



SHRI KHUSHAL DAS  
UNIVERSITY

# SHRI KHUSHAL DAS UNIVERSITY

(Established by Govt. of Rajasthan and Recognised by the UGC)

## Provisional Degree

### Doctor Of Philosophy

Registration No. Ph.D/07/2019/CHM/009

Enrolment No. SKDU201900458

Certified that the thesis entitled "FABRIATION OF PHOTO GALVANIC CELL USING  
NATURAL AND SYNTHETIC PHOTOSENSITIZER DYES FOR SOLAR POWER  
GENERATION AND STORAGE" submitted by Mr./Ms.

SAHIL KUMAR Viva Voice held on 13/09/2023 in the

subject of CHEMISTRY for the award of Doctor of

Philosophy (Ph.D) has been approved by the Competent Authority on 11/03/2024.

This certificate is issued in accordance with the UGC (Minimum Standards and Procedure for  
award of Ph.D Degree) Regulations 2016 & 2018.

The Degree will be awarded to him/her in the Convocation.

Registrar

SHRI KHUSHAL DAS UNIVERSITY  
PILIBANGAN-335801  
Distt.-Hanumangarh (Raj.)

Hanumangarh

Date : 11/03/2024.

Controller of Examinations  
Controller of Examinations (C.O.E.)  
Shri Khushal Das University  
Hanumangarh (Raj.)

Serial No: 210292



# SHRI KHUSHAL DAS UNIVERSITY

Pilibanga, Hanumangarh (Rajasthan)  
(Established by the Government of Rajasthan and Recognized by U.G.C.)

## STATEMENT OF MARKS

Ph.D. Course Work Examination- 2019  
(CHEMISTRY)



Student's Name : SAHIL KUMAR  
Father's Name : RAJENDRA KUMAR  
Mother's Name : ASHA DEVI


Enrollment No. : SKDU201900458  
Roll No. : 279223  
Year of Admission : 2019

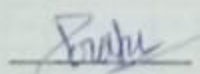
Subject Code	Subject	Max. Marks	Mini. Marks	Obtained Marks	Remark
RC-101	RESEARCH METHODOLOGY	100	55	68	
RC-102	REVIEW OF RELATED LITERATURE	100	55	62	
RC-103	QUANTITATIVE / QUALITATIVE METHODS & USE OF COMPUTER IN RESEARCH	100	55	58	
<b>Total</b>		300	165	188	

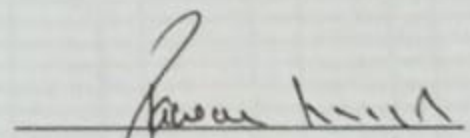
Obtained Marks In Word :- One Hundred Eighty Eight

Result : PASS

Date of Result Declared: 30/10/2020

  
Prepared By

  
Checked By

  
Controller of Examinations

www.skduiversity.com





# MAHARAJA GANGA SINGH UNIVERSITY, BIKANER

Copy of Marks Obtained at the:

S.No. 518069

Roll No. : M.Sc. (FINAL) CHEMISTRY Exam.- 2011 (REVALUATION)

706728

Ordinance :

Category : REGULAR

Enrol No. : 2006/9820

Name : SAHIL KUMAR

Father's Name : RAJENDRA KUMAR

Mother's Name : ASHA DEVI

College : MAHARISHI DAYANAND (PG) COLLEGE, SRIGANGANAGAR



2006/9820

S.S.I.

PAPER NO.	PAPER (S) OFFERED	MAX MARKS	MIN PASS MARKS	MARKS OBTD.		REMARK
				PREV.	FINAL	
VII	4624: SPEC., PHOTO. & SOLID STATE CHEM	100	25		48	
VIII	4625: RECENT TRENDS IN LIFE SCIENCE	100	25		36	
IX	4650: ENVIRONMENTAL CHEMISTRY	50	13		32	
XI-A	4653: ORGANIC SYNTHESIS	100	25		41	
XI-B	4654: HETEROCYCLICS & NATURAL PROD.	100	25		37	
XIV-PR	4659: PRACTICAL	200	72		168	

EXAMINATION	Marks in papers appeared	Marks in paper (s) already cleared	Aggregate Marks	Pass/ Fail	Marks to be taken into account for award of division		If passed, combined marks of Previous & Final	Passed in Division
					Previous	Final		
PREVIOUS	-	445	445 /650	P				
FINAL	362	-	362 /650	P	445	362	807 /1300	FIRST

Eight Hundred Seven

G - Passed by Grace • X - Failed • R - Eligible to reappear

Bikaner,  
Result declared on

24/06/11 REVAL ON - 24/11/11

(For notes, please see on reverse)

*S.S.I.*  
Controller of Examinations



# MAHARAJA GANGA SINGH UNIVERSITY, BIKANER

Copy of Marks Obtained at the:

B.Ed. EXAMINATION-2012

S. No. 372877

Roll No. : 812560

Category : REGULAR

Name : SAHIL KUMAR

Father's Name : RAJENDRA KUMAR

Mother's Name : ASHA DEVI

College : SWAMI VIVEKANAND T.T. COLLEGE,, HANUMANGARH

Enrol No. : 06/9820

## PAPER (S) OFFERED

- 101: ED.IN THE EMERG.IND.SOC.
- 102: PSY.SO.BA.OF LEARN.& TEACHING
- 103: ED.SYS.IN INDIA & SCH.&ORGN
- 104: EDU.TECH. & CLASS ROOM MGMT
- 114: BIOLOGY
- 115: CHEMISTRY
- 165: ENVIRONMENTAL EDUCATION
- 160: INTERNSHIP IN TEACHING
- 164: COMPUTER EDUCATION

Max. Marks	Min. Pass Marks	Marks obtained		Total	Remarks
		External	Internal		
100	36	49	15	64	
100	36	44	18	62	
100	36	45	16	61	
100	36	44	15	59	
100	36	47	20	67	
100	36	40	17	57	
100	36	57	18	75	
300	120	136	144	280	
50	18	25			P
PR 50	18	23	17	65	P

Marks in Theory	Passed in Div. or Failed	Marks in Practice	Passed in Div. or Failed	Aggregate Marks	Result / Division
					Theory / Practice / Special
445	FIRST	280	FIRST	725 / 1000	FIRST/FIRST/PASS

Seven Hundred Twenty Five

G - Passed by Grace      X - Failed      A - Absent

Bikaner,  
Result declared on 09/11/2012

(For notes, please see on reverse)

*dhij 21-12*  
Controller of Examinations



# MAHARAJA GANGA SINGH UNIVERSITY, BIKANER

Copy of Marks Obtained at the:

B.Sc. PART-III EXAMINATION- 2009

101349

Roll No. : 27950

Enrol No.: 06/9820

Category : REGULAR

Medium: HINDI

Name : SAHIL KUMAR



Father's Name : RAJENDRA KUMAR

Mother's Name : ASHA DEVI

College : N. M. (P.G.) College, Hanumangarh

CODE : SUBJECT (S) OFFERED	MAX MARKS	MIN PASS MARKS	MARKS OBTAINED				SUBJECT TOTAL	RE-MARK
			I	II	III	Total		
OPTIONAL								
332:CHEMISTRY	150	54	31	18	35	84		
333:BOTANY	75	27	67			67	151	
	150	54	27	33	24	84		
334:ZOOLOGY	75	27	72			72	156	
	150	54	35	32	33	100		
	75	27	70			70	170	

101349

Total Marks obtained excluding compulsory and backlog subject(s)/ paper(s) marks

477

PARTWISE TOTAL MARKS OBTAINED

PART - I	PART - II	PART - III	GRAND TOTAL	RESULT : CLASS / DIVISION
396	428	477	1301/2025	FIRST

G - Passed by Grace • F - Failed • S - Eligible for Supplementary

Bikaner, Result declared on 29/06/09

(For Notes, Please see on reverse)

Controller of Examinations



माध्यमिक शिक्षा बोर्ड, राजस्थान  
Board of Secondary Education, Rajasthan  
सर्व माध्यमिक परीक्षा, 2006  
Senior Secondary Examination, 2006  
अंक-तालिका / Mark Sheet

क्रमांक 0116876  
Serial No.  
पंजीयन संख्या 6/120317  
Enrol. No.

नामांक	केन्द्र	जिला	विद्यालय/अग्र. अधि.	स्वयंपाठी/नियमित	परीक्षा श्रेणी	संदर्भ संख्या
1184594	31002	31	31176	REGULAR	1	082511

परीक्षार्थी का नाम SAHIL KUNAR  
पिता का नाम RAJENDRA KUNAR  
माता का नाम ASHA DEVI

अनिवार्य/ऐच्छिक विषय	पूर्णांक		न्यूनतम उत्तीर्णांक		प्राप्तांक					
	संज्ञा	सत्रांक प्रायो.	संज्ञा + सत्रांक प्रायो.		संज्ञात्मक	सत्रांक	योग	प्रायो.	योग	
HINDI	90	10	33		70	09	79		079	
ENGLISH	90	10	33		58	09	67		067	
PHYSICS	90	10	33	17	16	17	08	41	48	089
CHEMISTRY	90	10	33	17	27	26	09	62	45	107
BIOLOGY	90	10	33	17	28	23	09	60	38	098

कुल पूर्णांक 650 कुल प्राप्तांक 440 67.69 परिणाम FIRST DIVISION

अतिरिक्त विषय  
COMP. SC. (AC) 100 87 87 087

अजमेर  
Ajmer

दिनांक  
Date

04-05-2006

(विशेष विवरण हेतु - कृ. पृ. उ.)

*(Handwritten Signature)*

(आर. बी. गुप्ता)  
निदेशक (परीक्षा)



माध्यमिक शिक्षा बोर्ड, राजस्थान  
Board of Secondary Education, Rajasthan  
माध्यमिक परीक्षा, 2004  
Secondary School Examination - 2004  
अंक-तालिका / Marksheet

क्रमांक 0553841  
Serial No.  
पंजीयन संख्या  
Enrol. No. 4/577129

नामांक	केन्द्र	जिला	स्कूल/अग्रे. अधि.	जन्म दिनांक	स्वयंपाटी/नियमित	परीक्षा श्रेणी	संदर्भ संख्या
4932153	31002	31	31176	31/01/89	REGULAR	1	548664

परीक्षार्थी का नाम

SAHIL KUMAR

पिता का नाम

RAJENDRA KUMAR

माता का नाम

ASHA DEVI

विषय एवं पूर्णांक/न्यूनतम उत्तीर्णांक	हिन्दी 100/33			अंग्रेजी 100/33			विज्ञान 100/33				
	I	सत्रांक	योग	I	सत्रांक	योग	I	II	सत्रांक	योग	
प्राप्तांक	65	10	75D	60	09	69	38	32	10	80D	
विषय एवं पूर्णांक/न्यूनतम उत्तीर्णांक	सामाजिक विज्ञान 100/33				गणित 100/33				तृतीय भाषा 100/33		
	I	II	सत्रांक	योग	I	II	सत्रांक	योग	I	सत्रांक	योग
प्राप्तांक	31	36	10	77D	42	41	10	93D	SANSKRIT 64 10 74		
कुल पूर्णांक	600		कुल प्राप्तांक	468	78.00%		परिणाम FIRST DIVISION				

विषय एवं पूर्णांक/श्रेणि	कम्प्यूटर साक्षरता 100	स्वास्थ्य एवं शारीरिक शिक्षा 100	समाजोपयोगी उत्पादक कार्य एवं समाज सेवा	कला शिक्षा
प्राप्तांक एवं ग्रेडिंग	085	087	A	A

अजमेर  
Ajmer

दिनांक

25TH JUNE, 2004

(विशेष विवरण हेतु - कृ. पृ. उ.)

*S. S. S. S.*

(बाबू लाल)

विशेषाधिकारी / निदेशक (परीक्षा)



भारत सरकार  
GOVERNMENT OF INDIA



साहिल

Sahil

जन्म तिथि/ DOB: 31/01/1989

पुरुष / MALE



3979 4988 8745

मेरा आधार, मेरी पहचान



**भारतीय विशिष्ट पहचान प्राधिकरण**  
**UNIQUE IDENTIFICATION AUTHORITY OF INDIA**

**पता:**

S/O: राजेंद्र कुमार,  
सरकारी.सेन.सेक. विद्यालय  
के पास, वॉर्ड न 6, १४ न्द्र  
कैंद, हनुमानगढ़,  
राजस्थान - 335524

**Address:**

S/O Rajendra Kumar,  
govt.sen.sec. school ke pass,  
ward no 6, 14 NDR-CAD,  
Hanumangarh,  
Rajasthan - 335524

**3979 4988 8745**



10-47



help@uidai.gov.in

**WWW**

www.uidai.gov.in

आयकर विभागा

INCOME TAX DEPARTMENT



भारत सरकार  
GOVT. OF INDIA



स्थायी लेखा संख्या कार्ड

Permanent Account Number Card

CZRPPS4158K

नाम / Name

SAHIL KUMAR

पिता का नाम / Father's Name

RAJENDRA KUMAR

जन्म की तारीख / Date of Birth

31/01/1989

Sahil

हस्ताक्षर / Signature



12052018