



JSU/2021/BOJ/02

Established by the U.P. Govt. Act No. 7 of 2015  
 Recognized by U.G.C. under section 2(f) of Act. 1956

16/5/21

**Minutes of Meeting for the meeting of the Board of Study  
 (Faculty of Science for Bachelor of Science)**

**Date and Venue:** 16-05-2021 at 11:00 am in the conferences room of the university.

**Attendance:**

SR.NO	MEMBER	SIGN
1	Convener/Dean Faculty of Science-Dr.B.P.S.Chauhan JS.UNIVERSITY	
2	Dr.Harish Chandra Singh, HOD BOTONY J.S University Member	
3	Dr. ANURADHA NEGI Assoc. Professor Agra College Agra (External Expert) Member	
4	Dr.S.P.Paliwal Assoc. Professor NARAYAN (PG) COLLEGE SHIKOHABAD (External Expert) Member	
5	Dr. Mohit Johri , HOD Physics Department J.S University Member	
6	Prof.PRABHAKAR SINGH, ST.JOHNS COLLEGE Agra. (External Expert) Member	
7	DR.RAKESH YADAV, NARAYAN COLLEGE SHIKOHABAD (External Expert) Member	
8	Prof. MAMATA KUMARI HOD ZOOLOGY Department J.S Univesity (Member)	
9	Prof.R.K.VERMA ZOOLOGY Department RBS COLLEGE Agra. (External Expert) Member	
10	Prof. J.K. AWSTHI NARAYAN COLLEGE SHIKOHABAD. (External Expert) Member	
11	Dr.AMIT KUMAR CHATURVEDI HOD CHEMISTRY Department J.S. University. Member	
12	Prof. MANOJ YADAV HOD CHEMISTRY Department NARAYAN COLLEGE SHIKOHABAD. (External Expert) Member	
13	Prof. AJAY TANEJA DBRAU AGRA. (External Expert) Member	
14	PROF.P.P.SINGH HOD MATHEMATICS Department J.S. University (Member)	
15	Prof. A.K.SINGH, HNB GAHRWAL UNIVERSITY UK. (External Expert) Member	
16	Prof. N.P.SINGH EX HOD . MATHEMATICS Department C.L.COLLEGE FIROZABAD (External Expert) Member	
17	Prof. AKHILESH UPADHYAY DEAN ACADIMICS J.S.UNIVERSITY Member	
18	Adnan Quasim, COE, J.S. University, Shikohabad, Member	



JSU/2021/000/7

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**Minutes of Meeting:**

Members stressed that in accordance with the National Education Policy 2020, Uttar Pradesh. the revision of curriculum was necessary. Accordingly following revision or up gradation of existing curriculum were suggested and incorporated and some topics were obsolete they were removed In addition to above following new courses were suggested and incorporated as per new education policy 2020 Faculty Of Science For **Bachelor of Science**

Department Of Botany These New Courses were suggested and incorporated as per new education policy

Semester-wise Titles of the Papers in B.Sc. (Botany)					
Year	Sem.	Course Code	Paper Title	Theory/ Practical	Credits
<i>Certificate Course In Microbial Technology &amp; Applied Botany</i>					
FIRST YEAR	I	B040101T	Microbiology & Plant Pathology	Theory	4
		B040102P	Techniques in Microbiology & Plant Pathology	Practical	2
	II	B040201T	Archegoniates & Plant Architecture	Theory	4
		B040202P	Land Plants Architecture	Practical	2
<i>Diploma in Plant Identification, Utilization &amp; Ethnomedicine</i>					
SECOND YEAR	III	B040301T	Flowering Plants Identification & Aesthetic Characteristics	Theory	4
		B040302P	Plant Identification technology	Practical	2
	IV	B040401T	Economic Botany, Ethnomedicine & Phytochemistry	Theory	4
		B040402P	Commercial Botany & Phytochemical Analysis	Practical	2
<i>Bachelor of Science</i>					
THIRD YEAR	V	B040501T	Plant Physiology, Metabolism & Biochemistry	Theory	4
		B040502T	Molecular Biology & Bioinformatics	Theory	4
		B040503P	Experiments in physiology, Biochemistry & molecular biology	Practical	2
		B040504R	*Project-I	Practical	3
	VI	B040601T	Cytogenetics, Plant Breeding & Nanotechnology	Theory	4
		B040602T	Ecology & Environment	Theory	4
		B040603P	Cytogenetics, Conservation & Environment management	Practical	2
		B040604R	*Project-II	Practical	3

In This Program V,VI, Semester Dissertation /Project is Incorporated

**J.S. UNIVERSITY****SHIKOHABAD, FIROZABAD**

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**जे.एस. विश्वविद्यालय**

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Department Of Chemistry These New Courses were suggested and incorporated as per new education policy

**Semester-wise Titles of the Papers in B.Sc. Chemistry**

Year	Sem.	Course Code	Paper Title	Theory/Practical	Credits
<b>Certificate in Bioorganic and Medicinal Chemistry</b>					
1	I	B020101T	Fundamentals of Chemistry	Theory	4
		B020102P	Quantitative Analysis	Practical	2
	II	B020201T	Bioorganic and Medicinal Chemistry	Theory	4
		B020202P	Biochemical Analysis	Practical	2
<b>Diploma in Chemical Dynamics and Analytical Techniques</b>					
2	III	B020301T	Chemical Dynamics & Coordination Chemistry	Theory	4
		B020302P	Physical Analysis	Practical	2
	IV	B020401T	Quantum Mechanics and Analytical Techniques	Theory	4
		B020402P	Instrumental Analysis	Practical	2
<b>Degree in Bachelor of Science</b>					
3	V	B020501T	Organic Synthesis-A	Theory	4
		B020502T	Rearrangements and Chemistry of Group Elements	Theory	4
		B020503P	Qualitative Analysis	Practical	2
		B020504R	Research Project	Project	3
	VI	B020601T	Organic Synthesis-B	Theory	4
		B020602T	Chemical Energetics and Radiochemistry	Theory	4
		B020603P	Analytical Methods	Practical	2
		B020604R	Research Project	Project	3

In This Program V,VI,Semester Dissertation /Project is Incorporated



200/2021/R05/2

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16/05/2021

Department of Physics These New Courses were suggested and incorporated as per new education policy

SEMESTER-WISE TITLES OF THE PAPERS IN UG PHYSICS COURSE					
YEAR	SEME-STER	COURSE CODE	PAPER TITLE	THEORY / PRACTICAL	CREDIT
<b>CERTIFICATE -IN BASIC PHYSICS &amp; SEMICONDUCTOR DEVICES</b>					
FIRST YEAR	I	B010101T	Mathematical Physics & Newtonian Mechanics	Theory	4
		B010102P	Mechanical Properties of Matter	Practical	2
	II	B010201T	Thermal Physics & Semiconductor Devices	Theory	4
		B010202P	Thermal Properties of Matter & Electronic Circuits	Practical	2
<b>DIPLOMA - IN APPLIED PHYSICS WITH ELECTRONICS</b>					
SECOND YEAR	III	B010301T	Electromagnetic Theory & Modern Optics	Theory	4
		B010302P	Demonstrative Aspects of Electricity & Magnetism	Practical	2
	IV	B010401T	Perspectives of Modern Physics & Basic Electronics	Theory	4
		B010402P	Basic Electronics Instrumentation	Practical	2
<b>DEGREE -IN BACHELOR OF SCIENCE</b>					
THIRD YEAR	V	B010501T	Classical & Statistical Mechanics	Theory	4
		B010502T	Quantum Mechanics & Spectroscopy	Theory	4
		B010503P	Demonstrative Aspects of Optics & Lasers	Practical	2
	VI	B010601T	Solid State & Nuclear Physics	Theory	4
		B010602T	Analog & Digital Principles & Applications	Theory	4
		B010603P	Analog & Digital Circuits	Practical	2
		B010604R	Research Project		3

In This Program VI, Semester Dissertation /Project is Incorporated



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16/05/2021

Department of Zoology These New Courses were suggested and incorporated as per new education policy

**Semester-wise Titles of the Papers in B.Sc (Zoology)**

Year	Sem.	Course Code	Paper Title	Theory/Practical	Credits
1	I	B050101T	Cytology, Genetics and Infectious Diseases	Theory	04
		B050102P	Cell Biology and Cytogenetics Lab	Practical	02
	II	B050201T	Biochemistry and Physiology	Theory	04
		B050202P/R	Physiological, Biochemical & Hematology Lab	Practical/Field work	02
2	III	B050301T	Molecular Biology, Bioinstrumentation & Biotechniques	Theory	04
		B050302P	Bioinstrumentation & Molecular Biology Lab	Practical	02
	IV	B050401T	Gene Technology, Immunology and Computational Biology	Theory	04
		B050402P/R	Genetic Engineering and Counselling Lab	Practical/Field work	02
3	V	B050501T	Diversity of Non-Chordates, Parasitology and Economic Zoology	Theory	04
		B050502T	Diversity of Chordates and Comparative Anatomy	Theory	04
		B050503P	Lab on Virtual Dissection, Anatomy, Economic Zoology and Parasitology	Practical	02
	VI	B050601T	Evolutionary and Developmental Biology	Theory	04
		B050602T	Ecology, Ethology, Environmental Science and Wildlife	Theory	04
		B050603P	Lab on Environmental Science, Behavioral Ecology, Developmental Biology, Wildlife, Ethology	Practical	02
		B050604R	Research Project		3

In This Program II, IV, VI Semester Field Work /Project is Incorporated

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Ref.: JSU/2021/BOS/07

Date: 16/05/2021

Department of Mathematics These New Courses were suggested and incorporated as per new education policy

SEMESTER WISE TITLES OF THE PAPER IN UG MATHEMATICS COURSE					
YEAR	SEMESTER	COURSE CODE	PAPER TITLE	THEORY/PRACTICAL	CREDIT
<b>CERTIFICATE COURSE IN APPLIED MATHEMATICS</b>					
FIRST YEAR	I	B030101T	Differential Calculus & Integral Calculus	THEORY	4
		B030102P	PRACTICAL	PRACTICAL	2
	II	B030201T	Matrices and Differential Equations & Geometry	THEORY	6
<b>DIPLOMA IN MATHEMATICS</b>					
SECOND YEAR	III	B030301T	Algebra & Mathematical Methods	THEORY	6
	IV	B030401T	Differential Equation & Mechanic	THEORY	6
<b>DEGREE IN MATHEMATICS</b>					
THIRD YEAR	V	B030501T	Group and Ring Theory & Linear Algebra	THEORY	5
		B030502T	Any One of The Following (i) Number Theory & Game Theory (ii) Graph Theory & Discrete Mathematics (iii) Differential Geometry & Tensor Analysis	THEORY	5
	VI	B030601T	Metric Space & Complex Analysis	THEORY	4
		B030602T	Numerical Analysis & Operations Research	THEORY	4
		B030603P	PRACTICAL	PRACTICAL	2
			B030604R	Research Project	

In This Program VI, Semester Field Work /Project is Incorporated

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The meeting ended with vote of thanks.

Dean Faculty of Science



Attachment-

Bachelor of Science New Syllabus as per CBCS NEP 2020