



# **Government Girls' P.G. College Ghazipur**

# Academic Year:2021-22

List of Courses that include experiential Learning through project work /field work/dissertation:

- 1. Home Science
- 2. Zoology
- 3. Botany



#### PERSONS WITH DISABILITIES Y

M.A./M.Sc. II (Paper V) Core Marks : Theory - 50

Practical - 25

### OBJECTIVES

- · To become aware of various impairments and the manner in which these affect the lives of individuals.
- · To identify the physical and social barriers which create difficulties for people with disabilities.
- · To understand that there is a wide a variation between people with disabilities and they are not a single group.
- · To realise that the experiences of individuals with disabilities are related to their age, gender and also shaped by the context.
- · To become aware of experiences of persons with disabilities and recognize that having an impairments is only one aspect of their lives.
- · To develop an understanding gained from the experiences of people with disabilities in planning service for them.

#### CONTENTS :

- 1. Various approaches to defining and understanding disability
- Philanthropic, medical, administrative, legal and the social.
- 2. Different types of impairments, causes and effects on individuals
- Physical -
- Intellectual
- Emotional -
- Sensory .

33

Scanned by CamScanner

34

- 3. The role of context in the meaning of normality and disability, attitudes of people towards disability.
- 4. The philosophy of inclusion
- 5. Techniques of identification and assessment.
- 6. Physical and social barriers in the development of persons wit disabilities. modification of physical and social environment, enabling participation of persons with disabilities as a contributing member of society.
- 7. Use of assistive devices.
- 8. The shared and varied experiences of those so affected.
- 9. The rights versus needs of persons with disabilities.
- 10. Examples of programmes and policies for persons with disabilities.

#### 11. Issues inplanning inclusive programmes for persons with disabilities. Practical

9

- 1. Review and critique of portrayal of persons with disabilities in the medi
- 2. To and approaches to assessment.
- 3. Case study of two persons with disability a child and an adult.





#### OBJECTIVES

- To become aware of various impairments and the manner in which these affect the lives of individuals.
- To identify the physical and social barriers which create difficulties for people with disabilities.
- To understand that there is a wide a variation between people with disabilities and they are not a single group.
- To realise that the experiences of individuals with disabilities are related to their age, gender and also shaped by the context.
- To become aware of experiences of persons with disabilities and recognize that having an impairments is only one aspect of their lives.
- To develop an understanding gained from the experiences of people with disabilities in planning service for them.

### CONTENTS :

- 1. Various approaches to defining and understanding disability
- Philanthropic, medical, administrative, legal and the social.
- 2. Different types of impairments, causes and effects on individuals
- Physical
- Intellectual
- Emotional
- Sensory

33

34

Scanned by CamScanner

ς,

- The role of context in the meaning of normality and disability, attitudes of people towards disability.
- 4. The philosophy of inclusion.
- 5. Techniques of identification and assessment.
- 6. Physical and social barriers in the development of persons wit disabilities. modification of physical and social environment, enabling participation of persons with disabilities as a contributing member of society.
- 7. Use of assistive devices.
- 8. The shared and varied experiences of those so affected.
- 9. The rights versus needs of persons with disabilities.
- 10. Examples of programmes and policies for persons with disabilities.
- 11. Issues inplanning inclusive programmes for persons with disabilities.

#### Practical

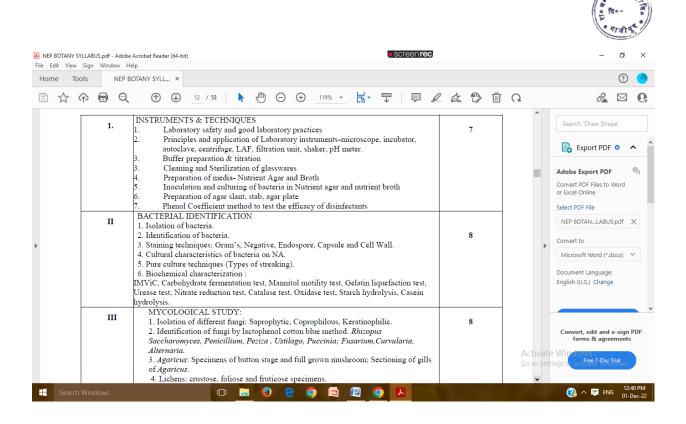
- 1. Review and critique of portrayal of persons with disabilities in the media.
- 2. To and approaches to assessment.
- 3. Case study of two persons with disability a child and an adult.
- Case study of an organisation with particular reference to its physic social environment.

D/ SCIENTIFIC WRITING



## Botany – Semester 1& 2

lome To	ools NEP BC	TANY SYLL ×				(	?
	ዮ 🖶 🔍	①      ①      ①      ①      ①      ①      ①      ①      ①      ①      ①      ①      ①      ①      ①       ①       ①        ①	% ▼ 🛱 ▼ 🐺 📮		L	2	
	CER	TIFICATE COURSE IN MICROBIAL TECHNOLOG			^	Search 'Draw Shape'	
	Programme: Botany	Certificate Course In Microbial Technolog	gy & Classical Year: I S	Semester: I/Paper-II		🔥 Export PDF o	
		Subject: Botany				6	
	Course outco 1. Unders microb 2. Develo purpos 3. Practic	mes: After the completion of the course the students will stand the instruments, techniques ,lab etiquettes and g iology laboratory. p skills for identifying microbes and using them for Inc es. al skills in the field and laboratory experiments in Microbi to identify Algae, Lichens and plant pathogens along	ood lab practices for worki dustrial, Agriculture and Envi ology &Pathology.	ing in a ironment	Co or Sel	dobe Export PDF invert PDF Files to Wo Excel Online lect PDF File NEP BOTANLABUS.pr onvert to Microsoft Word (*.doc	df 🗙
		itiate his own Plant & Seed Diagnostic Clinic art own enterprise on microbial products			ocument Language: glish (U.S.) Change		
		Credits:2	npulsory		J		
		Max. Marks: 25+75	ng Marks:				
		Total No. of Lectures-Tutorials-Practical (in hours pe	er week): 0-0-2			Convert, edit and e-s	sian PDF
	Unit	Topic * (Minimum Any three from each unit de	pending on facilities)	No. of Lectures (60 hrs)	Activate W	forms & agreem	ents
	DOTANK	-UG-2020		Page 11	Go to Settings	to activate Windo	ws.



Home To	ols NE	BOTANY SYLL ×	?
	ቀ 🖶 (	Q ① ② 12 / 53 N ① ○ ① 119% - □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	<i>2</i>
	IV V	Preparation of rungal media (PDA) & Sterilization process.     S     S     Isolation of pathogen from diseased leaf.     Identification: Pathological specimens of Brown spot of rice, Bacterial blight of rice, Loose     smut of wheat, Stem rot of mustard, Late blight of potato; Slides of uredial, telial, pyenial	Search 'Draw Shape'  Export PDF •  Adobe Export PDF Convert PDF Files to Word Select PDF File
	VI		NEP BOTANLABUS.pdf X Convert to Microsoft Word (*.dock) Y Document Language: English (U.S.) Change
	VII	7.       Isolation of P solubilizing increasing	



		JS.pdf - Adobe Acrobat Reader (64-bit) Window Help	screen rec,		-	٥	×
Hom	ie Tools	NEP BOTANY SYLL ×				?	
B	🕁 ዋ	🖶 🔍 🕐 🕘 13 / 53 🖡 🖑 💬		3	Ĉ	$\bowtie$	6
		Repository	n lab for biofuel hi)/IMT.Chandigarh for viewing Culture 6 s unit to understand about the Unit operation	^	Search 'Draw Shap		<b>^</b>
•		BOTANY-UG-2020 procedures 4. Mushroom cultivation for Protein 5. Alcohol production. from Sugarcane J	Page 12	•	Adobe Export PDF Convert PDF Files to V or Excel Online Select PDF File NEP BOTANLABUS Convert to Microsoft Word (*.d Document Language: English (U.S.) Change	vord pdf >	
=		aggested Readings: Course Books published in Hindi may be prescri 1. प्रयोगात्मक वनस्पति विज्ञान भाग 1 लेखक अशोक बेंद्रे तथा व 2. प्रायोगिक वनस्पति विज्ञान-I Dhankar - Sharma - Tri House Shivaji Nagar Civil Lines, Jaipur - 302006 ( 3. प्रायोगिक वनस्पति विज्ञान वी.एससी1 एस वी अघवाल प्रव 4. Practical Botany (Part I) ISBN #:81-301-0008-1 Editor 2022 Account Publichies Diverse News	<i>ibed by the Universities.</i> प्रशोक कुमार प्रकाशन रस्तोगी प्रकाशन मेरठ vedi ISBN Code: 978-81-8142-697-0 65, RBD Publishing	Activate Go to Setti		ialws.	PDF

	SYLLABUS.pdf - Adobe Acrobat Reader (64-bit)	-	٥	×
Home	NEP BOTANY SYLL ×		?	
B	♠ 🖶 🔍 ① ④ 🔢 / 33 🖡 ⑪ ⊖ ⊕ _119% → 📅 🐺 📮 🖉 & & ♥ 面 ᠺ	Ĉ.	$\bowtie$	6
	B.Sc. Biotech, B.Sc. Microbiology, B.Sc. Agriculture, B.A. (Curators), B.A. Archaeology, B.A. Geology, BAMS.	Search 'Draw Shape		
	Suggested Continuous Evaluation Methods:           Continuous Internal Evaluation shall be based on allotted Assignment and Class Tests. The marks shall be as follows:	Export PDF	<b>.</b> .	<b>`</b> ^
	Internal Assessment Marks			
	Class Interaction 5 Adu	dobe Export PDF	(	®b
		nvert PDF Files to We Excel Online	ord	
	Seminar 7			
	Minor field work/excursion/lab visit/technology dessimination etc. 8	lect PDF File		
	N	NEP BOTANLABUS.p	√df >	<
		invert to		
·	Course prerequisites: Qualification: To study this course, a student must have qualified 10+2 with Biology/ NSOF level 3 from Sector Skill	vicrosoft Word (*.do	cx) ~	
	Councils / Diploma holder from ITI in (Biology/ Agriculture/ Biotech/ Microbiology/biomedical Science.	cument Language:		
	racinues; smart and interactive Class	glish (U.S.) Change		
	BOTANY-UG-2020 Page 13			
				~
	Ca	Convert, edit and e- forms & agreen		DF
	Activate Wi Go to Settings	<b>F T D T</b>	alws.	
	The second se			
	h Windows	🕜 🔿 📮 ENG		1 PM lec-22



me	Tools NEP BOTANY SYLL ×			?
☆	· · · · · · · · · · · · · · · · · · ·	Ţ ₽ ∠ ☆ ₽ ₫	j Q	<i>द</i> 🖂 (
			^	Search 'Draw Shape'
				Export PDF 💿 🔺
	Suresh Kumar , Amar Singh Kashyap Manual of Practical Algae Campus Santra, SC. 2005. College Botany Practical Vol. II. New Central Book Agency (P) Ltd.	Books Internet , New Delhi.		Adobe Export PDF Convert PDF Files to Word or Excel Online
	This course can be opted as an elective by the students of following su	_	Select PDF File	
	Open to all but special for B.Sc. Biotech, B.Sc. Forestry, B.Sc. Agricultu		NEP BOTANLABUS.pdf 🗙	
	Suggested Continuous Evaluation Methods: Continuous Internal Evaluation			
	Assignment and Class Tests. The marks shall be as follows:	•	Convert to	
	Internal Assessment		Microsoft Word (*.docx) 🗸	
	Class Interaction	6		Document Language: English (U.S.) Change
	Field work /Virtual/E-learning /Participation in group discussions	7		English (U.S.) Change
	Industrial or Central laboratory training of two weeks in	12		
	summer/winter (Compulsory)			
			Convert, edit and e-sign PD	
	Course prerequisites:	-	forms & agreements	
	Qualification: To study this course, a student must have qualified 10+2 with Biology.	NSQF level 3 from Sector Skill	Activate	5 7 0 T 1
	Councils / Diploma holder from ITI in (Biology/ Agriculture/ Forestry).		Go to Setti	ngs to activate Windows.
	Facilities: Smart and Interactive Class			

## Zoology – B.Sc. Sem- 1 & 2

Orderstand the basic principles of genetics and now genes (earlier called factors) are innerited from one generation to another.     Understand the Mendel's laws and the deviations from conventional patterns of inheritance.     Comprehend how environment plays an important role by interacting with genetic factors.     How to detect chromosomal aberrations in humans and study the pattern of inheritance by pedigree analysis in families.     Credits: 4     Core:Compulsory	zoology.pdf - Adobe File Edit View Sig	e Acrobat Reader (64-b n Window Help	it)		screen <b>rec</b>		- 0 ×
Programme/Class: Certificate       Year: First       Semester: First         Subject: ZOOLOGY       Course Code: B050101T       Course Title: Cytology, Genetics and Infectious Diseases         Course outcomes:       The student at the completion of the course will be able to:         • Understand the structure and function of all the cell organelles.       Convert PDF File         • Know about the chromatin structure and function of all the cell organelles.       Select PDF File         • Now one cell communicates with its neighboring cells?       Ouderstand the basic principles of genetics and how genes (earlier called factors) are inherited from one generation to a nother.       Oucment Language: English (U.S.) Change         • Understand the Mendel's laws and the deviations from conventional patterns of inheritance.       Comprehend how environment plays an important role by interacting with genetic factors.         • How to detect chromosomal aberrations in humans and study the pattern of inheritance by pedigree analysis in families.       Core:Compulsory	Home Tools	zoolog	y.pdf ×				0 🦲
Subject: ZOOLOGY         Course Code: B050101T       Course Title: Cytology, Genetics and Infectious Diseases         Course outcomes:       Course outcomes in the completion of the course will be able to:         • Understand the structure and function of all the cell organelles.       • Know about the chromatin structure and its location.         • To be familiar with the basic principle of life, how a cell divides leading to the growth of an organism and also reproduces to form new organisms.       • How one cell communicates with its neighboring cells?         • Understand the Mendel's laws and the deviations from conventional patterns of inheritance.       • Comprehend how environment plays an important role by interacting with genetic factors.         • How to detect chromosomal aberrations in humans and study the pattern of inheritance by pedigree analysis in families.       • Core:Compulsory	🖹 🕁 🕈	<b>e a</b>	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	▶ <sup>(1)</sup> ⊖ ⊕ 116% ▼	k· Ţ│ ₽ ∠ & ₿ ₫	) Q	a 🛛 🚱
Course Code: B050101T Course Title: Cytology, Genetics and Infectious Diseases Course outcomes: The student at the completion of the course will be able to: Understand the structure and function of all the cell organelles. Know about the chromatin structure and its location. To be familiar with the basic principle of life, how a cell divides leading to the growth of an organism and also reproduces to form new organisms. How one cell communicates with its neighboring cells? Understand the Mendel's laws and the deviations from conventional patterns of inheritance. Comprehend how environment plays an important role by interacting with genetic factors. How to detect chromosomal aberrations in humans and study the pattern of inheritance by pedigree analysis in families. Credits: 4 Core:Compulsory		Programm	e/Class: Certificate	Year: First	Semester: First	^	Search 'Draw Line'
Course outcomes:       Adobe Export PDF         The student at the completion of the course will be able to:       Convert PDF Files to Word or Excel Online         Understand the structure and function of all the cell organelles.       Select PDF File         Know about the chromatin structure and its location.       Select PDF File         To be familiar with the basic principle of life, how a cell divides leading to the growth of an organism and also reproduces to form new organisms.       Convert to File         How one cell communicates with its neighboring cells?       Understand the basic principles of genetics and how genes (earlier called factors) are inherited from one generation to another.       Microsoft Word ("docx)         Understand the Mendel's laws and the deviations from conventional patterns of inheritance.       Comprehend how environment plays an important role by interacting with genetic factors.       Document Language: English (U.S.) Change         How to detect chromosomal aberrations in humans and study the pattern of inheritance by pedigree analysis in families.       Core:Compulsory		Subject: ZO	OLOGY	1			Export PDF 🔹 🔺 🏠
Course outcomes:       The student at the completion of the course will be able to:       or Excel Online         Select PDF File       200/03/200         With the basic principle of life, how a cell divides leading to the growth of an organism and also reproduces to form new organisms.       Select PDF File         How one cell communicates with its neighboring cells?       Convert to         Understand the Mendel's laws and the deviations from conventional patterns of inheritance.       Ocomprehend how environment plays an important role by interacting with genetic factors.         How to detect chromosomal aberrations in humans and study the pattern of inheritance by pedigree analysis in families.       English (U.S.) Change		Course Cod	e: B050101T	Course Title: Cytology, Genetic	s and Infectious Diseases		Adobe Export PDF
	Þ	The student a Unde Know To be and a How Unde one g Unde Comp How	the completion of the c rstand the structure and about the chromatin st familiar with the basic laso reproduces to form one cell communicates of rstand the basic principl generation to another. rrstand the Mendel's law orehend how environme to detect chromosomal	I function of all the cell organelles. ructure and its location. principle of life, how a cell divides leading new organisms. with its neighboring cells? les of genetics and how genes (earlier call <i>vs</i> and the deviations from conventional p int plays an important role by interacting	ed factors) are inherited from batterns of inheritance. with genetic factors.	Þ	or Excel Online Select PDF File Zoology.pdf X Convert to Microsoft Word (*.docs) Y Document Language:
							Convert, edit and e-sign PDF
Total No. of Loctures Tutoriale Dractical (in hours nor week) LT Did 0.0		Total No. of			-		
			Lectures-Tutorials-F	,			tings to activate Windows.
Unit         Topics         Total No. of         ✓           III         III         III         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				Topics		~	●



ome Tools	zoolo	gy.pdf ×					?
🗘 🗘	<b>e</b> Q	10 / 40		· 📙 · 🐺 🖡		D C	a 🖂 🤇
	Programm	ne/Class: Certificate	Year: First	Semeste	er: First	^	Search 'Draw Line'
	Subject: Z0	DOLOGY					Export PDF • •
	Course Co	de: B050102P	Course Title: Cell B	iology & Cytogenetics			
	1. To u 2. To p 3. To b and 4. The 5. How	etion of the course student use simple and compound morepare slides and stain then be familiar with the basic pri also reproduces to form ne chromosomal aberrations to	icroscopes. n to see the cell organelles. nciple of life, how a cell divides w organisms. ny preparing karyotypes. are inherited in humans by ped	s. e cell organelles. fe, how a cell divides leading to the growth of an organism ns.			Adobe Export PDF  Convert PDF Files to Word or Excel Online Select PDF File Zoology.pdf  Convert to Microsoft Word (*.docx)  Document Language:
		Max. Marks: 25+75	Min. Passing				English (U.S.) Change
Total No. of Lectures-Tutorials-Pra		actical (in hours per week)	: <b>L-T-P:</b> 0-0-4				
	Unit		Topics		otal No. of ectures (60)		Convert, edit and e-sign PDF forms & agreements
	I         To study different cell typessuch asbuccal epithe striated muscle cells using Methylene blue.           2.         To study the different stages of Mitosis in root ti           3.         To study the different stages of Meiosis in grassh			f onion.	15	Activat Go to Se	te Windows

zoology.pdf - Adobe File Edit View Sign		- o ×
Home Tools	zoology.pdf ×	? 🍊
🖹 🕁 🗭		🔏 🖂 Q
,	A control of the second s	Search 'Draw Line'
	Activate Go to Setti	E TO THE
Search Win	dows 🗆 🔚 🦻 🔁 💿 🖾 💿 🖉 🔼	



zoology.pdf - Adobe File Edit View Sigr	e Acrobat Reader (64-bit) SCreen rec	-	٥	×
Home Tools	zoology.pdf ×		?	
🗎 🕁 ዋ		O.	$\bowtie$	6
	7. Kesar, Saroj and Vashishta N. (2007). Experimental Physiology: Comprehensive Manual. Heritage Publishers, New Delhi	'Draw Line'		
	Course Books published in Hindi may be prescribed by the Universities and Colleges	xport PDF 🤇	^	· ^
	The eligibility for this paper is 10+2 from Arts/ Commerce/ Science	<b>Export PDF</b> PDF Files to We		6
	Suggested Continuous Evaluation Methods: or Excel C Select PD			
	Total Marks: 25		×	
•	Written Assignment/Presentation/Project / Term Papers/Seminar: 10 Marks	0		
	Class performance/Participation:5 Marks	oft Word (*.doo	x) ~	
		nt Language: J.S.) Change		
	At the End of the whole syllabus any remarks/ suggestions: University must ensure incorporation of all 04 units including virtual labs in practical evaluation.		_	v
		t, edit and e- ms & agreen		DF
	Activate Windo Go to Settings to as	ows tree 7-Day Tri	bws.	
Search Win	ndows 🕀 🗮 🍳 🤤 🖾 🦉 🖉 🖉	へ 📮 ENG	12:51 01-De	

	Window Help							
Home Tools	zoolo	gy.pdf ×						3
🖹 🕁 Թ	<b>e</b> Q	15 / 44	· 🕨 🥠	⊖ ⊕ 116% ▼		P 🖉 🖉	0 Ū	<i>द</i> 🖂 🤇
	Programm	e/Class: Certificate	2	Year: First	Semes	ter: Second	^	Search 'Draw Line'
	Subject: ZOOLOGY							Export PDF 💿 🔺
Course Code: B050202P/R Course Title: Physiological, Biochemical & Hematolog					atology Lab		Adobe Export PDF	
Course outcomes: The student at the completion of the Understand the structure of Perform basic hematological Distinguish normal and ab hematological disorders and			f biomolecules li al laboratory test bnormal hemat	ike proteins, lipids and c ting,		he diagnosis of		Convert PDF File Zoology.pdf X Convert to
		Credits: 2		Core:Compulsory	1			Microsoft Word (*.docx)
		Max. Marks: 25+	75	Min. Passing Mar	r <b>ks:</b> as per rules			Document Language: English (U.S.) Change
	Total No. of Lectures-Tutorials-Pr			hours per week): L-1	<b>Г-Р:</b> 0-0-4			
	Unit		т			Total No. of Lectures (60)		
	I			g Sahli'shaemoglobinom nochromogen crystals	eter	20		Convert, edit and e-sign PDF forms & agreements
		3. Counting of RBC		g Haemocytometer lood cell types using Leis			Activ	ate Windows Free 7-Day Trial

