	16-02-22
Meeting-2	
The department meetin	g was held in the
Principali chambes on 11-	9-99. After discussing
with the In-charge Principo	il, faculty of Sciences
and the Students of B.Sc	, it is resolved to
enrich the Existing Curri	culum by initiating a
Enrich the Existing cureing Cureing Costificate course on Pedig	see Avalysis, which is
Essential for all the B-SC S	Students who are Studyin
in this a cademic Year 202	1-22. A Proposal seelling
Permission to start the cow	se should be submitted
to the Principal within to	so Lays.
course Duration: 30 -	40 days
	- //
Student intake: 20 -	30
PS mative Assessment: 15 m	ralks (objective)
PS mative Assessment: 15 m	ralks (objective)
Student intake: 20 - P&mative Assessment: 15 m Summative Assessment: 25	ralks (objective)
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Summative Assessment: 15 m Summative Assessment: 25 Suparum Course Co-Sdinata 1) Shi, N. N. N. B. Svinivasa Rao Lic in Chemistry	Principal Principal PRINCIPAL (F.A.C) S.CH.V.P.M.R. Govt. Dograe College Accredited "B" by HAAC GAMAPAVARAM (W.G.Dt.,)
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Summative Assessment: 15 m Summative Assessment: 25 Summative Assessment: 25 Summative Assessment: 25 Jupanum Course Co-Sdinata 1) Shi. N. N. N. B. Svinivasa Rao Lic in Chemistry Lic in Chemistry Lec in Botany Student Representatives D. L. Gollamma — / Gollamn	Principal (F.A.C) S.CH.V.P.M.R. Govt. Degree College Accredited "B" by MAAC GAMAPAYARAM (W.G.Dt.,)
Summative Assessment: 15 m Summative Assessment: 25 Summative Assessment: 25 Summative Assessment: 25 Julianum Course Co-Sdinata 1) Shi, N. N. N. B. Svinivasa Rao Lic in Chemistry 2) Dv. Ch. Chaitanya - Locin Botany Lec in Botany Student Representatives	Principal (F.A.C) S.CH.V.P.M.R. Govt. Degree College Accredited "B" by MAAC GAMAPAYARAM (W.G.Dt.,)



DEPARTMENT OF ZOOLOGY

Date. 17.02.2022

From

Sk. Parveen
In-charge, Dept. of Zoology
SCHVPMR Govt. Degree College
Ganapavaram

To

The Principal
SCHVPMR Govt. Degree College
Ganapavaram

Sub: Curriculum Enrichment for 2021-22 - Dept. of Zoology - proposal for starting a Certificate Course in Pedigree Analysis - Request for permission - Reg.

This is to submit that the Dept. of Zoology is proposing to start a Certificate Course in "Pedigree Analysis" during the academic, year 2021-22 so as to enrich the existing curriculum for the benefit of the students. Hence, this proposal is submitted seeking your permission.

Course duration: 30 to 40 days

Student intake: 20 to 30

Name of Faculty: Sk.Parveen

Formative Assessment 15 marks (objective type)

Summative Assessment 25 marks (objective type)

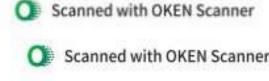
Qualifying mark 15

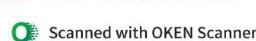
Objectives:

To educate students to read and interpret a pedigree chart

To use a pedigree chart to identify the behaviour of a particular allele

In-charge, Dept. of Zoology 2021







Proceedings of the Principal (FAC), SCHVPMR Govt. Degree College, Ganapavaram

Present: Dr M. Syambab, M.Sc., Ph. D.,

Rc.No.23/15/CC-21-22

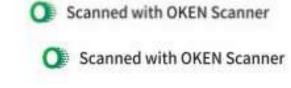
Dated: 17.02.2022

Sub: Dept. of Zoology - Proposal for Certificate Course in Pedigree Analysis for the academic year 2021- 22-Permission granted - Orders issued - Reg.

The Principal, SCHVPMR Govt. Degree College, Ganapavaram is pleased to grant permission to launch a Certificate Course in "Pedigree Analysis" by the Department of Zoology during the academic year 2021-22. The In-charge, Department of Zoology is requested to follow the due procedure for conducting the said course and submit a report thereof.

PRINCIPAL
PRINCIPAL
S.CH.V.P.M.R.Govt.Degree College
GANAPAVARAM-534198. (W.G.Disti





circular Giveetings from the Department of Zoology All the Students of B.Sc in-formed that the department of Zoology of our college is going to Start a certificate course in "Pediglee Analysis" from 18-02-22 to Enrich you with Pedigeee chartuseful for inheritance identification in families. Hence, toll are requested to Envoll for the course and make use of it. -> Envollment forms will be shared with you soon. -> A copy of course Syllabus is Enclosed here with Course Design Title of the course - Pedigree Avalysis Course Duration - 30 to 40 days Student intake - 20 to 30 (First come - First serve) course commencement Date - 18-02-22 Time of instructions - 4:30 to 5:30 Pm F8 matine Assessment - 15 marks Cobsective) (conducted in the widdle of the course) Summative Assessment - 25 marks (objective) (conducted at the End of the course) 45-1. of attendance is mandatory to give the final test. Qualifying male is 15 out of 25 (Summative Aversment) Students who scores 15 68) about will be giver course completion cestificates.

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DEPARTMENTOFZOOLOGY

Certificate Course on "Pedigree Analysis"

Academic Year 2021-22

Total Instructional Hours: 30

Syllabus

Unit 1

Basics of Molecular biology- Structure of DNA &RNA.Basics of Molecular Biology-Overview of Replication, Trancription and Translation. (5 hours)

Unit 2

Definition of Heridity and Mendelian Inheritance. Sex linked Inheritance. (5 hours)

Unit 3

Mendilian Inheritance patterns and Disorders. Definition of Pedigree and Pedigree Chart.

Types of pedigree Analysis. (8 hours)

Unit 4

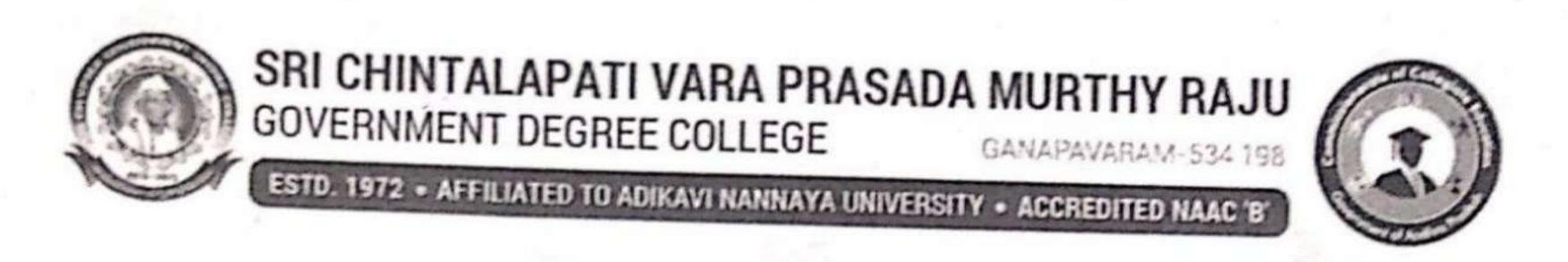
Solving Pedigree Analysis- Steps. Analysis of Family pedigree- Presence of attached Ear Lobe. (8 hours)

Unit 5

Analysis of Family pedigree- Presence of Hitchhikers Thumb. (4 hours)

Course Coordinator

Sk. Parveen



Department of Zoology

Certificate Course on "Pedigree Analysis"

Course Outline

Course Duration	30 days
Course Fee	Nil
Target Group	BSC
Student intake	20 to 30 (First Come-First Serve)
Start Date	18.02.2022
No. of Modules	5
Formative Assessment	15 marks (objective type)
Summative Assessment	25 marks (objective type)
Qualifying Mark	15
Name of the Course Coordinator	Sk. Parveen

Student Registration Form

Date: 18/2/22

Name of the Student

: BiRama devi

Admission Number

: 6930

Batch

: Batch -2

Year and Program studying

II BYC

Semester

: 3rd 8 cm.

B. Ranadevi Signature of the Student

Signature of the Course Coordinator



Department of Zoology

Certificate Course on "Pedigree Analysis"

Course Outline

Course Duration	30 days
Course Fee	Nil
Target Group	BSC
Student intake	20 to 30 (First Come-First Serve)
Start Date	18.02.2022
No. of Modules	5
Formative Assessment	15 marks (objective type)
Summative Assessment	25 marks (objective type)
Qualifying Mark	15
Name of the Course Coordinator	Sk. Parveen

Student Registration Form

Date: 18 / 02/22

Name of the Student

: Ch. Yesthere Rani

Admission Number

: 6904

Batch

: Batch-2

Year and Program studying

: II BZC

Semester

Ch. Yesthery Rawi Signature of the Student

Signature of the Course Coordinator



(Affiliated to AdikaviNannaya University, Rajamahendravaram, A.P.)

Departmentof Zoology

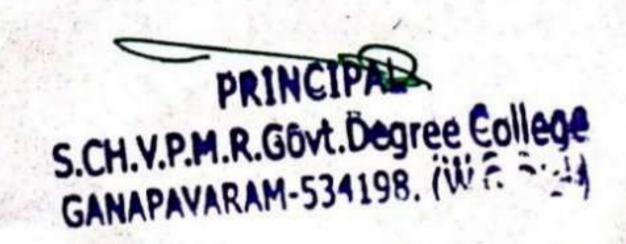
Certificate course on "Pedigree Analysis"

Academic Year: 2021-22

List of Students Enrolled

Sl.No.	Admn.No.		Name of the Student	Signature of the Student
1	6930	II BZC	Buruda. Rama Devi	B. Lama Devi
2	6904	II BZC	Chabattula. Yesteru Rani	ch. Yesteru Rani
3	6923	II BZC	Chitturi. Teja	ch. Teja
4	6905	II BZC	Danam. Asritha	Q. Asnither
5	6924	II BZC	Dasari. Vasantha Rani	D. Vasantha Rani
6	6906	II BZC	Ganji. Siddhardha	Gr. Siddhaxdla
7	6907	II BZC	Guntamukkala.D.V.S. Dinesh Kumar	G.D.V.S. Oineshkum
8	6925	II BZC	Jami. Yashika	J. Yashika
9	6926	II BZC	Kanikella. Dileep	K Deleep
10	6908	II BZC	Kolusu. Durga Bhavani	K. Durga Bhauns
1	6909	II BZC	Laveti. Gollamma	L. Gollamna
12	6927	II BZC	Manda. Nani	M. Nani
3	6910	II BZC	Mandalanka. Suneetha	M. Lunee-tha
4	6911	II BZC	Meesala. Divya Lahari	M. Dinya lahari
5	6914	II BZC	Palepu. Venkata Kavyanjali	P.V. Lauraniali
6	6915	II BZC	Paramani. Swathi	P. V. Lavyanjali P. Swatth
7	5917	II BZC	Sakalabattula. Saroja	S. Savoja
8	5918	II BZC	Saripalli. Mounika	S. Mounika
9	5919	II BZC	Seelam. Durga	S. Dux ga.
0	5920	II BZC	Teku. Naga Lakshmi	T. Naga lakshmi

Modellen



	03/03/22
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SRI CHINTALAPATI VARA PRASADA MURTHY RAJU GOVERNMENT DEGREE COLLEGE GANAPAVARAM-534 198

ESTD. 1972 • AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY • ACCREDITED NAAC 'B'



DEPARTMENT OF ZOOLOGY

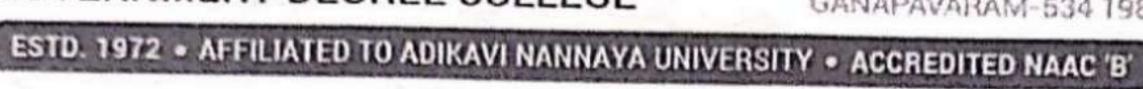
Certificate Couse on Pedigree Analysis

	FORMATIVE ASSESSMENT Test- 10- 03-2022	
Name of t	he Student: B. Rama devi	Max Marks: 15
Class	: II BZC	Time: 30 minutes
Admn No	: 6930	
1.	Two complementary strands are linked together	
	A.Phosphodiester bond B. Peptide bond C Hydrogen bond D.	Glycoside bond
2.	Which of DNA the following is not a part of the nucleotide of the l	DNA
	A. Nitrogenous base B. Deoxyribose sugar C. Phosphoric acid	
3.	The difference between sugar molecules of DNA and RNA is	
	A. Absence of nitrogen at 3-C B. Presence of nitrogen at 2-C	C. Absence of
	Oxygen at 2-C D. Presence of Oxygen at 3-C	
4.	Which of the following is not present in DNA	
	A. Guanine B. Adenine C. Uracil D. Cytosine	
5.	The number of DNA molecules in each chromosome is	
	A. One B. Up to 10 C. More than 100 D. Infinite	
6.	Which of one of these is found in human females only	
	A. XX- chromosome B. X- chromosome C. XXY- chromosome	some D. Y-
7.	Which of the following purine bases is present in RNA	
	A. Uracil B. Thymine C. Cytosine (D.) Guanine	
8.	Retroviruses replicate via intermediate	
	A. RNA BDNA C. mRNA D. r DNA	
9.	In RNA Uracil pairs with	

(A) Adenine B. Cytosine C. Thymine D. Guanine
10. The genetic material of retroviruses such as HIV is
A. DNA B.RNA C. Protein D. All
11. Transcription is the transfer of genetic information from
A DNA to DNA D . DNA . DNA
RNA B. t RNA to m RNA C.)DNA to m RNA D. m RNA to t
12. In translation, this is not an essential component
A. Amino acid (B) Ligase C. m RNA D. Anti codan
13. The enzyme required for transcription is
A. RNAase B. DNA polymerase C. RNA polymeraseD. Restriction enzymes
14. RNA instability in alkaline solutions is due to
A. Adenine B. Uracil C Ribosome D. None
15. The sugar found in DNA is
A) Equal B. Deoxy ribose C. Ribose D. Glucose
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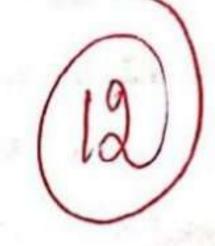


SRI CHINTALAPATI VARA PRASADA MURTHY RAJU GOVERNMENT DEGREE COLLEGE GANAPAVARAM-534 198





DEPARTMENT OF ZOOLOGY



Certificate Couse on Pedigree Analysis

FORMATIVE ASSESSMENT Test- 10- 03-2022

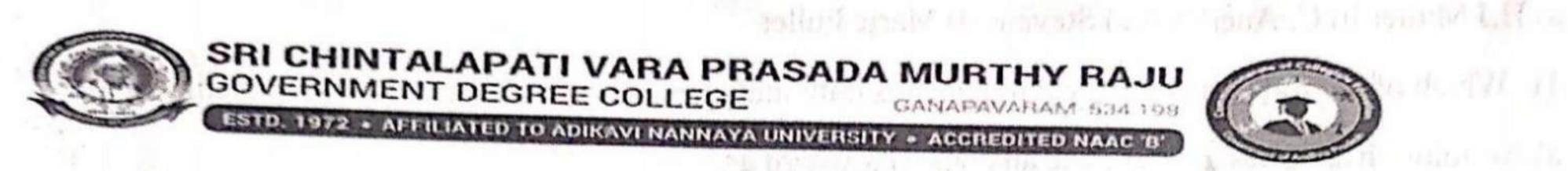
Name of the Student: CH MEStheru Rani	Max Marks: 15
Class : II BSC (BZc)	Time: 30 minutes
Admn No : 6904	on bangat 1850.
1. Two complementary strands are linked together	The state of the s
A.Phosphodiester bond B. Peptide bond C Hydrogen	bond D. Glycoside bond
2. Which of DNA the following is not a part of the nucleot	ide of the DNA
A. Nitrogenous base B. Deoxyribose sugar C. Phosp	horic acid (D) Amino acid
3. The difference between sugar molecules of DNA and RN	NA is
A. Absence of nitrogen at 3-C B. Presence of nitrogen	en at 2-C (d) Absence of
Oxygen at 2-C D. Presence of Oxygen at 3-C	
4. Which of the following is not present in DNA	
A. Guanine B. Adenine C. Uracil D. Cytosine	
5. The number of DNA molecules in each chromosome is	
A. One B Up to 10 C. More than 100 D. I	nfinite
6. Which of one of these is found in human females only	
A XX- chromosome B. X- chromosome C. XX chromosome	Y- chromosome D. Y-
7. Which of the following purine bases is present in RNA	
A Uracil B. Thymine C. Cytosine D Guanine	
8. Retroviruses replicate via intermediate	
A. RNA B. DNA C. m RNA D. r. DNA	
9. In RNA Uracil pairs with	

A Adenine B. Cytosine C. Thymine D. Guanine	
10. The genetic material of retroviruses such as HIV is	
A. DNA B. RNA C.)Protein D. All	
11. Transcription is the transfer of genetic information from	
A. DNA to RNA B. t RNA to m RNA C DNA to m RNA D. m RNA to	
RNA RNA to	t
12. In translation, this is not an essential component	
A. Amino acid B Ligase C. m RNA D. Anti component	
A. Amino acid B Ligase C. m RNA D. Anti codan 13. The enzyme required for transcription is	
A. RNAase B DNA polymerase C. RNA polymeraseD. Restriction enzymes	
14. RNA instability in alkaline solutions is due to	
A. Adenine B. Uracil (C)Ribosome D. None	
15. The sugar found in DNA is	
A. Equal B. Deoxy ribose C. Ribose D. Glucose	
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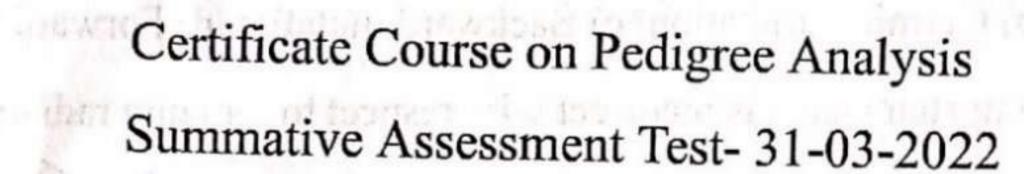
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DEPARTMENT OF ZOOLOGY



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Name of the student: B. Ramadevi

Max Marks: 25

INCOME IN STRUMENTS

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: 11 BZC

Time :

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: 50 minutes

Admn No

:6930

1. By which of the following methods, a pattern of inheritance can be traced in family

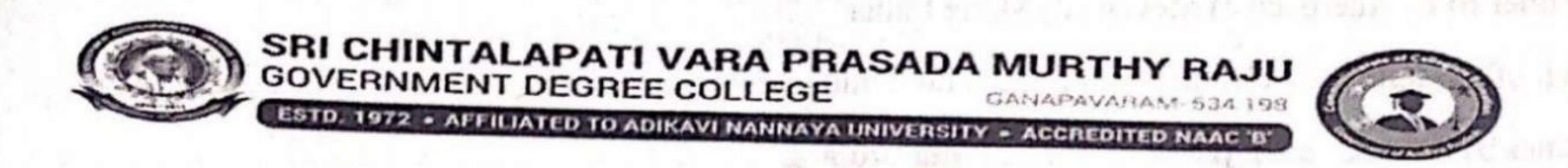
- (a) Pedigree analysis b) Chromosomal analysis.c) Nuclear analysis d) Cytoplasm analysis
- 2. A trait was found to be present only among males of a family pedigree.

Which of the following options correctly explains the above phenomenon

- a)Mitochondrial Inheritance b)zMaternal Inheritance c) Y- chromosome linked recessive Inheritance
- d) X-chromosome linked recessive Inheritance
- 3.In the pedigree, which allele is shows more characters/ diseases
- a) Dominant allele b) Recessive allele. c) Moderate allele d) Half allele
- 4. Consanguineous mating is the natural mating between two different individualsof the same species which are unrelated.
- (a) True b) False
- 5. Which was the first chemical mutagen
- a) Nitrogen gas b) Uranium core c) Technetium d) Mustard gas
- 6. Which of the following represents nullisomic conditions
- a) 2n-1(b)2n-2 c) 2n+1 d) 2n+2
- 7. Which of the following is not an example of aneuploidy
- a) Turner's syndrome b) Down's syndrome () Phenylketonuria d) Klinefelter's syndrome
- 8. Which of the following statements is incorrect with respect to polyploidy
- a) Often seen in plants b) Results in sterility in animals (c) A decrease in the number of sets of chromosomes
- d) Increase in the number of sets of chromosomes
- 9. Diploids are better for mutation experimental studies.

(a) True b) False							
10. Who is the father of Ac							
(a) H.J Muller b) C. Auerba	ch c) Stevens d) Ma	rie Fuller					
11. Which of the following	chemical mutagen	s both mutagenic t	o replicating	and non	-replicati	ng DN	NA
a) Acridines (b) Nitrous acid	d c) Base analogs d)	Mustard gas.		and I mile the later of			
12. Which of the following	mutations is the mo	st common type of	fmutation				
a) Somatic mutation b) G	erminal mutation c) Backward mutati	on(d) Forward	d mutation	on		
13. Which of the following	statements is incorr	ect with respect to	ionizing radia	ition			
a) They cause br c) The cells ionized show a	eaks in the abnormal cell division	chromosomes	(b)Does	Not	lead	to	cancer
d) Frequency of induced m	utations is directly p	proportional to the	doses of the r	adiation	5		
14. The inheritance pattern Character studied in the pe			umans is stud	lied by	the pedig	ree ar	nalysis.
a)Quantitative trait b)Men	delian trait c) Polyg	enic trait d)Matern	al trait				
15. What type of trait is Al	BO blood type	e restration in	and to a brade	AN BUTTON	Mis It Egil		
a) Allosomal recessive b)	Autosomal recessiv	e c)Autosomal code	ominant (d)	Allosoma	l codomi	inant	
16. A couple of curly haire	ed husband and strai	ght haired wife hav	e all their chi	ldren wi	th curly h	air be	cause.
a) Both are heterozygous.	b) Both are homozy	gous c)Husband is	homozygous	and the v	vife is he	terozy	gous.
d)Husband is heterozygou	s while the wife is h	omozygous.	Lie i Pasinido	dition of		n prusi	incutals.
17."A disease which show Find the nature of the trait		rom unaffected car				le pro	geny".
a)Autosomal Recessive b)Autosomal domina	nt(c)\$ex-linked rec	essive d)Se	x-linked	dominan	t His	ii.hati'u
18.In a pedigree, what shap	pe represents a male	S THE STATE OF THE	Ligarun pilr	Fil with			
a)Circle b)Square c)Trian	gle d)Diamond				Bale (
19. The death individuals a	ire represented by						the state of
a) Cross Square b) Diamor	id c) Cross Circle (d	Both a&c			is will so		
20. Carrier of a sex-linked	recessive gene is de	signated by	nyarana sa) rh	STOLD END		ang iss	qenist a
a) Black dot in middle of d) Inverted v	of the symbol b)	Black dot in the	side of the	symbol	c) cro	ssing	Circle
21. Heterozygotes males a	re designated by		to a legal Barrier Re	r ionzi ș	mery half	neix la	tible //
Half of the symbol black	(b) Full symbol is	black c) Symbol h	ave line d) S	ymbol h	ave dot		7.7.81
22. The family pedigree of	queen Victoria shor	ws a number of hae	mophilia des	cendant	s as she y	vas :	hasself
a) Affected by the disease	6) Carrier for the di	sease c)Was not a	queen d) Al	I the abo	ve	il Jun	
23. Test cross is used to	~	320	toan intentation		activities of	li es l	
			intachten.				
				Party.			

- a)Check heterozygosity in F1 generation b)Check heterozygocity in F2 generation c)Check independent assortment d) Both a&b
- 24. XXX refers to
- a) Normal female (b) Super female c) Metal female d) Tripold male
- 25. Double lines in pedigree analysis shows.
- a)Sex unspecified b) Unaffected offspring c)Normal mating (d)Consanguineous marriage



DEPARTMENT OF ZOOLOGY

Certificate Course on Pedigree Analysis Summative Assessment Test- 31-03-2022



Name of the student: CH. Yestherw Rani

: II BSc (BZC)

Time

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: 50 minutes

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Max Marks: 25

Admn No

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(a) True b) False
10. Who is the father of Actinobiology
(a) H.J Muller b) C. Auerbach c) Stevens d) Marie Fuller
11. Which of the following chemical mutagen is both mutagenic to replicating and non-replicating DNA
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13. Which of the following statements is incorrect with respect to ionizing radiation
a) They cause breaks in the chromosomes b)Does Not lead to cancer c) The cells ionized show abnormal cell division
d) Frequency of induced mutations is directly proportional to the doses of the radiations
14. The inheritance pattern of a gene over generations among humans is studied by the pedigree analysis. Character studied in the pedigree analysis is equivalent to
a)Quantitative trait b)Mendelian trait c) Polygenic trait d)Maternal trait
15. What type of trait is ABO blood type
a) Allosomal recessive b) Autosomal recessive (Autosomal codominant d) Allosomal codominant
16. A couple of curly haired husband and straight haired wife have all their children with curly hair because.
a) Both are heterozygous. b) Both are homozygous (Husband is homozygous and the wife is heterozygous.
d)Husband is heterozygous while the wife is homozygous.
17."A disease which shows its transmission from unaffected carrier females to some of the male progeny". Find the nature of the trait
a)Autosomal Recessive b)Autosomal dominan (c)Sex-linked recessive d)Sex-linked dominant
18.In a pedigree, what shape represents a male
a)Circle (b)Square c)Triangle d)Diamond
19. The death individuals are represented by
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20. Carrier of a sex-linked recessive gene is designated by
(a) Black dot in middle of the symbol (b) Black dot in the side of the symbol (c) crossing Circle (d) Inverted v
21. Heterozygotes males are designated by
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(Affiliated to AdikaviNannaya University, Rajamahendravaram, A.P.)

Department of Zoology

Certificate course on "Pedigree Analysis"

Academic Year: 2021-22 RESULT SHEET

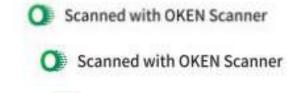
SI.No.	Admn.No.	Class	Name of the Student	FA Marks	SA Marks 25	Total 40	Grade	Signature of Student
1	6930	IIBZC	Burada Rama Devi	13	19	32	A	B. Ramase
2	6904	IIBZC	ChabattulaYesteru Rani	12	21	33	A	h Yester
3	6923	IIBZC	Chitturi Teja	09	11-	20	D	ChiTeja DAS Rathe
4	6905	IIBZC	Danam. Asritha	10	20	30	Α	DAS Rathe
5	6924	IIBZC	DasariVasantha Rani	12	19	31	A	p.v. Kane
6	6906	IIBZC	GanjiSiddhardha	10	17	27	В	Br. Biddhe
7	6907	IIBZC	Guntamukkala D V S Dinesh Kumar	12	20	32	Α	Gr. D. t. S.D.
8	6925	IIBZC	Jami Yashika	11	19	30	Α	J. Yashik
9	6926	IIBZC	Kanikella Dileep	10	20	30	Α	16 Dileep
10	6908	IIBZC	Kolusu Durga Bhavani	11	20	31	Α	K. Durga B
11	6909	IIBZC	LavetiGollamma	09	18	27	В	L. Gwllam
12	6927	II BZC	Manda Nani	10	22	32	A	M. rans
13	6910	II BZC	MandalankaSuneetha	10	19	29	В	M. Sweeth
14	6911	II BZC	Meesala Divya Lahari	13	22	35	Α	M.D. Ca
15	6914	II BZC	Palepu Venkata Kavyanjali	13	20	33	Α	P.V. Kayan
16	6915	II BZC	Paramani Swathi	12	20	32	A	P. Swath
17	6917	II BZC	Sakalabattula Saroja	12	18	30	Α	5. Saraje
18	6918	II BZC	Saipalli Mounika	11	20	31	Α	S. Mounile
19	6919	II BZC		13	21	34	A	S. Duesige
20		II BZC		10	19	29	В	T. nagalak

Grade:>30-A, 26 to30 -B, 21 to 25- C,15 to 20-D,<15-F

Course Coordinator

PRINCIPAL
S.CH.V.P.M.R.Govt.Degree College
GANAPAVARAM-534198. (W.G.Dist)







DEPARTMENT OF ZOOLOGY

Certificate Course on Pedigree Analysis

REPORT

The Department of Zoology has started a certificate course on "Pedigree Analysis" on 18-02-2022. Twenty students from II BSc Joined and completed the course successfully. The certificate course was specially designed to enhance awareness and skill among the students on the advantages of studying pedigree analysis. This course will provide the students with the key knowledge and tools to understand the fundamentals and practical implications of pedigree analysis, its opportunities and challenges. Pedigree chart is a diagram that shows the presence and absence of a trait in a family over several generations. It is widely used to track genetic diseases or traits over generations. From this course students will be able to find how certain genetic disorders will pass from one generation to another generation through a pedigree chart.

Learning Objectives

- Student learn the purpose of a pedigree How to read and interpret a pedigree chart
- Student learn how to construct a pedigree chart given sufficient information
- Student learn how to use a pedigree chart to identify the behavior of a particular allele
- Student learn how to construct a Punnett square for a particular pedigree chart crossing

Sk. Faryeen

Course Co-ordinator

S.CH.V.P.M.R.Govt.Degree College GANAPAVARAM-534198. (W.G.Dist)





CERTIFICATE

This is to certify that

BURADA RAMA DEVI, II BZC (Admission No. 6930)

of

SCHVPMR GOVERNMENT DEGREE COLLEGE, WEST GODAVARI, ANDHRA PRADESH has successfully completed the certificate course in "PEDIGREE ANALYSIS" conducted from 18 February to 29 March 2022 offered by the Department of Zoology with grade "A".

Sk. Parveen

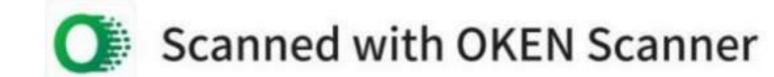
Course Co-ordinator

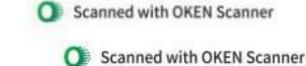
Dr T. Akki Raju

IQAC Co-ordinator

Dr M. Syambab

Principal







CERTIFICATE

This is to certify that

CHABATTULA YESTHERURANI, II BZC (Admission No. 6904)

of

SCHVPMR GOVERNMENT DEGREE COLLEGE, WEST GODAVARI, ANDHRA PRADESH has successfully completed the certificate course in "PEDIGREE ANALYSIS" conducted from 18 February to 29 March 2022 offered by the Department of Zoology with grade "A".

Sk. Parveen

Course Co-ordinator

Dr T. Akki Raju

IQAC Co-ordinator

Dr M. Syambab

Principal



