DEPARTMENT OF BIOCHEMISTRY

ADD ON COURSE

STUDENTS ENROLLMENT

2021-2022

S.NO	NAME	REG.NO	CERTIFICATE ADD ON	SIGNATURE OF THE STUDENT
			PROGRAMME	
1.	K.ABINAYA	1155217	BIOCHEMISTRY	K. Abinaya
2.	K.ANSANA	1155218	BIOCHEMISTRY	d. Ansana.
3.	K.BHARGAVI	1155219	BIOCHEMISTRY	K. Bhar Pari
4.	M.GAYATHRI	1155220	BIOCHEMISTRY	M. Gayathen
5.	R.HEMA ROJINI	1155221	BIOCHEMISTRY	R. Hema moshini
6.	J.IFTHIKA	1155222	BIOCHEMISTRY	H.Ithilca
	SALSEERIN			Salseein
7.	M.KARTHIKA	1155223	BIOCHEMISTRY	M. Lartent.
8.	J.PRIYATHARSHINI	1155224	BIOCHEMISTRY	J- Pring thanshi
9.	K.ROOPA	1155225	BIOCHEMISTRY	K. Poppa
10.	S.RUBA	1155226	BIOCHEMISTRY	S-Ruba
11.	T.RUTHRA	1155227	BIOCHEMISTRY	Pulling
12.	C.SAMIYUKTHA	1155228	BIOCHEMISTRY	C. Samilyartha
13.	J.SHOBANA	1155229	BIOCHEMISTRY	1. Shalana
14.	B.SNEKA	1155230	BIOCHEMISTRY	B. Sneka
15.	I. VENNILA	1155231	BIOCHEMISTRY	I vennil a
16.	I.VENMATHI	1155232	CHEMISTRY	T. Vonuertlei
17.	P.YUGADEVI	1155233	BIOCHEMISTRY	p. yugadevi

- Leee

SIGNATURE OF THE PRINCIPAL The Principal Idhaya College for Women Arockia Nagar - Sarugani Sivagangai Dt - 630 411



DUT FINAL YEAR OUESTION PAPER



QUESTION CODE: HEA/303DS1

NATIONAL COUNCIL OF VOCATIONAL AND RESEARCH TRAINING

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CENTRAL BOARD OF EXAMINATION

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY EXAMINATION 2021 - 2022 Paper - I

Clinical Biochemistry

Time: 3 Hrs Marks: 100 **INSTRUCTION:**

- Write answer to each Question in proportion to the Marks allotted.
- Write answer to all the Questions.
- Mark the Question numbers carefully as mentioned in Question paper.
- Answer the Compulsory Questions without fail.

I. Define the following terms:-

- 1. Colorimetry.
- 2. Sphectrophotometer.
- 3. GTT.
- 4. TCA.
- 5. Glycolysis.
- 6. Urea cycle.
- 7. Metabolism.
- 8. Fluorimeter.
- 9. Refluxing.
- 10. Van den bergh test.

II. Answer any five of the following questions:-

- 11. Principles of immuno chemical reactions.
- 12. Write about TCA cycle.
- 13. Explain about liver function tests.
- 14. Principle of potentiometry. OF VOCATI
- NAL AND RESEARCH AND OF NCV 15. Determination of electrolytes.
- 16. Clinical application of nephelometry
- 17. Write about types of glassware.

III. Answer any three of the following questions:

- 18. Explain about fat soluble vitamins.
- 19. Describe collection of urine specimen 24 hrs.
- 20. Write about recent methods of thyroid functions test.
- 21. Explain about principles of quality assurance in bio-chemical laboratory.

05X05=25

03X15=45



QUESTION CODE: HEA/305DS3

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CENTRAL BOARD OF EXAMINATION

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY EXAMINATION 2021 - 2022 Paper - III

Histology and Cytology

Time: 3 Hrs

INSTRUCTION:

- Write answer to each Question in proportion to the Marks allotted. .
- Write answer to all the Questions.
- Mark the Question numbers carefully as mentioned in Question paper.
- Answer the Compulsory Questions without fail.

Define the following terms:-1.

- 1. Adenoid G.
- 2. Cryostat.
- 3. PAS staining.
- 4. Mounting.
- 5. Decalcification.
- 6. Microtomes.
- 7. Cytospin.
- 8. FNAC Stains.
- 9. Fixatives.
- 10. Blueing.
- II. Explain the following briefly:-
 - 11. Dehydration.
 - 12. Regressive staining.
 - 13. Decalcifying agents.
 - 14. Melanin bleach
 - 15. Perls stain and its application
 - 16. Autolysis.
 - 17. Microwave processing.
- III. Answer any three of the following questions:-
 - 18. Explain about laboratory techniques in histology.
 - 19. Write about staining techniques.
 - 20. Discuss the characteristics of benign and malignant cells.

OR 1

21. Write about laboratory equipment detaily.

03X15=45

OF NOUR

Marks: 100

05X05=25



QUESTION CODE: HEA/304DS2

NATIONAL COUNCIL OF VOCATIONAL AND RESEARCH TRAINING

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DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY EXAMINATION 2021 - 2022 Paper - II Micro-Biology

Time: 3 Hrs	Marks: 100
INSTRUCTION :	
 Write answer to each Question in proportion to the Marks allo 	otted.

37

- Write answer to all the Questions.
- Mark the Question numbers carefully as mentioned in Question paper.
- Answer the Compulsory Questions without fail.

I. Define the following terms:-

- 1. Bacteriology.
- 2. Antiseptics.
- 3. Autoclave.
- 4. Hot air oven.
- 5. Microbiology.
- 6. Inoculation.
- 7. Cytotechnology
- 8. M.T.B.
- 9. Incubator.
- 10. Disease.

II. Answer any five of the following questions:-

- 11. Principles of sterilization.
- 12. Types of disinfectants.
- 13. Classification of culture media.
- 14. Morphology of bacteria. OF VOCAT
- 15. Write about mode of Infection.
- 16. Structure of cell.
- 17. Write about hot air oven.

ATIONAL AND MESHING MENT III. Answer any three of the following questions:

- 18. Draw a diagram of microscope and explain it.
- 19. Write about growth of bacteria.
- 20. Explain about techniques of inoculation.
- 21. Write about tissue culture technology.

03X15=45

05X05=25

DWLT FIRST YEAR OUESTION PAPER



QUESTION CODE: HEA/189DF1

NATIONAL COUNCIL OF VOCATIONAL AND RESEARCH TRAINING

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CENTRAL BOARD OF EXAMINATION

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY EXAMINATION 2021 - 2022

Paper - I

Anatomy and Physiology

Time: 3 Hrs INSTRUCTION :

Marks: 100

- - Write answer to each Question in proportion to the Marks allotted.
- Write answer to all the Questions.
- Mark the Question numbers carefully as mentioned in Question paper.
- Answer the Compulsory Questions without fail.

I. Define the following terms:-

- 1. Haemorrhage.
- 2. Blood group.
- 3. Bleeding time.
- 4. RBC.
- 5. Blood pressure.
- 6. Portal circulation.
- 7. Health.
- 8. Menopause.
- 9. Pancreas.
- 10. Connective tissue.

II. Answer any five of the following questions:-

- 11. List out types of muscles in the body.
- 12. Pulmonary circulation.
- 13. Fluid and electrolyte balance.
- 14. Functions of reproductive organs.
- 15. Determination of packed cell volume.
- 16. Uses of microscope.
- 17. Process of digestion and absorption.

III. Answer any three of the following questions:-

- 18. Write about structure and function of respiration system.
- 19. What are the types, structure and functions of neuron?
- 20. Structure and functions of eye.
- 21. Write about conducting system of heart.

05X05=25

03X15=45



QUESTION CODE: HEA/190DF2

NATIONAL COUNCIL OF VOCATIONAL AND RESEARCH TRAINING

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CENTRAL BOARD OF EXAMINATION

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY EXAMINATION 2021 - 2022

Paper - II

Basic Haematology and Pathology

Time: 3 Hrs **INSTRUCTION:**

- Write answer to each Question in proportion to the Marks allotted.
- Write answer to all the Questions.
- Mark the Question numbers carefully as mentioned in Question paper.
- Answer the Compulsory Questions without fail.

I. Define the following terms:-

- 1. PCV.
- 2. Electrophoresis.
- 3. Bone marrow biopsy.
- 4. WBC.
- 5. Haematology.
- 6. Anticoagulants.
- 7. ESR.
- 8. Pathology.
- 9. Haptoglobin.
- 10. Anaemias.

II. Answer any five of the following questions:-

- 11. Write about procedure of blood collection.
- 12. Bone marrow test.
- 13. Write about erythrocyte sedimentation rate.
- 14. Morphology of leukocytes.
- AND RESERVE 15. Write about normal values (any 15) in haematology.
- 16. Explain anticoagulants used in haematology.
- 17. Schilling test.
- III. Answer any three of the following questions:
 - 18. Write about measurement of abnormal Hb pigments.
 - 19. Write any 2 laboratory methods used in haematology.
 - 20. Explain about techniques of aspiration.
 - 21. Enumerate about sputum analysis.

05X05=25

03X15=45

10X03=30

Marks: 100

DMITFINAL VEAR MARKSTATEMENT



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CENTRAL BOARD OF EXAMINATION

		STATEMENT	OFMARKS	and depend on the line spin to the	and the second second second second	
REGIST	TER NUMBER	NAME OF THE CANDI	DATE	NAN	AE OF THE COU	HSF.
1	142720	Abitha S		Diploma in M	edical Laborato	ry Technology
				MARKS		RESULT
PAPER	COURSE CODE	TITLE OF THE SUBJ	IECT	ALLOTTED	OBTAINED	
1	HEA - 855	Clinical Biochemistry		100	74	PASS
n	HEA - 855	Micro-Biology		100	73	PASS
ш	HEA - 855	Histology and Cytology		100	76	PASS
١V	HEA - 855	Practical		200	190	PASS
V	HEA - 855	Internal Assessment		100	97	PASS
DATE OF BIRTH	11/06/2002		TOTAL MA	1 RKS SECURED	510	
CENTRE CODE	NAME	OF THE CENTRE PERCENTA				TH & YEAR O AMINATION
TN - 2330	ID	HAYA VTC	85 %	A		May - 2022
Ø	GRADE CLASSIF O : Outstan A : Excelle B : Good ABBREVIATION AB - Absen	nding (90% & above) nt (75% to 89.9%) (60% to 74.9%)	D : Average (4	5% to 59,9%) 0% to 44,9%) telow 40%)		

Note : Any Correction found in this entry, should be brought to the Notice of the Controller of Examinations for Investigation.



CONTROLLER OF EXAMINATION CENTRAL BOARD OF NEVRT



Training Programme of

Two Year Diploma Course in MEDICAL LABORATORY TECHNOLOGY

REGISTRAR



नियत्रक का

CONTROLLER OF EXAMINATION

This Certificate - holder is eligible & qualified for the purpose of employment in relevant sectors based on their course in Central and State Government, Private and Voluntary sectors in all part of National and International level, under the provision of Article 14, 15, 16 & 19 of the constitution of India and Registration by the Employment Exchange in India, vide reply to U. S. Q. No. 8956 on 10-05-1989 and the certificate holder is the eligible for Registration of his/her name in any -Employment Exchange in India for assistance in employment. [vide reply to U.S.Q. No. 3718 on 7th December, 1988 in the parliament of India (lok shaba) by the Hon'ble Deputy Minister of labour, Govt.of India, New Delhi and U.S.Q. No 1739, on 25.11.1998 in the Rajya Shaba by the Hon'ble Minister of labour, Govt.of India, New Delhi].

Note: This Certificate is only valid, if presented with statement of marks. Employers are request/advised to get Photocopy of this Diploma Verified from NCVRT, New Delhi before the certificate Holder is appointed or considered for any post.

For verification kindly visit www.ncvrtindia.org



(AN AUTONOMOUS BODY, NCVRT VOCATIONAL EDUCATION COUNCIL)

Established under article 29 & 30(1) Constitution of India Incorporated under the legislation of Ministry of Corporate Affairs, Section (8), Act - 2013. GOVERNMENT OF INDIA

Certificate

This is to Certify that

0 1 6 9 4 3

ABITHA S

with Register No. 1142720 Son/daughter of Mr./Mrs. Sivakumar was examined by the Board of National Council of Vocational and Research Training during the Academic year 2020 - 2022

& qualified herself / himself for the award of certified

Skill Training Programme of

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

His / Her overall conduct is Good.



किंग का नियंत्रक

Controller of Examination

This Certificate - holder is qualified for the purpose of employment in relevant sector based on their course in central and state Government, private and Voluntary sectors in all part of National and International level, under the provision of Article 14,15,16 & 19 of constitution of India and Registration by the Employment Exchange in India, Vide reply to U.S.Q. No.8956 on 10-05-1989 and the certificate holder is the eligible for Registration off his/her name in any Employment Exchange in India for assistance in employment. [vide reply to U.S.Q. No 3718 on 7th December, 1988 in the parliament of India (lok shaba) by Hon'ble Deputy Minister of labour, Govt. of India, New Delhi and U.S.Q. No 1739, on 25.11.1998 in the Rajya Shaba by the Hon'ble Minister of Iabour, Govt. of India, New Delhi and U.S.Q. No 1739, on 25.11.1998 in the Rajya Shaba by the Standards for Vocational Education Council (IQSVEC) as per the rule of National Vocational Education Qualification Framework (NVEQF) under Ministry of Human Resource Development, Government of India.

Note: This Certificate is only valid, if presented with statement of marks.



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Incorporated under the legislation of Ministry of Corporate Affairs, Section (8), Act - 2013.

GOVERNMENT OF INDIA

CENTRAL BOARD OF EXAMINATION

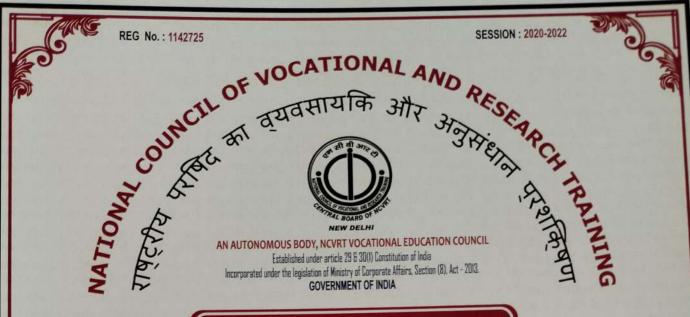
		STATEMEN	NT OF MARKS	A STREET, STRE		
REGIS	STER NUMBER	NAME OF THE CA	NDIDATE	NAN	IE OF THE COU	RSE
	1142725	Kaleshwar	iA	Diploma in Me	edical Laborato	ry Technology
PAPER	COURSE CODE			MARKS		RESULT
	Coche Cont	TITLE OF THE S	URJECT	ALLOTTED	OBTAINED	and the second s
1	HEA - 855	Clinical Biochemistry		100	76	PASS
11	HEA - 855	Micro-Biology		100	74	PASS
	HEA - 855	Histology and Cytolo	9У	100	76	PASS
IV	HEA - 855	Practical		200	195	PASS
V	HEA - 855	Internal Assessment		100	98 PA	
DATE OF BIRTH	11/10/2000		TOTAL MAR	RKS SECURED	519	
CENTRE CODE	NAME O	OF THE CENTRE PERCENTAGE		GRADE MONTH & YEA		
N - 2330	IDH	IDHAYA VTC 86.5 %		A	May - 2022	
C	GRADE CLASSIFIC O : Outstand A : Excellent B : Good ABBREVIATION : AB - Absent	ling (90% & above)	D : Average (40	% to 59.9%) % to 44.9%) clow 40%)		0303015

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NEW DELHI - 110 058



CONTROLLER OF EXAMINATION CENTRAL BOARD OF NCVRT



Provisional Certificate

This is to certify that Mr./Ms./ Mrs.....Kaleshwari A daughter/ Son of Shri/ Smt.....Alagar Swas examined by the Board of Examiners of the National Council of Vocational and Research Training, New Delhi and has been qualified for the award of Certified Skill Training Programme of

Two Year Diploma Course in MEDICAL LABORATORY TECHNOLOGY

REGISTRAR



CONTROLLER OF EXAMINATION

This Certificate - holder is eligible & qualified for the purpose of employment in relevant sectors based on their course in Central and State Government, Private and Voluntary sectors in all part of National and International level, under the provision of Article 14, 15, 16 & 19 of the constitution of India and Registration by the Employment Exchange in India, vide reply to U. S. Q. No. 8956 on 10-05-1989 and the certificate holder is the eligible for Registration of his/her name in any - Employment Exchange in India for assistance in employment. [vide reply to U.S.Q. No. 3718 on 7th December, 1988 in the parliament of India (lok shaba) by the Hon'ble Deputy Minister of labour, Govt.of India, New Delhi and U.S.Q. No 1739, on 25.11.1998 in the Rajya Shaba by the Hon'ble Minister of labour, Govt.of India, New Delhi].

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Certificate



This is to Certify that

KALESHWARI A

with Register No. 1142725 Son/daughter of Mr./Mrs. Alagar S was examined by the Board of National Council of Vocational and

Research Training during the Academic year 2020 - 2022

& qualified herself / himself for the award of certified

Skill Training Programme of

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

His / Her overall conduct is Good.



परीक्षा का नियंत्रक Controller of Examination

This Certificate - holder is qualified for the purpose of employment in relevant sector based on their course in central and state Government, private and Voluntary sectors in all part of National and international level, under the provision of Article 14,15,16 & 19 of constitution of India and Registration by the Employment Exchange in India, Vide reply to U.S.Q. No.8956 on 10-05-1989 and the certificate holder is the eligible for Registration off his/her name in any Employment Exchange in India for assistance in employment. [vide reply to U.S.Q. No.3718 on 7th December, 1988 in the parliament of India (lok shaba) by Hon'ble Deputy Minister of labour, Govt.of India, New Delhi and U.S.Q. No 1739, on 25.11.1998 in the Rajya Shaba by the Hon'ble Minister of labour, Govt.of India, New Delhi]. NCVRT PG Diploma/Advance Diploma/Diploma/Certificates are recognized/Accredited by all the members of International Quality Standards for Vocational Education Council(IQSVEC) as per the rule of National Vocational Education Qualification Framework (NVEQF) under Ministry of Human Resource Development, Government of India.

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CENTRAL BOARD OF EXAMINATION

1949	Sale Pression	STATEMENT	OF MARKS				
REGIS	TER NUMBER	NAME OF THE CANDIDATE		NAME OF THE COURSE			
	1155221	Ifthika Salseerin	н	Diploma in Me	edical Laborato	ory Technology	
PAPER COURSE CODE		TITLE OF THE SUBJECT		MARKS		RESULT	
TALLA	COUNSECODE	THE OF THE SUB	JECT	ALLOTTED	OBTAINED	-	
1	HEA - 855	Anatomy and Physiology		100	79	PASS	
Ш	HEA - 855	Basic Haematology and Pathology		100	81	PASS	
III	HEA - 855	Immunohaematology		100	79	PASS	
IV	HEA - 855	Practical		200	192	PASS	
v	HEA - 855	Internal Assessment		100	98	PASS	
DATE OF BIRTH	18/06/2002		TOTAL MAJ	RKS SECURED	529		
CENTRE CODE	NAME	OF THE CENTRE PERCENTAG		R GRADE		NTH & YEAR OF XAMINATION	
FN - 2330	IC	IDHAYA VTC		A	May - 2022		
	GRADE CLASSIF O : Outsta A : Excelle B : Good ABBREVIATION AB - Absen	nding (90% & above) ent (75% to 89.9%) (60% to 74.9%) :	D: Average (40	5% to 59.9%) 1% to 44.9%) elow 40%)		0303032	

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CENTRAL BOARD OF EXAMINATION

		STATEME	INT OF MARKS			The second
REGIS	TER NUMBER	NAME OF THE C	ANDIDATE	NA	ME OF THE COU	IRSE
	1155218	Ansana	к	Diploma in M	ledical Laborato	ry Technolog
PAPER	COURSE CODE	OURSE CODE THE S		MARKS		DEGUT
	COURSE CODE TITLE OF THE SUBJ		SUBJECT	ALLOTTED	OBTAINED	RESULT
1	HEA - 855	Anatomy and Physiology		100	80	PASS
11	HEA - 855	Basic Haematology	and Pathology	100	80	PASS
III	HEA - 855	Immunohaematolog	ay	100	83	PASS
IV	HEA - 855	Practical		200	192	PASS
V	HEA - 855	Internal Assessmen	nt	100	98	PASS
			•			
DATE OF BIRTH	01/11/2002		TOTAL MAR	KS SECURED	533	
CENTRE CODE	NAME OF THE CENTRE PERC		PERCENTAGE	CRADE I		H & YEAR O MINATION
TN - 2330	IDł	HAYA VTC	88.8 %	A	Ma	ay - 2022
	GRADE CLASSIFU O : Outstand A : Excellen B : Good ABBREVIATION : AB - Absent	ding (90% & above)	D: Average (409	// to 59.9%) % to 44.9%) // ow 40%)		0303029

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NEW DELHI - 110 058



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CENTRAL BOARD OF EXAMINATION

		STATEMENT	I OF MARKS			
REGIS	STER NUMBER	NAME OF THE CAN	DIDATE	NAS	IE OF THE COU	RSE
	1155230	Venmathi. I		Diploma in M	edical Laborato	ry Technology
				MARKS		RESULT
PAPER	COURSE CODE	TITLE OF THE SUBJECT		ALLOTTED	OBTAINED	harry the
1	HEA - 855	Anatomy and Physiology		100	08	PASS
II	HEA - 855	Basic Haematology and Pathology		100	80	PASS
	HEA - 855	Immunohaematology		100	78	PASS
IV	HEA - 855	Practical	200	190	PASS	
v	HEA - 855	Internal Assessment		100	95	PASS
DATE OF BIRTH	22/08/2003		TOTAL MA	J RKS SECUREL	523	
CODE	NAME OF THE CENTRE		PERCENTAG	CEL CRADE		TH & YEAR O AMINATION
v - 2330	IDHAYA VTC		87.1 %	A		May - 2022
	GRADE CLASSIFIC O : Outstand A : Excellent B : Good ABBREVIATION : AB - Absent	ling (90% & above)	D : Average (4	5% to 59.9%) 10% to 44.9%) 3elow 40%)		

Note : Any Correction found in this entry, should be brought to the Notice of the Controller of Examinations fo Investigation.

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