

क्रमांक
Serial No. 16144 / 2020



नामांकन क्रमांक
Enrollment No. : PU15-28235

**पैसिफिक उच्चतर शिक्षा ओर अनुसंधान अकादमी विश्वविद्यालय,
उदायपुर**

यह प्रमाणित किया जाता है कि

गोविंद सहाय शर्मा

द्वारा विश्वविद्यालय के सम्बन्धित विनियमनों में विहित अपेक्षाओं को सफलतापूर्वक पूर्ण
कर लेने पर विश्वविद्यालय के प्रबन्ध मण्डल की अनुशंसा पर इन्हें

विज्ञान संकाय

के गणितीय विज्ञान विभाग में

विद्या-वाचस्पति

की उपाधि वर्ष 2019 में प्रदान की गयी है।

इनके शोध का विषय 'उद्योगों की उत्पादकता वृद्धि के लिए ऑपरेशन
अनुसंधान तकनीकों का अध्ययन' रहा है।

**Pacific Academy of Higher Education and Research
University, Udaipur**

This is to certify that on the recommendation of
the Board of Management of the University

GOVIND SHAY SHARMA

has been conferred the degree of

Doctor of Philosophy

in the Department of Mathematical Sciences
in the year 2019 in the

Faculty of Science

on successful fulfilment of the requirements prescribed
under the relevant regulations of the University.

The topic of research was 'Study of Operation Research Techniques for
Enhancement of Productivity in Industries'.



निर्गमन दिनांक:
04 फरवरी, 2020

Date of Issue:
04 February, 2020

प्रेसिडेन्ट
President

PACIFIC ACADEMY OF HIGHER EDUCATION &
RESEARCH UNIVERSITY, UDAIPUR (Raj.)

(A statutory University established by the Govt. of Rajasthan, Act No. 10 of 2010)
"Pacific Hills", Pratap Nagar Extension, Airport Road, Udaipur (Raj.) - 313024



PROVISIONAL CERTIFICATE

PAHERU/R/DPG/2019-20/002

Enrollment No: PU15-28235

This is to certify that the thesis entitled "Study Of Operations Research Techniques For Enhancement Of Productivity In Industries" Submitted by Mr. Govind Shay Sharma and Viva-Voce held on October 12, 2019 for the award of degree of Doctor of Philosophy in the Faculty of Science (Mathematical Sciences) has been approved by the President.

Date of Issue: 12/10/19


Registrar
REGISTRAR
Pacific Academy of Higher Education
& Research University
Udaipur (Rajasthan)

Note:

* The degree of Ph.D. shall be conferred after the formal approval of Board of Management.

* The Ph.D. Programme of the University is in accordance with U.G.C. (Minimum Standards and Procedure for the award of M.Phil/Ph.D. Degree) Regulations 2009.



UNIVERSITY OF RAJASOHAN

S. No

M. A/M. Sc. (Ptev) MATHEMATICS (4516)
EXAM. -2004

Copy of Marks Obtained at the
Roll No. 3779

Name: GOVIND SHAY SHARMA
 Father's Name: BHAGWAN SAHAY SHARMA
 Mother's Name: SHANTI DEVI
 College / Deptt / Centre: UNIVERSITY DEPTT. OF MATHEMATICS, JAIPUR

03/267

Catg. REGULAR
 Ordinance
 Medium: ENGLISH

Sub. Ctg. Y

UNIVERSITY DEPTT. OF MATHEMATICS, JAIPUR

No.	PAPER(S) OFFERED Narration	Max. Marks	Min. Marks	Marks Obt'd		Re marks
				Prev.	Final	
I	5601-ADVANCED ABSTRACT ALGEBRA	100	25	65		
II	5602-REAL ANALYSIS & TOPOLOGY	100	25	77		
III	5603-DIFFERENTIAL EQUATIONS	100	25	60		
IV	5604-DIFFERENTIAL GEOMETRY	100	25	47		
V	5605-MECHANICS	100	25	63		
EXAMINATION						RESULT
Previous		312	-	312/500	P	
Final						

(Signature)

R - Eligible to reappear X - Failed (For notes, please see on reverse)

JAIPUR 29/05/04

Controller of Examinations

(Signature)



S. No.: 0241120
MAHARSHI DAYANAND SARASWATI UNIVERSITY, AJMER

Copy of marks obtained ~~same~~ B. SC. P. I EXAM. - 2001
 Roll No: 231297 Name: GOVIND SHAY SHA RMA
 Father's Name BHAGWAN SAHAY SHARMA Enrol. No.: 2000/26958 Catg.: REGULAR

Mother's Name : SHANTI DEVI Code : SUBJECT(S) OFFERED	Max. Marks	Min. Pass Marks	Marks Obtained			Subject Total	Remarks
			I	II	III		
101:HINDI & ENG. LANGUAGE TH	100	36	30	22	52	52	F
104:ELE.COMPUTER APPL. TH PR	40 60	14 22	21 46		21 46	67	P
131:PHYSICS TH PR	150 75	54 27	35 68	23	94 68	162	
132:CHEMISTRY TH PR	150 75	54 27	30 63	34	97 63	160	
137:MATHEMATICS TH	225	81	51	60	144	144	
Total marks obtained excluding compulsory and back log subject(s) / Paper(s) Marks						466	

TOTAL MARKS OBTAINED			GRAND TOTAL	RESULT : CLASS / DIVISION
Part-I	Part-II	Part-III	466	PASS
466	***	***		

Passed by grace . . . S-Eligible for Supplementary Examination.

F-Failed A-Absent

C. Chandel

Govind

0312746

S. No. :

MAHARSHI DAYANAND SARASWATI UNIVERSITY, AJMER

Copy of marks obtained B.Sc. PL.II EXAM.-2002

Roll No. : 263115

Name :

GOVIND SHAY SHARMA

Father's Name BHAGWAN SAHAY SHARMA

Enrol. No. 2000/26958

Catg. :

Mother's Name SHANTI DEVI

REGULAR

Code : SUBJECT(S) OFFERED	Marks Obtained				Subject Total	Remarks				
	TH	PR	TH	PR						
231:PHYSICS	TH	150	54	41	24	33	98	162		
	PR	75	27	64			64			
232:CHEMISTRY	TH	150	54	31	27	37	95	158		
	PR	75	27	63			63			
237:MATHEMATICS	TH	225	81	61	42	60	163	163		
								483		
TOTAL MARKS OBTAINED							GRAND TOTAL		RESULT : CLASS / DIVISION	
Part-I			Part-II			Part-III			PASS	
483			483			483				

Sharma

College: HANUMANGARH, Sat. : July 27, 2002
 College: HANUMANGARH, Sat. : July 27, 2002
 A-Absent
 S.S. Sharma
 Controller of Examinations



03/S.No. 0020321

MAHARSHI DAYANAND SARASWATI UNIVERSITY, AJMER

Copy of marks obtained at the:

SJP: B.Sc. Pt. III EXAM. - 2003

Roll No.:

Name:

GOVIND SHAY SHARMA

Father's Name:

BHAJWAN SAKAY SHARMA

Enrol. No.: 2000/25958

Mother's Name:

SHANTI DEVI

Catg.: REGULAR

Code : SUBJECT(S) OFFERED	Max. Marks	Min. Pass Marks	Marks obtained				Rem-arks
			I	II	III	Total	
331: PHYSICS	TH 150 PR 75	54 27	36 63	22	28	86 63	149
332: CHEMISTRY	TH 150 PR 75	54 27	33 67	28	26	87 67	154
337: MATHEMATICS	TH 225	81	46	58	60	164	164
Total marks obtained excluding compulsory and back log subject(s) / Paper(s) Marks							457
TOTAL MARKS OBTAINED			GRAND TOTAL				RESULT : CLASS / DIVISION
Part - I	Part - II	Part - III	TOTAL				FIRST
466	483	467	1416/2025				

College: 87: N.M. College, Hanumangarh.

AJMER, Result declared on Sat. : July 05, 2003

Controller of Examinations

G-Passed by Grace S-Eligible for Supplementary F-Failed A-Absent
(for notes, please see on reverse)

0112246

माध्यमिक शिक्षा बोर्ड, राजस्थान
 Board of Secondary Education, Rajasthan



प्रमाण-पत्र अंकतालिका सहित
Certificate With Mark-Sheet

उच्च माध्यमिक परीक्षा 2000
Senior Secondary Examination 2000

नामांक Roll No	जिला District	केंद्र Centre	विद्यालय अग्र.अधि. School/F.O.	नियमित/व्यवसायी Regular/Private	श्रेणी Category	ग्रुप का नाम Group Name	संदर्भ संख्या Ref. No.
015853	31	0855	527	REGULAR	1	SCIENCE	415655

प्रमाणित किया जाता है कि
This is to certify that

GOVIND SHAY

S/O BHAGWAN SAHAY

ने माह मार्च-अप्रैल, 2000 में आयोजित उच्च माध्यमिक परीक्षा
has appeared at the Senior Secondary Examination held in March-April, 2000 from

GOVT SR SEC SCH, HANUMANGARH JN

से प्रविष्ट होकर निर्धारित विषयों में दर्शाये गये अंकों सहित उत्तीर्ण की :
and was declared Pass with subject-wise marks mentioned below :

अनिवार्य/वैकल्पिक विषय Comp /Optional Subject	पूर्णांक (Max. Marks)			न्यूनतम (Min. Pass Marks)		प्राप्तंक (Marks Obtained)					
	सैदा. (Th)	सत्रिक. (Sess)	प्रयोग. (Pr)	सैदा. + सत्रिक. (Th. + Sess)	प्रयोग. (Pr)	सैदा. (Th)	सत्रिक. (Sess.)	योग (Total)	प्रयोग. (Pr.)	योग (Total)	
HINDI (COMP)	90	10		33		59	09	68		68	
ENGLISH (COMP)	90	10		33		51	09	60		60	
PHYSICS	90	10	50	33	17	11	30	10	51	36	87
CHEMISTRY	90	10	50	33	17	35	30	10	75	46	121D
MATHS.	135	15		50		43	29	14	86		86
कुल पूर्णांक Total Max. Marks	650			कुल प्राप्तंक Total Marks obtained	422	64.92 %	परिणाम Result	FIRST DIV.			
अतिरिक्त विषय Additional Subject											

अज्ञात

Cross

136
10
1461

पत्रांक 085763

सांख्यिक शिक्षा बोर्ड, राजस्थान

सांख्यिक परीक्षा, 1998

अंक तालिका

पत्रांक	नाम	पिता	स्कूल/ओ. अदि.	जन्म दिनांक	वर्ग/श्रेणी/विधि	श्रेणी	सदस्य संख्या
500266	0791	31	0501	14/11/84	REGULAR	I	140445

परीक्षार्थी का नाम GOVIND SHAY

पिता का नाम BHAGWAN SAHAY

विषय एवं कुल/चुनतम संकेतिक	हिन्दी 100/33			अंग्रेजी 100/33			वैज्ञानिक 100/33		
	I	II	योग	I	II	योग	I	II	योग
प्राप्तांक	28	27	09 64	39	21	09 69	35	25	09 69
विषय एवं कुल/चुनतम संकेतिक	सांख्यिक विज्ञान 100/33			गणित 100/33			पृथीक भाषा 30/17		
प्राप्तांक	I	II	योग	I	II	योग	I	II	योग
	32	29	09 70	42	36	10 88D	23	05	28
कुल प्राप्तांक	550	कुल प्राप्तांक	388	परिणाम	FIRST DIVISION				

विषय	संख्या	प्राप्ति	योग
SUPW & CS	18	54	---
H & P EDU.	16	51	---
ART EDU.	25	56	---
कुल प्राप्तांक	59	161	---

(Signature)
निदेशक (परीक्षा)