

Application for Project Assistant position under Dr. Rohini Muthuswami in DST project entitled “National centre for screening Natural Products for Parasitic diseases”

Name: Mohd Maksuf Ul Haque

D.O.B: 10-09-1996 (10th of September, 1996)

Age: 24 years

Address: C-98, Ground Floor, Thokar No.8, Jamia Nagar, New Delhi.

Qualifications:

1. M.Sc. Bioinformatics [(2020) (CGPA: 8.4)]
2. B.Sc. Biosciences [(2018) (CGPA: 6.81)]
3. Dissertation under Dr. R K Brojen Singh [(January,2020 – May,2020) (Thesis Title: Gene Expression Network of Prostate Cancer: Creation and Analysis)]
4. Trainee under Dr. R K Brojen Singh and Dr. Md. Zubbair Malik (June 2020 – February 2021)

Technical Skills:

1. Microarray and RNAseq Data analysis
2. Network Analysis
3. Experience with programming languages: Python, R, PERL, and C.

Contact Number: +91-9891896903

E-Mail: mdmakshuf@gmail.com

Referee E-mails:

1. brojen@jnu.ac.in (Prof. R K Brojen Singh)

Mohd Maksuf Ul Haque

Correspondence Address:

C-98, Ground Floor, Thokar No. 8, Jamia Nagar
New Delhi-110025

Email Address: mdmakshuf@gmail.com

Phone: [+91-9891896903](tel:+91-9891896903)



Personal statement

I have just finished my M.Sc. Bioinformatics, during this course, I studied many bioinformatics tools and programming languages like PERL, C, JAVA, SQL, and Python. Gene expression analysis and interpretation of raw sequencing data have been my main area of work since my dissertation project, whose goal was to find potential key regulators and biomarkers for Prostate cancer.

I believe I have the required experience that is desirable for this project and this project will give me an opportunity to work on real-time, novel, and raw sequencing data. This would be a very good chance for me to enhance my knowledge and skills.

Education and Experience

Research Trainee, SCIS, JNU

(June 2020 – February 2021)

During this period the focus of my work Differential expression analysis of various Microarray datasets under Dr. Brojen Singh and Dr. Md. Zubair Malik. I also learnt various tools and software that aide in data analysis.

M.Sc. (Bioinformatics), Jamia Millia Islamia, New Delhi.

8.83 SGPA

(2018 –2020)

Thesis Title: Gene Expression Network of Prostate Cancer:

Creation and Analysis

The six-month thesis was done under the guidance of Dr. R.K. Brojen Singh, Associate Professor, SCIS, JNU, and Dr. Khalid Raza, Assistant Professor, CS Department, JMI.

Key Skills Gained:

- Intermediate level Python
- Fairly proficient in C
- PERL and R
- Basics of SQL

- Network Analysis
- Analysis of NGS and MicroArray expression data
- Experience with different web-based tools and Databases for biological data analysis

B.Sc. (Biosciences), Jamia Millia Islamia, New Delhi.

6.81 CGPA

(2015 – 2018)

Subjects Studied:

- Molecular Biology
- Genetics
- Immunology
- Biochemistry
- Cell Biology

Lab Skills:

- | | |
|----------------------------|---|
| • Bacterial transformation | • Immuno-diffusion techniques |
| • Bacterial cell culture | • Karyotyping |
| • DNA RNA isolation | • ELISA |
| • Plasmid cloning | • Florescence and IR spectroscopy |
| • DNA Gel electrophoresis | • Basic microscopy, Centrifuging and Autoclaving techniques |
| • Chromatographic methods | • PCR |
| • Western blotting | |

St. Michael Convent School

(2002-2014)

- SSSC CBSE (Biology major): **74.2%**
- HSC CBSE : **8.2 CGPA**

Publications:

-
- **Mohd Maksuf ul Haque**, Md Sheeraz Anwar, Tulika Sinha, Fauzul Mobeen, Md Zubair Malik. **Study of Alzheimer's disease to identify novel therapeutic drug targets:network theoretical approach.** Genes (Under review).

Published Chapters*

-
- Applications of AI and ML in IoT (CRC Press)
 - Role of TDP-43 in ALS: A Systems Biology Approach (Elsevier)
 - IoT: Fundamentals and challenges (Bentham Press)
 - Blockchain: Concept and Emergence (Bentham Press)

***All the chapters have been accepted for publication in various books but have not yet been published and I am not the sole author.**

Other Related Activities

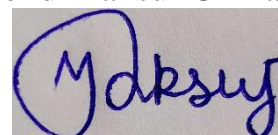
- GIAN workshop on “Algorithms and Methods for Biological Data.”
- GIAN workshop on “Cancer therapy through targeting Mammalian DNA repair Pathways.”
- Using BOWTIE and AUTODOCK VINA.
- Working on SPDV.
- Using web-based tools like CASTp, CLUSTAL W, BLAST, FASTA, etc.
- Project Euler’s problems (<https://github.com/makshuf/ProjectEuler>).
- Using GIT.

Declaration:

I hereby declare that the given above information are true to the best of my knowledge and belief and can be supported with reliable documents when needed.

Place: New Delhi

Mohd Maksuf Ul Haque





جامعه ملیہ اسلامیہ

JAMIA MILLIA ISLAMIA

(A Central University by an Act of Parliament)

NAAC Accredited Grade "A"

M.SC. (BIOINFORMATICS)

SEMESTER-IV EXAMINATION 2020



Name of the Candidate : Mohd Maksuf UI Haque

Examination Roll No. : 18MBI019

Father's Name : Syed Quais Ali

Enrolment No. : 15-1670

Category : Regular

COURSE NO	TITLE	THEORY		PRACTICAL	
		CREDIT	GRADE	CREDIT	GRADE
MBI1841	MAJOR PROJECT	---	---	20	A+

SEM	SGPA	CREDITS
I	7.83	24
II	8.42	24
III	7.57	23
IV	10.00	20
GRAND TOTAL		91

CGPA: 8.4

RESULT/REMARKS First Division with Distinction

Note :- N denotes "not appeared or absent", D Grade in a course shows that the candidate has failed in that course, U denotes "Unfair means"

Prepared by : M.Ansari

Checked by : 1

ASSTT CONTROLLER OF EXAMINATIONS



DATE OF ISSUE

Date of Result : 02-12-2020



20002557



جامعہ ملیہ اسلامیہ

JAMIA MILLIA ISLAMIA

(A Central University by an Act of Parliament)

NAAC Accredited Grade 'A'
B.Sc.(BIOSCIENCES)

SEMESTER-VI EXAMINATION 2018

Name of the Candidate : **Mohammad Makshuf Ul Haque**

Examination Roll : **15BBS0020**

Father's Name : **Syed Quais Ali**

Enrolment No. : **15-1670**

Category : **Regular**



COURSE NO	TITLE	THEORY		PRACTICAL	
		CREDIT	GRADE	CREDIT	GRADE
BSB-601	BIOCHEMISTRY	4	B	---	---
BSB-602	ECOLOGY	4	C+	---	---
BSB-603	ORGANIC EVOLUTION	4	B	---	---
BSB-604	TECHNIQUE IN BIOLOGY	4	B+	---	---
BSB-605	LAB COURSE VI	---	---	6	B

SEM	SGPA	CREDIT
I	6.17	24
II	6.20	20
III	6.00	20
IV	7.40	20
V	8.20	20
VI	7.00	22
GRAND TOTAL		126
CGPA:		6.81

RESULT/REMARKS First Division

Note : N denotes not appeared or absent. F Grade in a course shows that the candidate has failed in that course. U denotes "Unfair means"

Prepared by : **M.Ansari**

Checked by : 1

(Signature)

ASSTT CONTROLLER OF EXAMINATIONS



Date of Result **16-10-2018**

DATE OF ISSUE **14 NOV 2018**



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केन्द्रीय माध्यमिक शिक्षा बोर्ड
CENTRAL BOARD OF SECONDARY EDUCATION

994888

अंक विवरणिका MARKS STATEMENT

सीनियर स्कूल सर्टिफिकेट परीक्षा, 2014

SENIOR SCHOOL CERTIFICATE EXAMINATION, 2014

ALL INDIA

नाम Name MOHD MAKSUF UL HAQUE

अनुक्रमांक Roll No. 5677040

माता/पिता/संरक्षक का नाम ZAHIDA TABBASSUM ALI

Mother's/Father's/Guardian's Name SYED QUAIS ALI

विद्यालय School 08751 ST MICHAEL'S CONVENT H SCH MANKAPUR GONDA UP

विषय कोड SUB. CODE	विषय SUBJECT	प्राप्तांक MARKS OBTAINED				स्थितीय ग्रेड POSITIONAL GRADE
		लि. TH	प्रे. PR	योग TOTAL	योग शब्दों में TOTAL IN WORDS	
301	ENGLISH CORE	095	XXX	095	NINETY FIVE	A1
044	BIOLOGY	049	030	079	SEVENTY NINE	B2
048	PHYSICAL EDUCATION	049	030	079	SEVENTY NINE	B1
042	PHYSICS	027	028	055	FIFTY FIVE	D1
043	CHEMISTRY	037	026	063	SIXTY THREE	C2
500	WORK EXPERIENCE					A2
502	PHY & HEALTH EDUCA					B2
503	GENERAL STUDIES					A2

संक्षेपियों का अर्थ : Abbreviations

AB : विषय में अनुपस्थित Absent in the Subject

परिणाम Result

PASS

EX : छूट-प्राप्त Exempted

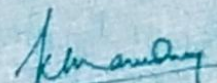
FP : प्रयोगात्मक में असफल Fail in Practical

FT : लिखित में असफल Fail in Theory

दिल्ली Delhi

28-05-2014

दिनांक Dated



परीक्षा नियंत्रक

Controller of Examinations

ग्रेड शीट सह विद्यार्थन प्रमाण पत्र Grade Sheet cum Certificate of Performance

MOHD MAKSHUF UL HAQUE

अनुक्रमांक Roll No. : 5179561

SAHIDA TABASSUM ALI / SYED QUAIS ALI
10/09/1996 10TH SEPTEMBER NINETEEN HUNDRED NINETY SIX
08751-ST MICHAEL'S CONVENT H SCH MANKAPUR GONDA UP



यह प्रमाणित किया जाता है कि This is to certify that

माता/पिता/रक्षक का नाम

Mother's/Father's/Guardian's Name

जन्म तिथि Date of Birth

विद्यालय School

का विद्यार्थन विद्यार्थन रहा/has performed as follows :

भाग Part-1 शैक्षिक क्षेत्र Scholastic Areas

1 (क)(A) : शैक्षिक विषयवस्तु Academic Performance :

विषय कोड नाम Subject Code and Name	कक्षा Class IX				कक्षा Class X			
	Grade FA	Grade SA	Overall Grade (FA+SA)		Grade FA	Grade SA	Overall Grade (FA+SA)	
	Grade FA	Grade SA	Grade Point (GP)	Grade Point (GP)	Grade FA	Grade SA	Grade Point (GP)	Grade Point (GP)
101 ENGLISH COMM.	B1	B2	B1	08	A2	B1	A2	09
002 HINDI COURSE-A	B2	B2	B2	07	B1	B1	B1	08
041 MATHEMATICS	A1	B2	B1	08	A2	C2	B1**	08
086 SCIENCE	B1	C1	B1	08	A2	B2	B1	08
087 SOCIAL SCIENCE	A2	C1	B2	07	A2	B1	B1	08

नोटिफिकेशन : विद्यार्थन की योग्यता के अनुसार, अधिस्तित को विषय को जोड़कर सभी विषयों में अंतिम ग्रेड निर्धारित का होता है।
Note : Final Grade is determined on the basis of the performance in all the subjects.
• विद्यार्थन अंकों की निर्देशांक प्रतिशत = 9.5 x विषय का अंक
• अंकों की योग्य निर्देशांक प्रतिशत = 9.5 x विषय का अंक
As per Scheme of Studies CBSE in the average of Grade Points obtained in all the subjects excluding additional 5th subject.
An indicative approximation of Grade Point and Percentage of Marks can be calculated as follows :
• Subject wise indicative percentage of marks = 9.5 x GP of the subject
• Overall indicative percentage of marks = 9.5 x CGPA

समस्त ग्रेड बिन्दु का औसत (समीकृत) Cumulative Grade Point Average (CGPA) :

09.2

1 (ख)(B)

1 (ख)(B)	कक्षा Class IX		ग्रेड Grade	कक्षा Class X		ग्रेड Grade
	वर्णनात्मक सूचक Descriptive Indicators			वर्णनात्मक सूचक Descriptive Indicators		
कार्य शिक्षा Work Education	"Collaborates, is motivated, guides and facilitates others and follows timelines. Demonstrates a positive approach. Can tackle problems and has learnt to apply knowledge."		A+	"Collaborates, is helpful and follows timelines. Shows involvement and attempts to facilitate and guide others. Demonstrates a practical approach."		A+
कला शिक्षा Art Education	"Attempts to create original work with peer group and is a keen observer."		B	"Good observation skills and displays willingness to appreciate works of art."		B
शारीरिक एवं स्वास्थ्य शिक्षा / खेल कूद Physical and Health Education / Games	"Displays understanding of physical fitness, knowledge of different sports and rules and regulations. Displays good decision making skills."		B+	"Shows interest in physical education programmes, displays team work, motivation and co-ordination skills."		B+

2 (क)(A) जीवन कौशल Life Skills :

भाग Part-2 : सह-शैक्षिक क्षेत्र Co-Scholastic Areas

विवरण (के प्रति) Attitude towards	वर्णनात्मक सूचक Descriptive Indicators	ग्रेड Grade	वर्णनात्मक सूचक Descriptive Indicators	ग्रेड Grade
चिंतन कौशल Thinking Skills	"Can identify strengths and weaknesses. Has an independent thought process and often gets original ideas. Excellent problem solving and decision making skills."	A+	"Can identify and analyse problems with their strengths and weaknesses. A creative and critical thinker. Has an independent thought process. Excellent problem solving and decision making skills."	A+
सामाजिक कौशल Social Skills	"Is helpful, exhibits good inter-personal skills and is a good listener. Is aware of the social norms and responds appropriately."	A	"Is empathetic, exhibits good interpersonal and communication skills."	A
आत्मनिष्ठा कौशल Emotional Soc	"Is self confident, empathetic and optimistic. Is able to overcome adverse situations gracefully, and can handle stress well. Expresses feeling and emotion."	A	"Is able to overcome weaknesses, stress and negative emotions. Is helpful and empathetic"	A

2 (ख)(B) अभिवृत्तियाँ एवं मूल्य Attitudes and Values :

विवरण (के प्रति) Attitude towards	वर्णनात्मक सूचक Descriptive Indicators	ग्रेड Grade	वर्णनात्मक सूचक Descriptive Indicators	ग्रेड Grade
अध्यापक Teachers	"Is always respectful and courteous towards teachers. Adheres to rules and is sincere and helpful to teachers. Demonstrates a positive attitude towards learning. Communicates with and confides in teachers and takes criticism positively."	A+	"Is always respectful and courteous towards teachers and elders. Exhibits a positive attitude towards learning and adheres to school and class norms. Takes criticism positively."	A+
सहपाठी School-mates	"Expresses ideas with classmates and respects opposite gender. Has a good rapport with peers, interacts effectively with classmates. Sensitive towards differently-abled schoolmates and is tolerant to diversity."	A	"Has a good rapport with peers and is sensitive towards differently-abled schoolmates."	A
विद्यालय कार्यक्रम School Programmes	"A regular participant in most of the school programmes and events. Is responsible and demonstrates a healthy school spirit. Takes care of the school property."	A	"Is a keen participant in various school programmes. Displays a school spirit and inspires others."	A
पर्यावरण Environment	"Is environmentally aware, sensitive and responsible, participates in environment related activities at school and community levels."	A	"Is environmentally aware, sensitive and responsible towards the concerns of surroundings. Participates in school driven activities."	A
मूल्य प्रणालियाँ Value Systems	"Mostly adheres to value systems, abides by rules and regulations, is honest, courteous and possesses leadership qualities, respects National Flag and Symbols. Is sensitive to diversity, cares for underprivileged and respects opposite gender"	A+	"Abides by rules and regulations, adheres to value systems and is ethical and courteous. Is sensitive to diversity and respects the opposite gender. Is committed, values time and possesses a sense of national pride."	A+

भाग Part-3 सह-शैक्षिक कार्यक्रम Co-Scholastic Activities

3 (क)(A) सह-शैक्षिक कार्यक्रम Co-Scholastic Activities :

कार्यकलाप Activity	वर्णनात्मक सूचक Descriptive Indicators	ग्रेड Grade	वर्णनात्मक सूचक Descriptive Indicators	ग्रेड Grade
LITERARY & CREATIVE SKILLS	"Participates in literary events at school level. Is fond of reading and appreciates written and spoken texts, expresses ideas and opinions clearly."	A	"Avid reader, appreciates literary texts, expresses original ideas. Participates in literary and creative activities at school level."	A
VISUAL & PERFORMING ARTS	"Participates actively. Exhibits creative expression and is able to understand and enjoy art forms and performances."	A	"Participates actively and displays creative expression to understand art forms."	A

3 (ख)(B) शारीरिक एवं स्वास्थ्य Physical and Health Education :

कार्यकलाप Activity	वर्णनात्मक सूचक Descriptive Indicators	ग्रेड Grade	वर्णनात्मक सूचक Descriptive Indicators	ग्रेड Grade
SPORTS/INDIGENOUS SPORTS (KHO-KHO ETC)	"Displays talent in an identified sport. Possesses endurance, strength and speed, is agile and flexible with good hand-eye co-ordination, and demonstrates sportsmanship."	A	"Displays talent in a particular sport that can be nurtured further. Is a good sportsman exhibiting discipline, punctuality and team spirit."	A
FIRST AID	"Knows First Aid and is committed to help person/s in need of medical emergency. Demonstrates aptitude to handle medical situations and is committed towards health and safety."	A	"Knows First Aid and is committed in administering First Aid to person/s in need of medical emergency."	A

*** अप्रुप ग्रेड Upgraded Grade

परिणाम Result : QUALIFIED FOR ADMISSION TO HIGHER CLASSES