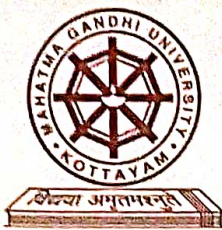


Register No : 160021039324

Month & Year : March 2019



# Mahatma Gandhi University

(Established by Kerala State Legislature by the Gandhiji University Act, 1985 (Act 12 of 1985) and amended as Mahatma Gandhi University Act, 1985 by Act II of 1988)  
University Buildings, Priyadarsini Hills P.O., Kottayam-686 560, Kerala, India

## FACULTY OF SCIENCE

*The Syndicate of the Mahatma Gandhi University hereby makes known that Smt **RESHMA VENUGOPAL** has been admitted to the **Degree of Bachelor of Science** she having been certified by duly appointed examiners to be qualified to receive the same and having been by them placed in the **C** grade with a Cumulative Credit Point Average of **6.52** at the examination under Choice Based Course-Credit-Semester System and Grading held in **March 2019** with the following courses.*

<i>Common Course I</i>	<b>ENGLISH</b>
<i>Common Course II</i>	<b>MALAYALAM</b>
<i>Core Course</i>	<b>MATHEMATICS</b>
<i>Complementary Course I</i>	<b>PHYSICS</b>
<i>Complementary Course II</i>	<b>STATISTICS</b>
<i>Open Course</i>	<b>FUNDAMENTALS OF ACCOUNTING</b>

*Given under the seal of the University.*

Dated: 20 MAY 2023



*Vice-Chancellor*



ATTESTED

NOTARY PUBLIC  
DELHI (INDIA)

ENTRY No. 397..

4

*[Handwritten signature]*



**ASHEESH KUMAR**  
SDM (Rajouri Garden)  
Government of N.C.T. of Delhi  
Plot. No. 3, 2nd Floor, Shivaji Place,  
Raja Garden, New Delhi-110027

भारत सरकार GOVERNMENT OF INDIA  
अपोस्टिल / APOSTILLE  
(Convention de La Haye du 5 octobre 1961)

Country  
**REPUBLIC OF INDIA**

*This public document*  
DEGREE

has been signed by VICE CHANCELLOR  
acting in the capacity of VICE CHANCELLOR  
bears the seal/stamp of SDM RAJOURI GARDEN NEW DELHI

**Certified**  
at NEW DELHI, INDIA the 01-Apr-2024  
by SO (OI/Attestation) MINISTRY OF EXTERNAL AFFAIRS  
No. RJP0001133624

Seal / Stamp  
is issued to RESHMA VENUGOPAL

*Signature*  
*[Signature]*

01 2031394

(राज कुमार सिंह)  
(RAJ KUMAR SINGH)  
अनुमति अधिकारी (सत्यापन / ओ.आई.)  
Section Officer (Attestation / O.I.)  
डी.डी. 3, प्रथम / C.P.V. Division  
विदेश मंत्रालय, नई दिल्ली  
Ministry of External Affairs, New Delhi

Section PO 11

Prepared by *[Signature]*

Compared by *[Signature]*

Section Officer *[Signature]*





**Mahatma  
Gandhi  
University**

Priyadarsini Hills P.O, Kottayam- 686560,  
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Tel: +91-481-2732500  
E-mail: mgu@mgu.ac.in www.mgu.ac.in

Established by Kerala State Legislature  
by the Gandhiji University Act, 1985 (Act 12 of 1985)  
and amended as Mahatma Gandhi University Act, 1985  
by Act II of 1988

## CONSOLIDATED MARK CUM GRADE CARD



**Section : CBCSS XVIII**

**Name of the Candidate** : RESHMA VENUGOPAL  
**Name of the College** : S S V COLLEGE, VALAYANCHIRANGARA,  
PERUMBAVOOR  
**Permanent Register Number (PRN)** : 160021039324  
**Degree** : BACHELOR OF SCIENCE  
**Programme** : MATHEMATICS  
**Stream** : MODEL I  
**Date of Birth** : 07-Jan-1999  
**Date of Eligibility for the Degree** : 23-Mar-2020





Permanent Register Number (PRN) : 160021039324

Course Code	Course Title	Credits (C)	Marks						Grade Awarded (G)	Grade Point (GP)	Credit Point (C x GP)	Institution Average (IA)	University Average (UA)	Result
			External		Internal		Total							
			Awarded (E)	Maximum	Awarded (I)	Maximum	Awarded (E+)	Maximum						
<b>SEMESTER I</b>														
	<b>Common Course I</b>													
EN01AA901	English - Communication Skills in English	4	28	80	18	20	46	100	E	5	20	17.59	33.79	Pass
EN01AA902	English - Reading Literature in English	3	30	80	18	20	48	100	E	5	15	17.58	31.80	Pass
	<b>Common Course II</b>													
MA01AB901	Malayalam - Katha, Novel	4	54	80	17	20	71	100	B	8	32	16.01	43.71	Pass
	<b>Core Course</b>													
MT01BAA01	Foundation of Mathematics	3	48	80	19	20	67	100	C	7	21	18.04	41.75	Pass
	<b>Complementary Course</b>													
PH01CA903	Physics - Properties of Matter, Mechanics and Fourier Analysis	2	20	60	8	10	28	70	E	5	10	7.53	26.20	Pass
ST01CAA03	Statistics - Basic Statistics	3	36	80	17	20	53	100	D	6	18	16.46	53.22	Pass
<b>SEMESTER II</b>														
	<b>Common Course I</b>													
EN02AA901	English - Critical Thinking, Academic Writing & Presentation	4	41	80	17	20	58	100	D	6	24	17.46	27.04	Pass
EN02AA902	English - Musings on Vital Issues	3	32	80	18	20	50	100	D	6	18	17.28	28.88	Pass
	<b>Common Course II</b>													
MA02AB901	Malayalam - Kavitha	4	43	80	17	20	60	100	C	7	28	15.81	38.92	Pass
	<b>Core Course</b>													
MT02BAA01	Analytic Geometry, Trigonometry And Matrices	3	40	80	19	20	59	100	D	6	18	18.00	39.89	Pass
	<b>Complementary Course</b>													
PH02CAA01	Physics - Electric and Magnetic Phenomena, Thermodynamics and Special Theory Of Relativity	2	28	60	10	10	38	70	D	6	12	8.09	30.04	Pass
PH12CAA01	Physics - Electric And Magnetic Phenomena, Thermodynamics and Special Theory of Relativity (P)	2	37	40	20	20	57	60	A+	10	20	18.48	33.28	Pass
ST02CAA04	Statistics - Theory Of Random Variables	3	51	80	19	20	70	100	B	8	24	16.16	30.37	Pass
<b>SEMESTER III</b>														
	<b>Common Course I</b>													
EN03AA901	English - Reflections on Indian Polity, Secularism & Sustainable Environment	4	35	80	19	20	54	100	D	6	24	16.72	28.29	Pass
	<b>Common Course II</b>													
MA03AB901	Malayalam - Arangum Porulum	4	45	80	18	20	63	100	C	7	28	16.24	41.55	Pass
	<b>Core Course</b>													
MT03CR001	Calculus	4	43	80	16	20	59	100	D	6	24	17.15	36.62	Pass
	<b>Complementary Course</b>													
PH03CAA01	Physics - Quantum Mechanics, Spectroscopy, Nuclear Physics, Basic Electronics And Digital Electronics	3	32	60	7	10	39	70	D	6	18	7.06	25.90	Pass
ST03CAA02	Statistics - Probability Distributions	4	41	80	16	20	57	100	D	6	24	16.46	38.78	Pass
<b>SEMESTER IV</b>														
	<b>Common Course I</b>													
EN04AA901	English - Evolution of the Philosophy of Science : Literary Perspectives	4	44	80	20	20	64	100	C	7	28	16.63	32.93	Pass
	<b>Common Course II</b>													
MA04AB901	Malayalam-Gadhyam, Rachanaparichayam	4	44	80	17	20	61	100	C	7	28	16.48	46.01	Pass
	<b>Core Course</b>													
MT04BAA01	Vector Calculus, Theory of Equations and Numerical Methods	4	40	80	17	20	57	100	D	6	24	17.37	41.33	Pass
	<b>Complementary Course</b>													
PH03CAA02	Physics - Physical Optics, Laser Physics And Astrophysics	3	22	60	6	10	28	70	E	5	15	6.54	28.00	Pass
PH34CA901	Physics - Quantum Mechanics, Spectroscopy, Nuclear Physics And Electronics (P)	2	34	40	19	20	53	60	A	9	18	18.35	32.71	Pass
ST04CAA01	Statistics - Statistical Inference	4	45	80	14	20	59	100	D	6	24	14.43	38.62	Pass
<b>SEMESTER V</b>														
	<b>Core Course</b>													
MT05BAA01	Mathematical Analysis	4	37	80	18	20	55	100	D	6	24	17.67	49.90	Pass

MT05BAA02	Differential Equations	4	28	80	17	20	45	100	E	5	20	17.42	48.84	Pass
MT05BAA03	Abstract Algebra	4	36	80	18	20	54	100	D	6	24	18.24	49.46	Pass
MT05BAA06	Fuzzy Mathematics	4	40	80	18	20	58	100	D	6	24	18.05	56.27	Pass
	<b>Open Course</b>													
CM05DAP01	Fundamentals of Accounting	3	75	80	18	20	93	100	A+	10	30	16.22	49.03	Pass
<b>SEMESTER VI</b>														
	<b>Core Course</b>													
MT06BAA01	Real Analysis	4	24	80	16	20	40	100	E	5	20	17.15	38.88	Pass
MT06BAA02	Complex Analysis	4	44	80	17	20	61	100	C	7	28	17.08	46.04	Pass
MT06BAA03	Discrete Mathematics	4	62	80	18	20	80	100	A	9	36	17.45	49.62	Pass
MT06BAH03	Linear Algebra and Metric Spaces	4	52	80	19	20	71	100	B	8	32	17.38	43.71	Pass
	<b>Project I</b>													
MT06BBA02	Project	1	67	80	20	20	87	100	A	9	9	19.90	73.81	Pass
	<b>Choice Based Core Course I</b>													
MT06BBA05	Topology	4	30	80	18	20	48	100	E	5	20	18.00	53.85	Pass

#### SEMESTER RESULTS

Semester	Marks Awarded	Maximum Marks	Credits	SCPA	Grade	Month & Year of Passing	Result
SEMESTER I	313	570	19	6.11	C	Nov 2016	Pass
SEMESTER II	392	630	21	6.86	C	May 2018	Pass
SEMESTER III	272	470	19	6.21	C	Oct 2018	Pass
SEMESTER IV	322	530	21	6.52	C	Mar 2018	Pass
SEMESTER V	305	500	19	6.42	C	Oct 2018	Pass
SEMESTER VI	387	600	21	6.90	C	Mar 2019	Pass
TOTAL	1991	3300	120				

#### PROGRAMME PART RESULTS

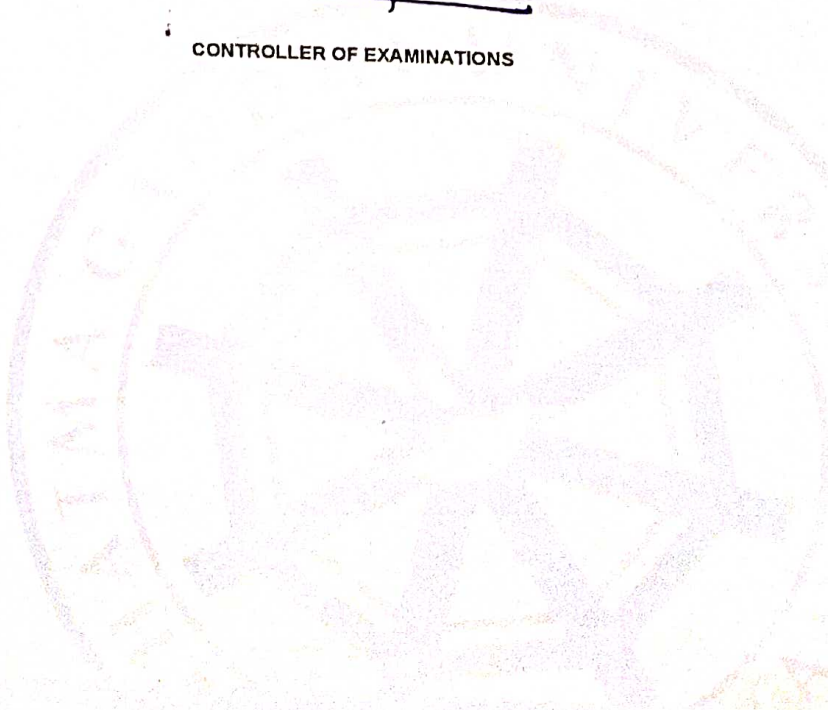
Programme Part	Marks Awarded	Maximum Marks	Credit Points	Credits	CCPA	Grade
Common Course I : English	320	600	129	22	5.86	D
Common Course II : Malayalam	255	400	116	16	7.25	B
Core Course : Mathematics	841	1400	324	51	6.35	C
Complementary Course : Physics	243	400	93	14	6.64	C
Complementary Course : Statistics	239	400	90	14	6.43	C
Open Course : Fundamentals of Accounting	93	100	30	3	10.00	A+
TOTAL	1991	3300	782	120	6.52	C

#### FINAL RESULT

CUMULATIVE CREDIT POINT AVERAGE (CCPA) = 6.52 ; GRADE = C (C Only)



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DESCRIPTION OF EVALUATION PROCESSES

4

**Grade and Grade Point**

The evaluation of each course comprises of Internal and External components in the ratio 1:4 for all courses. Grades and Grade points are given on 7-point scale based on the percentage of total marks (Internal + External) as given in Table I. Decimals are to be corrected to the next higher whole number.

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**Table I**

% of marks	Grade	Grade Point
90 and Above	A+- Outstanding	10
80-89	A- Excellent	9
70-79	B- Very Good	8
60-69	C- Good	7
50-59	D- Satisfactory	6
40-49	E- Adequate	5
Below 40	F- Failure	4

**Table II**

CCPA	Grade
Above 9	A+- Outstanding
Above 8 but <= 9	A- Excellent
Above 7 but <= 8	B- Very Good
Above 6 but <= 7	C- Good
Above 5 but <= 6	D- Satisfactory
Above 4 but <= 5	E- Adequate
<= 4	F- Failure

**Credit Point and Credit Point Average**

The evaluation of each course is given in the form of marks. The credit point (CP) of a course is calculated using the formula CP = C x GP where C = Credit GP = Grade Point.

Credit Point Average for a Semester (SCPA) or Cumulative Credit Point Average for a programme is calculated using the formula SCPA or CCPA = TCP/TC, where TCP = Total Credit Point, TC = Total Credit

SG = Semester Grade

Note : A separate minimum of 30% marks each for a course. For pass in a programme, a separate minimum secures Grade F for any one of the courses offered improves this to Grade E or above within the permit

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Country **REPUBLIC OF INDIA**

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MARK SHEET  
has been signed by **CONTROLLER OF EXAMINATIONS**  
acting in the capacity of **CONTROLLER OF EXAMINATIONS**  
bears the seal/stamp of **SDM RAJOURI GARDEN NEW DELHI**

**Certified**  
of **NEW DELHI, INDIA** the **01-Apr-2024**  
by **SO (OI/Attestation) MINISTRY OF EXTERNAL AFFAIRS**  
No **RJJP0001133724**

Seal / Stamp **RESHMA VENUGOPAL** Signature

**01 2031395**

(रजकुमार सिंह)  
**(RAJKUMAR SINGH)**  
Section Officer (Attestation / O.I.)  
विदेश मंत्रालय, नई दिल्ली  
Ministry of External Affairs, New Delhi

40% are required for a pass in a programme. If a candidate secures Grade F for any one of the courses offered in a programme until the candidate