V.G. SHIVDARE COLLEGE OF ARTS, COMMERCE AND SCIENCE, SOLAPUR

Date: 05/02/24

NOTICE

All the students of B.Sc. I, II, III, M.Sc. I and II are hereby informed that the Theory Internal Examinations are scheduled on 12th, 13th and 14th February 2024. Attendance for the internal examination is compulsory to pass in the university examination. There will be no any repeat internal exam for absent students. Absent students will be responsible for their own academic loss.

Following rules and conditions are mandatory for appearing to the internal examination. All the rules should be strictly followed.

- Seating arrangement will be as per the roll numbers. Only one candidate should seat per bench at the middle position.
- For B.Sc.III, M.Sc. I and M.Sc.II, the Completed Assignment is to be submitted stapled along with the theory paper.
- Students must all the other necessary information on the answer sheets provided including Full Name, Roll No., Class, Subject
- Regular attendance of the student is must. Students with less than 75% attendance are not allowed to appear for the exam.
- Student's attendance to all the events organized by the department is must.
- Irregular students will be only allowed to appear on showing prior leave application sanctioned by teachers or appropriate medical certificate.
- Student's clean record of appropriate behavior inside the college campus is must.
- For Any misconduct or misbehavior during the examination, student will be declared as <u>FAIL</u> for all the subjects in the semester.

Exam Coordinator

Principal

Copy to:

1) Head, Dept. of Arts

2) Head, Dept. of Commerce

Head, Dept. of Biotechnology

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EXAMINATION (THEOR TIME TABLE	INTERNAL EXAMINATION (THEORY): 12/02/24 TO 14/02/24 TIME TABLE B.Sc. I (10 Marks) B.Sc. II (10 Marks) B.Sc. III (20 Marks) M.S. III
ırks)	(10 Marks)
	(Test)
sm	Metabolism
ygo	Enzymology
ology	Cell Physiology
nation	Bioinstrumentation
ology	Plant Physiology
ture Animal Biotech - I	Tissue Culture
ience	Computer Science
ics Animal Biotech - II	
& GG	Democracy, E & GG

B.Sc. BIOTECHNOLOGY AND M.Sc. BIOTECHNOLOGY INTERNAL EXAMINATION (THEORY): 26/10/23 TO 28/10/23 TIME TABLE

			28/09/23				27/10/23			26/10/23		Date
	E ~	3.20 PM to	12.30 AM to 1.20 PM	11 AM to 11.50 AM.		2.30 PM to	12.30 AM to 1.20 PM		2.30 PM to 3.20 PM	12.30 AM to 1.20 PM	11.50 AM.	Time
	sam Coordinator	Biotechnology in Human Welfare	Ecology	Developmental Biology		Animal Physiology	Cell Biology	Biophysics	Biochemistry	Chemistry	English	B.Sc. I (10 Marks)
	₩.б.,	Plant Biotech - II		Plant Biotech - I	iviicioolology - II	General	ı	General Microbiology - I	Genetics II	ı	Genetics I	B.Sc. II (10 Marks)
H.O.D. (Biotechnology)	otechnology)	1	Intellectual Property Rights	1		Bioinformatics	ı	rDNA Tech.	Bioprocess Tech.	ľ	English	B.Sc. III (20 Marks)
	Prin	1	Biostatistics and Bioinformatics	1		1	Research methodology	t	Cell and Molecular Biology	1	Biochemistry and Enzymology	M.Sc. I (20 Marks)
SOLAPUR SOLAPU	Principal age of Aris Co.	1	Advanced Pharmaceuticals	1		1	Plant Biotechnology	1	Genetic Engineering	Ł	Industrial and Env. Biotechnology	M.Sc. II (20 Marks)

	2.30 PI	28/10/23 12.30 A	11 AM	2.30 P	27/10/23 12:30 A	11 AM	2.30 F	26/10/23 12.30 /	11 AN	
Z.	2.30 PM to 3.20 PM	12.30 AM to 1.20 PM	11 AM to 11.50 AM.	2.30 PM to 3.20 PM	12.30 AM to 1.20 PM	11 AM to 11.50 AM.	2.30 PM to 3.20 PM	12.30 AM to 1.20 PM	11 AM to 11.50 AM.	Time
	BIOTECH. HF. Ms. Athani Miss. Joshi	Ms. Athani Ms. Shikhare	Ms. Haripriya Ms. Joshi	ANIMAL PHY. Mrs. Phatak Mr. Gote	Ms. Swati Patil Mrs. Shirke	Mrs. Phatak Ms. Haripriya	Mr. Gote Ms. Athani	CHEMISTRY Ms. Haripriya Mrs. Phatak	Mrs. Mitkari Ms. Swati Patil	2 ClassRooms (Near Auditorium)
	PLANT BIOTECH, II Mr. Gote Ms. Rutuja	1	PLANT BIOTECH. I Mr. Gote Dr. Dhanve	GEN. MICRO. II Miss. Joshi Ms. Athani	ı	GEN. MICRO, I Miss. Joshi Ms. Athani	GENETICS II Mrs. Gopika M. Ms. Shikhare	ı	GENETICS I Mrs. Gopika M. Ms. Shikhare	1 ClassRoom (1st Floor)
	IPR Ms. Swati Patil Ms. Shikhare	1	BIOINFO. Ms. Rutuja Ms. Ashwini	rDNA TECH. Dr. Dhanve Ms. Rutuja	1	BIOPROCESS TECH. Dr. Valsange Ms. Ashwini	1	1	ENGLISH Mrs. Mitkari Ms. Swati Patil	B.Sc. III (20 Marks) 2 ClassRooms (8C & 9D)
5	ı	BIOSTAT. BIOINFO. Ms. Madhura	ı	1	RESEARCH MET. Mrs. Madhura		CELL & MOL. BIO. MKG/Ms. Ashwini		BIOCHEM. ENZYMOLOGY Dr. R.S. Dhanve	M.Sc. I (20 Marks) 01 Classroom (Near Exam Room)
College of Arts	1	ADV. PHARMA. Ms. Haripriya	1	ı	PLANT BIOTECH. Dr. Adki		GEN. ENGG. Mrs. Phatak	ō	IND. & ENV. BIOTECH. Dr. Valsange	M.Sc. II (20 Marks) 01 Classroom (Near Exam Room)

V.G. Shivdaze College of Acts, Commerce & Scene Internal Test Sub: English [10] Time: 11 AM 11:50 AM. Date: 12-02-2024
Q.1 Weite a detail note on Life Skills [4]
a.27 Define 'my Last Duchess' is a deamatic [3] monologue.
Q3> Dessibe the nature in the poem 'Sita' [3]
(lass: B.Sc. T Sub.: English Date: 12-02-2024 Time: 11 Am 11:50 Am. Marks: [10]
0.17 What theme does the poem' Remember Utilise 3
poem and what does it mean to him? [4]
a 37 Describe the process of making veg sandwich
SOLAPUR)

सूचना क्रमांक : ४७

क्ही. जी. शिवदारे कॉलेज ऑफ आर्टस, कॉमर्स ॲन्ड सायन्स, सोलापूर दि.१७.१०२३

सूचना

महाविद्यालयातील "Internal Exam and Result Analysis Committee " च्या सर्व सदस्यांना सूचित करण्यात येते की, गुरुवार, दिनांक १२/१०/२०२३ रोजी सकाळी ११:३० वाजता प्राचार्य कक्षेमध्ये समितीची बैठक आयोजीत केली आहे.

तरी सर्व सदस्यांनी वेळेत उपस्थित रहावे.

भूर्_{(ठ}र्(त्री ^{२)} प्राचार्य (डॉ. डी. एस. सुत्रावे)

Internal Exam and Result Analysis Committee Member

	अ. क्र.	नाव	हुद्दा	मोबाईल नबंर	सही
	१ -	DR. R. S. DHANVE	CO-ORDINATIOR	9423330499	naid
	٦.	DR. M. B. KAMBLE	CO-ORDINATIOR		
	₹.	MRS. GOPIKA MANJUNATH	Member	7757919148	R
	8.	MISS. S. J. BAVGE	Member	7020555031	news
	ч.	MRS. V. K. VARADE	Member	9373197005	R. Nood
	ξ.	DR. S. J. UPASE	Member	880574620	forte
	9.	MISS. A. R. SHINDE	Member		1
	6.	MISS. HARIPRIYA S.	Member	8139075305	safe.
	٩.	MRS. N. A. NAGSHETTI	Member	3011757543	Curl.
	१०.	MR. S. P. HABBU	Member	7972316307	More
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V.G. SHIVDARE COLLEGE OF ARTS, COMMERCE AND SCIENCE, SOLAPUR

Date: 25/08/23

NOTICE

All the students of B.Sc. Biotechnology I, II and III are hereby informed that the Theory Internal Examinations are scheduled on 07th, 08th and 09th September 2023. Attendance for the internal examination is compulsory to pass in the university examination. There will be no any repeat internal exam for absent students. Absent students will be responsible for their own academic loss.

Following rules and conditions are mandatory for appearing to the internal examination. All the rules should be strictly followed.

- Seating arrangement will be as per the roll numbers. Only one candidate should seat per bench at the middle position.
- Bringing Completed Assignment given by the respective subject teacher is compulsory.
 Assignment should be submitted stapled along with the theory paper.
- Students must fill all the necessary information on the answer sheets provided, including
 Full Name, Roll No., Class, Subject
- Regular attendance of the student is must. Students with less than 75% attendance are not allowed to appear for the exam.
- Student's attendance to all the events organized by the department is must.
- Irregular students will be only allowed to appear on showing prior leave application sanctioned by teachers or appropriate medical certificate.
- Student's clean record of appropriate behavior inside the college campus is must.
- For Any misconduct or misbehavior during the examination, student will be declared as Fail for all the subjects in the semester.

Exam Coordinator

M.L. Gowa H.O.D. (Biotechnology)

Principal

B.Sc. Biotechnology

Internal Examination (Theory)

Time Table

Date	Time	B.Sc. I (10 Marks)	B.Sc. II (10 Marks)	B.Sc. III (20 Marks
	11 AM to 11.50 AM.	English	Genetics I	English
07/09/23	12.30 AM to 1.20 PM	Chemistry		
07/09/23	2.30 PM to 3.20 PM	Biochemistry	Genetics II	
	4.00 PM TO 4.50 PM	-	-	
	11 AM to 11.50 AM.	Biophysics	General Microbiology - I	Bioprocess Tech.
08/09/23	12.30 AM to 1.20 PM	Cell Biology	22	
Control Contro	2.30 PM to 3.20 PM	Animal Physiology	General Microbiology - II	rDNA Tech.
	4.00 PM TO 4.50 PM	-	-	
	11 AM to 11.50 AM.	Developmental Biology	Plant Biotechnology - I	Bioinformatics
09/09/23	12.30 AM to 1.20 PM	Ecology		
03/03/23	2.30 PM to 3.20 PM	Biotechnology in Human Welfare	Plant Biotechnology - II	Intellectual Property Rights
	4.00 PM TO 4.50 PM	-		

Exam Coordinator

M.C. Jopila H.O.D. (Biotechnology)

Principal



V. G. Shivdare college of Arts, Commerce & Science, Solapur.

Department of Biotechnology. Internal examination (2023-2024) Subject:- Intellectual Property Right Date- 9/09/2023 Total:- 20 Marks

Q.1. A MCQ

5marks

- 1. Which is not a type of intellectual property?
 - a) Trade secrets b) Trademarks c) Home loans d) Copyrights
- 2. . Which of the following can you copyright?
 - a) Literary work b) Ideas c) Choreographic work d) Fashion
- 3. What is the subject matter of a patent?
 - a) Art b) Invention c) Goods d) Ideas
- 4. Where is the headquarters of WIPO?
 - a) Geneva, Switzerland b) London, UK c) Delhi, India d) Stockholm, Sweden
- 5. Which of the following identifies as a trademark?
 - a) Name, symbol b) Symbol, logo c) Logo, name d) Name, symbol, logo
 - Q.1 B Write a Short note on following topic. (any 5) 10 marks
- 1) Trade secrets
- 2) Geographical Indications
- 3) Trademark
- 4) Patent
- 5) copyright
- 2 .Write the detail answer of the following questions

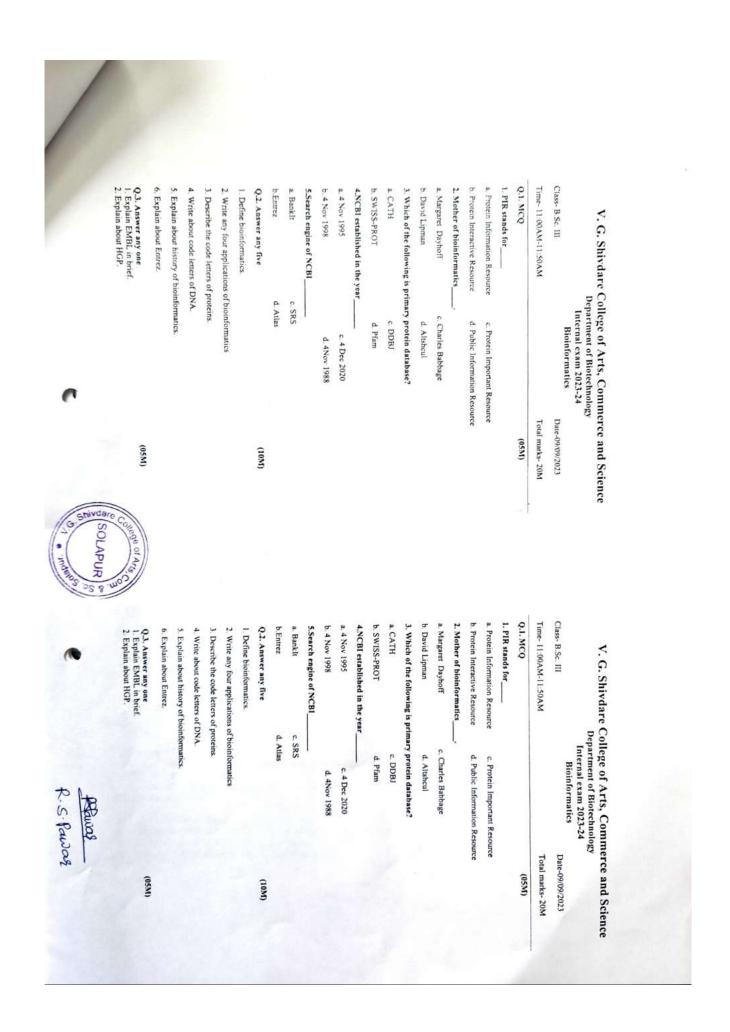
(any 1)

5 marks

- 1) Write a detail note on IPR
- 2) Advantage and disadvantage of IPR



Mrs Swati Patil



V.G. Shivdare College of Arts Commerce & Science

Department of Biotechnology

First Internal Theory Examination 2023-24 B.Sc.-II Sem-III Subject- Genetics- I

DATE-7/09/23 Time- 11.00 pm MARKS-10M Q1. Multiple Choice Questions. [4M] 1. The tendency of an offspring's to resemble its parent is known as Variation b) Heredity b) Resemblance d) Inheritance 2. The crossing of F1 generation either with any one parent is known as..... a) Test cross b) Back cross c) Co-dominance d) F1is the ratio of dominant epistasis. a) 15:1 b) 12:3:1 c) 9:7 d) 9:3:3:4is the Scientific name of sweet pea plant. a) Lathyrus otoliths b) Lathyrus odoratus c) Lathyrus odorathus d) Lathyrus sativum Q2. Answer any three [6M] Explain in detail about the mendelian history? Explain in detail about Mendel's law of independent assortment? Explain in detail about Supplementary gene interaction? Explain in detail about Inhibitory gene interaction?

V.G. Shivdare College of Arts Commerce & Science

Department of Biotechnology

First Internal Theory Examination 2023-24 B.Sc.-II Sem-III Subject- Genetics- I

A I L	-7/09/23 Time- 11.00 pm		MARKS-10M
. Mu	ltiple Choice Questions.		[4M]
3.	The tendency of an offspring's to	resemble its parent is known as	
	c) Variation	b) Heredity	
	d) Resemblance	d) Inheritance	
4.	The crossing of F1 generation eith	er with any one parent is known as	
	a) l'est cross	b) Back cross	
	c) Co-dominance	d) F1 cross	
3	is the ratio	of dominant epistasis.	
	a) 15:1	b) 12:3:1	
	c) 9:7	d) 9:3:3:4	
4.	is the Scientific	name of sweet pea plant.	
	a) Lathyrus otoliths	b) Lathyrus odoratus	
	c) Lathyrus odorathus	d) Lathyrus sativum	
. Ans	wer any three		[6M]
E.	colsin in detail about the second	#U00000000	[0.11]
Ex	plain in detail about the mendelian h	istory?	
Ex	eplain in detail about Mendel's law o	f independent assortment?	
Ex	plain in detail about Supplementary plain in detail about Inhibitory gene	gene interaction?	
237	prim in detail about minonory gene	interaction?	
		Shege of Arts Cog	
		Comment of the commen	O. M.
		(8/22)	Ms. s. s. skilcha
		SOLAPUR	X''
		12	als a a chilcher

N.G. Shirdare College of Asls, Com	Merce 2
Date - 7 september 2023	Strence.
	Marks - 10M.
Subject - Genetius I	Time -2:30 to 3:20pm
Ist Internal Examination	62)
Q1 Multiple Choice Questions (4M)	
1. Gene Mutation occurs at the time of	
a) DNA repair b) DNA Replication c)	RNA translation
d) DNA transcription	
2. The "Mulation" term was coined by	in 1900.
a) Seth Wright b) T. Muller c) Morga	
3. The factors or agents that cause Muta	ation are called as
a) Mutagens c) Agents	
b) Nutants d) Chemicals	
4. What is called when one or more ch number compared to the Normal person. (2	gromesomes are lost in
a) Trisomy b) Hypoploidy O Hype	
· Q.2 Answer any three (6 Marks).	
1. Define Mutation of Mutagens.	
2. What is Induced and Spontaneous Mute	afron 2
3. Define Aneuplotdy and Euploidy.	
4. Works Define Chemical, Biological & Physical rexample.	Mutagens along with 1
dege of Arts	Sal.
SOLAPUR SOLAPUR	Haripaya · S.
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V.G. Shivdare College of Arts, Commerce and Science, Solapur Department of Biotechnology

B.Sc. Biotechnology-Part-II (Sem-III) Internal Theory Examination 2023-24 Choice based credit system (CBCS) Semester Pattern (w.e.f. June 2023) Sub: Plant Biotechnology-Paper-I

Date: 09/09/2023	
3 Time: 30Min.	
 Total Mark: 10	

- All Questions are compulsory
- Draw neat label diagrams whenever necessary.
- Figures to right indicate full mark.

Q.1. Multiple Choice questions.

the tissue of an organism to culture media. culture which is prepared by inoculating directly from

a) Primary cell c) Cell lines

d) Transformed cell b) Secondary cell

Tissue culture technique was first practised by b) Haberlandt

c) Halperin

a) White

d) Skoog

is lab equipment is used for maintaining cell cultures.

a) Cell wall + Plasma membrane b) Plant cell – cell wall

d) Plasma membrane - cytoplasm

4. Protoplast is

c) pH-meter a) Petri-plate

d) Water bath b) Incubator

c) Cytoplasm + cell wall

<u>8</u>

Q.2. Attempt any two.

- Write a note on cryopreservation.
- 2. Write a note on cryoprotectants.
- 3. Enlist the applications of Plant Biotechnology

V.G. Shivdare College of Arts, Commerce and Science, Solapur

B.Sc. Biotechnology-Part-II (Sem-III) Internal Theory Examination 2023-24 Department of Biotechnology

Choice based credit system (CBCS) Semester Pattern (w.e.f. June 2023) Sub: Plant Biotechnology-Paper-I

Date: 09/09/2023 Time: 30Min. Total Mark: 10M

Instructions:

- All Questions are compulsory
- Draw neat label diagrams whenever necessary.
- Figures to right indicate full mark.

Q.1. Multiple Choice questions.

- the tissue of an organism to culture media. culture which is prepared by inoculating directly from
- a) Primary cell

b) Secondary cell

- d) Transformed cell
- 6. Tissue culture technique was first practised by a) White b) Haberlandt c) Halperin

d) Skoog

- is lab equipment is used for maintaining cell cultures.
- c) pH-meter a) Petri-plate d) Water bath b) Incubator
- 8. Protoplast is
- a) Cell wall + Plasma membrane c) Cytoplasm + cell wall

 - b) Plant cell cell wall
- d) Plasma membrane cytoplasm

6M

- Q.2. Attempt any two.
- Write a note on cryopreservation
- 5. Write a note on cryoprotectants
- 6. Enlist the applications of Plant Biotechnology



V.G.Shivdare College of Art's, Commerce and Science, Solapur Department of Biotechnology Sub-General Microbiology-I 1st Internal Theory Examination 2023-23 Class - B.Sc.II Sem - III Total Marks - 10 Q.1. Multiple Choice Questions 1. Which of the following pioneers of Microbiology is credited with the discovery of microorganisms using highquality magnifying lenses (early microscopes)? a) Anton Van Leeuwenhoek b) Louis Pasteur Robert Hook d) Robert Koch 2. Which of the following individuals argued in favor of the theory of spontaneous generation? a) Francesco Redi b) Louis Pasteur c) John Needham d) Lazzaro Spallanzani 3. Disease for which Louis Pasteur created first vaccines was A) anthrax and rabies B) polio C) measles D) chicken pox What did Robert Hooke name the microscopic honeycomb cavities found in cork? a) Wards b) Barracks c) Villas d) Cells Q.2. Answer any three (06) 1. Give the contributions of Joseph Lister 2. Write Koch Postulates 3. Write note on Abiogenesis theory 4. Give the contributions of Louis Pasteur

> V.G.Shivdare College of Art's, Commerce and Science, Solapur Department of Biotechnology

1st Internal Theory Examination 2023-23

Class - B.Sc.II Sem - III Total Marks - 10 O.1. Multiple Choice Questions 1. Which of the following pioneers of Microbiology is credited with the discovery of microorganisms using high quality magnifying lenses (early microscopes)? a) Anton Van Leeuwenhoek b) Louis Pasteur d) Robert Koch c) Robert Hook 2. Which of the following individuals argued in favor of the theory of spontaneous generation? a) Francesco Redi b) Louis Pasteur c) John Needham d) Lazzaro Spallanzani 3. Disease for which Louis Pasteur created first vaccines was a) anthrax and rables b) polio c) measles d) chicken pox 4. What did Robert Hooke name the microscopic honeycomb cavities found in cork? a) Wards b) Barracks c) Villas d) Cells Q.2. Answer any three (06)1. Give the contributions of Joseph Lister 2. Write Koch Postulates 3. Write note on Abiogenesis theory 4. Give the contributions of Louis Pasteur

V. G. Shivdare college of Arts, Commerce & Science, Solapur.

Department of Biotechnology. Internal examination (2023-2024) Subject:- Intellectual Property Right Date- 9/09/2023 Total:- 20 Marks

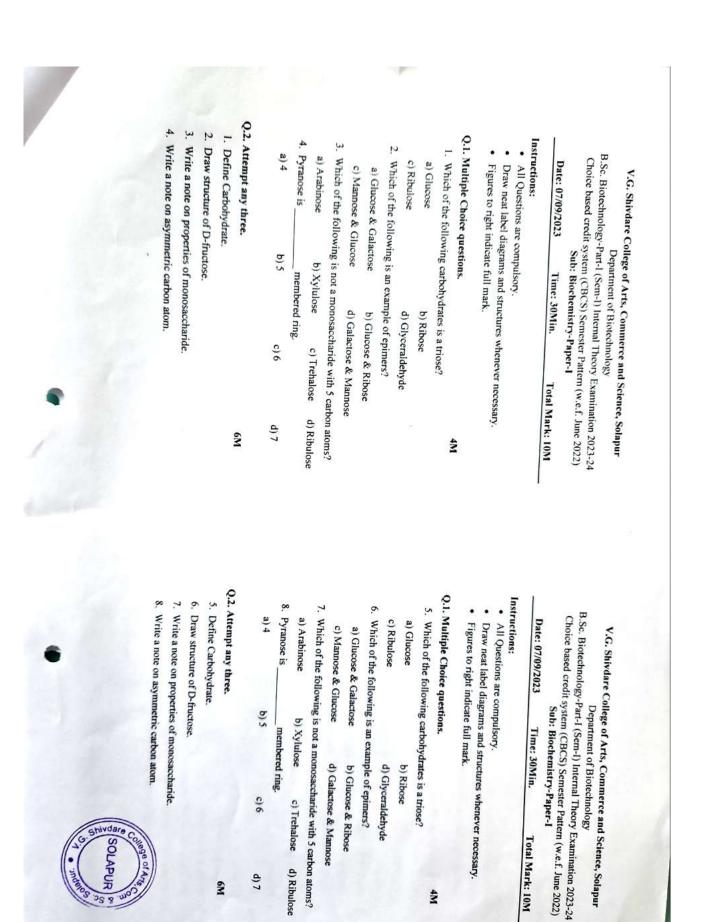
Q.1. A MCQ

5marks

- 1. Which is not a type of intellectual property?
 - a) Trade secrets b) Trademarks c) Home loans d) Copyrights
- 2. . Which of the following can you copyright?
 - a) Literary work b) Ideas c) Choreographic work d) Fashion
- 3. What is the subject matter of a patent?
 - a) Art b) Invention c) Goods d) Ideas
- 4. Where is the headquarters of WIPO?
 - a) Geneva, Switzerland b) London, UK c) Delhi, India d) Stockholm, Sweden
- 5. Which of the following identifies as a trademark?
 - a) Name, symbol b) Symbol, logo c) Logo, name d) Name, symbol, logo
 - Q.1 B Write a Short note on following topic. (any 5) 10 marks
- 1) Trade secrets
- 2) Geographical Indications
- 3) Trademark
- 4) Patent
- 5) copyright
- 2 .Write the detail answer of the following questions (any 1) 5 marks
- 1) Write a detail note on IPR
- 2) Advantage and disadvantage of IPR



V.G.SHIVDARE COLLEGE OF ARTS, COMMERCE & SCIENCE. INTERNAL EXAMINATION DATE: 7-09-2023 SUBJECT: CHEMISTRY MARKS: 10 MARKS MULTIPLE CHOICE QUESTIONS. (4 MARKS) The name of Hydrogen isotope with one proton in its nucleus is ______ a. Protium b. Deuterium c. uniterium d. tritium 2. The Modern periodic law was proposed by ______. a. Henry & Meyer b. Henry Moseley c. Mendeleev & Meyer d. Meyer 3. The Law of octaves was profounded by........... a. A.E.B de Chancourtois b. John Alexander Newlands c. Meyer d. Johann Dobereiner 4. Who is known as the father of chemistry? a. Mendeelev b. Louis Pasteur c. Rutherford d. Lavoisier ANSWER ANY THREE. (6 MARKS) 1. Define Covalent bonds and Ionic Bonds along with one example. 2. What do u mean by Atomic mass and Valency. 3. State Periodic Law and Modern periodic Law. 4. Define Isotopes with one example.



M

d) 7

6M

San	Classmate Date Page
11/23	Application
	To,
	The principle,
	V.G. Shivdhare, college of Arts and science, solapur.
	Solapur
	Date: 28/11/23
	Sub: Request for allowing attendance to exam
	Respected Sir, My self snehal samadhan Mane. Studying In Msc-I, Roll NO - 515. Due to the reason of
	not Stitched. I failed to follow the proper uniform pattern and did not wear proper uniform. Therefore, I am kindly request you to allow me for exam
	without college uniforme.
_	
	Thonk you, 58 Mone. Your's faithfully
•	Snehal samadhan Mane Msc- Ist
17 2	Roll No - 515
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