	Entomology- III& IV (4ZOO3) (4ZOO4)	DSE-IV: Entomology-II	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
17		Fishery- III& IV (4ZOO3) (4ZOO4)	DSE-IV: Fishery -II	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
18		Animal Physiology- III& IV (4ZOO3) (4ZOO4)	DSE-IV: Animal physiology-II	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper
19		Molecular Biology- III& IV (4ZOO3) (4ZOO4)	DSE-IV: Molecular Biology-II	60+40=100 Internal marks should be Awarded based on the percentage of marks obtained in theory paper

Scheme of Absorption for M.Sc. Computer Software CBCS to NEP – Semester I & IV

Semester –I Computer Software					
S.N.	CBCSSubject Code	Type	CBCSSubject Name	NEP Course Name	NEP Course Code
Core Subject					
1	2022-1MCSW1	DSC1	1Computer System Design	Computer System Organization	N1MCSW2
2	2022-1MCSW2	DSC2	2 Data Structure with OOP	Data Structure with OOP	N1MCSW3
3	2022-1MCSW3	DSC3	3 Data Base Management Technologies	Database Management Technologies	N1MCSW4
4	2022-1MCSW4	DSC4	4 Computer Network & Wireless Technology	Computer Network & Wireless Technology	N2MCSW3
Skill-1					
5	2022-1MCSW5	SEC1	4-Advanced Java/ NS2/ tools	Lab Programming(C/C++/Java/ALP) based on 2,3	N1MCSW6
Elective-1					
6.	2022-1MCSW6(1)	DSE1	(1) Discrete Mathematical Structure	Compiler Construction	N1MCSW5(1)
7.	2022-1MCSW6(2)	DSE2	(2) Entrepreneurship Development	Software Project Management	N4MCSW4(2)
8.	2022-1MCSW6(3)	DSE3	(3)Research Methodology	Research Methodology and IPR	N1MCSW1
9.	2022-1MCSW6(4)	DSE4	(4)Management Information System	SoftwareEngineering	N1MCSW5(3)
10.	2022-1MCSW6(5)	DSE5	(5)Data Science and Analytics	Big Data Analytics	N4MCSW4(1)
Laboratories					
11	2022-1MCSW7	Lab-I	1,2 - Programming(C/C++/Java/ALP)	Lab Programming(C/C++/Java/ALP) based on 2,3	N1MCSW6
12	2022-1MCSW8	Lab-II	3-SQL/ DBMS tools, MSsql, My Sql	Lab SQL/DBMS tools, MSsql, MySql	N1MCSW7
Internship					
13	2022-1MCSW9		#Internship/Field Work/Work Experience@	As Per NEP	
Open Elective(Apendix-5)					
14	2022-1MCSW10	OE1	Open elective (OE) /GIC/Open skill/MOOC*	OE/MOOCs	
GIC					
		GIC1	User Experience Deign		
		GIC2	Effective Email Communication		

Semester - II Computer Software					
S.N.	CBCSSubject Code	Type	CBCSSubject Name	NEP Course Name	NEP Course Code
Core Subject					
1	2022-2MCSW1	DSC1	1 Operating System Algorithms	Operating System Algorithms	N2MCSW1
2	2022-2MCSW2	DSC2	2 Graphics Application programming	Graphics Applicationprogramming	N2MCSW2
3	2022-2MCSW3	DSC3	3 Software Engineering	Software Engineering	N1MCSW5(3)
4	2022-2MCSW4	DSC4	4 Data Mining and Data Warehousing	Data Mining Data Warehouse	N2MCSW4(3)
Skill-2					
5	2022-2MCSW5	SEC2	1 -OS (Windows / Android /Linux)	Lab Programming (C/C++/Java) based on OS	N2MCSW5
Elective-2					
6.	2022-2MCSW6(1)	DSE1	(1)Theory of Computation	Compiler Construction	N1MCSW5(1)
7.	2022-2MCSW6(2)	DSE2	(2)Computer System Architecture	ComputerSystem Organization	N1MCSW2
8.	2022-2MCSW6(3)	DSE3	(3)Enterprise Resource Management	Software Project Management	N4MCSW4(2)
9.	2022-2MCSW6(4)	DSE4	(4)Mobile Computing	MobileComputing	N2MCSW4(2)
10.	2022-2MCSW6(5)	DSE5	(5)Compiler Construction	Compiler Construction/MOOC	N1MCSW5(1)
Laboratories					
11	2022-2MCSW7	Lab-III	3,4 -SE tools/ DM tools	Lab Based on DSE I (1)/ DSE-I (2)/ DSE-I(3)	N1MCSW8
12	2022-2MCSW8	Lab-IV	2- Graphics programming and tools	Lab Graphics Application programming based on GAP	N2MCSW6
Internship					
13	2022-2MCSW9		#Internship/Field Work/Work Experience@	As Per NEP	
TOTAL					
Open Elective(Appendix 5)					
14	2022-2MCSW10	OE2	Openelective (OE) /GIC/Openskill/MOOC*	OE/MOOCs	
GIC					
		GIC1	Web Page Design Techniques		
		GIC2	Automation with Robotics		

Semester III Computer Software

S.	CBCSSubject Code	Type	CBCSSubject Name	NEP Course Name	NEP Course Code
Core Subject					
1	2022-3MCSW1	DSC1	1 Open-Source Software Technologies	Open-Source Software Technologies	N3MCSW1
2	2022-3MCSW2	DSC2	2 Web Development and CMS	Web Development and CMS	N3MCSW2
3	2022-3MCSW3	DSC3	3 Applied Machine Learning	Machine Learning	N4MCSW2
4	2022-3MCSW4	DSC4	4 Distributed Systems	Distributed Systems	N3MCSW4(1)
Skill-3					
5	2022-3MCSW5	SEC3	1 Programming with .Net Technology	Webdevelopmenttools/CMStools	N3MCSW6
Elective-3					
6.	2022-3MCSW6(1)	DSE1	(1) Optimization Techniques	Machine Learning	N4MCSW2
7.	2022-3MCSW6(2)	DSE2	(2)Cloud Computing	Cloud Computing	N3MCSW4(2)
8,	2022-3MCSW6(3)	DSE3	(3)Software Project Management	Software Project Management	N4MCSW4(2)
9	2022-3MCSW6(4)	DSE4	(4)Bioinformatics Techniques	Big Data Analytics	N4MCSW4(1)
10	2022-3MCSW6(5)	DSE5	(5)Information System Security	Cyber Security and Digital Forensics	N3MCSW3
Laboratories					
11	2022-3MCSW7	Lab-V	1,2 Web development tools/CMS tools	Webdevelopmenttools/CMStools	N3MCSW6
12	2022-3MCSW8	Lab-VI	3 Tools for ML/SciLab/ Python	Lab-Xbasedon ML &DMDWToolsforDatamining ML	N4MCSW6
Internship					
13	2022-3MCSW9		#Internship/Field Work/Work Experience@	As Per NEP	
Open Elective					
14	2022-3MCSW10	OE3	Opelective (OE) /GIC/Openskill/MOOC*	OE/MOOCs	

Semester IV Computer Software					
S.N.	CBCSSubject Code	Type	CBCSSubject Name	NEP Course Name	NEP Course Code
	Core Subject				
1	2022-4MCSW1	DSC1	1 Software Testing	Software Testing	N1MCSW5(2)
2	2022-4MCSW2	DSC2	2 Big Data Analytics	BigDataAnalytics	N4MCSW4(1)
3	2022-4MCSW3	DSC3	3 Internet of Things (IOT) Technology	Internet of Things (IOT)	N2MCSW4(1)
4	2022-4MCSW4	DSC4	4 Cyber Security and Digital Forensics	CyberSecurityandDigitalForensics	N3MCSW3
	Skill-4				
5	2022-4MCSW5	SEC4	Android Programming	Lab-XIbasedonAndroid Programming	N4MCSW7
	Elective-4				
6.	2022-4MCSW6(1)	DSE1	(1)Parallel Computing	Robotics	N4MCSW4(3)
7.	2022-4MCSW6(2)	DSE2	(2)Image Processing	Graphics Applicationprogramming	N2MCSW2
8,	2022-4MCSW6(3)	DSE3	(3)Block Chain Technology	DistributedSystems	N3MCSW4(1)
9	2022-4MCSW6(4)	DSE4	(4) OOSE	OOSE	N3MCSW4(3)
10	2022-4MCSW6(5)	DSE5	(5)Robotics& AI	Robotics	N4MCSW4(3)
	Laboratories				
11	2022-4MCSW7	Lab-VII	1,2 – Testing and Data analytics tools	Lab Based DSE-I (2), /Lab Based on DSE IV(1)	N1MCSW8,/N4MCSW6
12	2022-4MCSW8	Lab-VIII	3,4 – IoT tools / Security tools	Lab VI Based on DSE II (1)/	N2MCSW7
13	2022-4MCSW9		Seminar	ResearchProject&Seminar-Phase-II	Sem IV Major
14	2022-4MCSW10		Project		
	Internship				
15	2022-4MCSW11		#Internship/Field Work/Work Experience@	As Per NEP	
	Open Elective				
16	2022-4MCSW12	OE4	Openelective (OE) /GIC/Openskill/MOOC*	OE/MOOCs	

Scheme of Absorption for M.Sc. Computer Science CBCS to NEP – Semester I & IV

Semester – I Computer Science					
S.N.	CBCS Subject Code	Type	CBCS Subject Name	NEP Course Name	NEP Course Code
	Core Subject				
1	2022-1MCS1	DSC1	1 Computer System Design	Computer System Organization	N1MCS2
2	2022-1MCS2	DSC2	2 Data Structure with OOP	Data Structure with OOP	N1MCS3
3	2022-1MCS3	DSC3	3 Data Base Management Technologies	Database Management Technologies	N1MCS4
4	2022-1MCS4	DSC4	4 Computer Network & Wireless Technology	Computer Network & Wireless Technology	N2MCS3
	Skill-1				
5	2022-1MCS5	SEC1	4-Advanced Java/ NS2/ tools	Lab Programming(C/C++/Java/ALP) based on 2,3	N1MCS6
	Elective-1				
6.	2022-1MCS6(1)	DSE1	(1) Discrete Mathematical Structure	Theory of Computation	N3MCS4(3)
7.	2022-1MCS6(2)	DSE2	(2) Entrepreneurship Development	Entrepreneurship Development	N4MCS4(1)
8.	2022-1MCS6(3)	DSE3	(3)Research Methodology	Research Methodology and IPR	N1MCS1
9.	2022-1MCS6(4)	DSE4	(4)Management Information System	SoftwareEngineering	N1MCS5(3)
10.	2022-1MCS6(5)	DSE5	(5)Data Science and Analytics	Data Science and Analytics	N4MCS4(3)
	Laboratories				
11	2022-1MCS7	Lab-I	1,2 - Programming(C/C++/Java/ALP)	Lab Programming(C/C++/Java/ALP) based on 2,3	N1MCS6
12	2022-1MCS8	Lab-II	3-SQL/ DBMS tools, MSsql, My Sql	Lab SQL/DBMS tools, MSsql, MySql	N1MCS7
	Internship				
13	2022-1MCS9		#Internship/Field Work/Work Experience@	As Per NEP	
	Open Elective (Appendix-5)				
14	2022-1MCS10	OE1	Open elective (OE) /GIC/Open skill/MOOC*	OE/MOOCs	
	GIC				
		GIC1	User Experience Deign		
		GIC2	Effective Email Communication		

Semester –II Computer Science					
S.N.	CBCS Subject Code	Type	CBCS Subject Name	NEP Course Name	NEP Course Code
Core Subject					
1	2022-2MCS1	DSC1	1 Operating System Algorithms	Operating System Algorithms	N2MCS1
2	2022-2MCS2	DSC2	2 Graphics Application programming	Graphics Application programming	N2MCS2
3	2022-2MCS3	DSC3	3 Software Engineering	Software Engineering	N1MCS5(3)
4	2022-2MCS4	DSC4	4 Data Mining and Data Warehousing	Data Mining Data Warehouse	N2MCS4(3)
Skill-2					
5	2022-2MCS5	SEC2	1 -OS (Windows / Android /Linux)	Lab Programming (C/C++/Java) based on OS	N2MCS5
Elective-2					
6.	2022-2MCS6(1)	DSE1	(1)Theory of Computation	Theory of Computation	N3MCS4(3)
7.	2022-2MCS6(2)	DSE2	(2)Computer System Architecture	ComputerSystem Organization	N1MCS2
8,	2022-2MCS6(3)	DSE3	(3)Enterprise Resource Management	Entrepreneurship Development	N4MCS4(1)
9.	2022-2MCS6(4)	DSE4	(4)Mobile Computing	MobileComputing	N2MCS4(2)
10.	2022-2MCS6(5)	DSE5	(5)Compiler Construction	Compiler Construction/MOOC	N1MCS5(1)
Laboratories					
11	2022-2MCS7	Lab-III	3,4 -SE tools/ DM tools	Lab Based on DSE I (1)/ DSE-I (2)/ DSE-I(3)	N1MCS8
12	2022-2MCS8	Lab-IV	2- Graphics programming and tools	Lab Graphics Application programming based on GAP	N2MCS6
Internship					
13	2022-2MCS9		#Internship/Field Work/Work Experience@	As Per NEP	
TOTAL					
Open Elective(Appendix 5)					
14	2022-2MCS10	OE2	Open elective (OE) /GIC/Open skill/MOOC*	OE/MOOCs	
GIC					
		GIC3	Web Page Design Techniques		
		GIC4	Automation With Robotics		

Semester – III Computer Science

S.N.	CBCS Subject Code	Type	CBCS Subject Name	NEP Course Name	NEP Course Code
Core Subject					
1	2022-3MCS1	DSC1	1 Algorithms and Design	Design and Analysis of Algorithms	N3MCS3
2	2022-3MCS2	DSC2	2 Web Computing	Web Computing	N3MCS2
3	2022-3MCS3	DSC3	3 Artificial Intelligence and Machine Learning	Artificial Intelligence and Machine Learning	N3MCS1
4	2022-3MCS4	DSC4	4 Distributed Computing	Distributed Computing	N3MCS4(1)
Skill-3					
5	2022-3MCS5	SEC3	1 Programming on algorithms and Design	Lab Programming(C/C++/Java/ALP)	N1MCS6
Elective-3					
6.	2022-3MCS6(1)	DSE1	(1) Network Security	Network Security/	N3MCS4(2)
7.	2022-3MCS6(2)	DSE2	(2) Software Project Management	Software Engineering	N1MCS5(3)
8,	2022-3MCS6(3)	DSE3	(3) Digital Forensics	Cyber Security	N4MCS4(2)
Laboratories					
11	2022-3MCS7	Lab-V	2 HTM/ JS/ CSS/ .net/ PHP	Lab HTML/JS/CSS/.net/PHP	N3MCS6
12	2022-3MCS8	Lab-VI	3 AI programming. Tools/ Python	LabLISP/Prolog/Pythonbasedon AI	N3MCS5
Internship					
13	2022-3MCS9		#Internship/Field Work/Work Experience@	As Per NEP	
Open Elective					
14	2022-3MCS10	OE3	Open elective (OE) /GIC/Openskill/MOOC*	OE/MOOCs	
GIC					
		GIC5	Digital Marketing		
		GIC6	Game Development-: Gamification		

Semester –IV Computer Science

S.N.	CBCS Subject Code	Type	CBCS Subject Name	NEP Course Name	NEP Course Code		
Core Subject							
1	2022-4MCS1	DSC1	1 Cloud Computing	Cloud Computing	N4MCS1		
2	2022-4MCS2	DSC2	2 Big Data	Big Data	N4MCS2		
3	2022-4MCS3	DSC3	3 Cyber Security	Cyber Security	N4MCS4(2)		
4	2022-4MCS4	DSC4	4 Block Chain Technology	Block Chain Technology	N4MCS3		
Skill-4							
5	2022-4MCS5	SEC4	Android Programming	Lab Based on MC	N2MCS7		
Elective-4							
6.	2022-4MCS6(1)	DSE1	(1) Software Testing	Software Testing	N1MCS5(2)		
7.	2022-4MCS6(2)	DSE2	(2) Internet of Things (IOT)	IoT	N2MCS4(1)		
8,	2022-4MCS6(3)	DSE3	(3) Human Computer Interaction	IoT	N2MCS4(1)		
Laboratories							
11	2022-4MCS7	Lab-VII	1,2 - Cloud Computing and Big Data	Lab Cloud Computing and Big Data	N4MCS6		
12	2022-4MCS8	Lab-VIII	3,4 – Block Chain Technology and Cyber Security	Lab Block Chain	N4MCS7		
13	2022-4MCS9		Seminar	ResearchProject&Seminar-Phase-II	Sem IV Major		
14	2022-4MCS10		Project				
Internship							
15	2022-4MCS11		#Internship/Field Work/Work Experience@	As Per NEP			
Open Elective							
16	2022-4MCS12	OE4	Open elective (OE) /GIC/Openskill/MOOC*	OE/MOOCs			
GIC							
		GIC7	Ethics in Technology & Innovation				
		GIC8	Business Intelligence				