

जोधपुर राष्ट्रीय विश्वविद्यालय, जोधपुर
Jodhpur National University, Jodhpur



The Chairman and Members
of
The Board of Management confer on

PAWAN KUMAR

the degree of

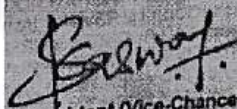
DOCTOR OF PHILOSOPHY

IN

**FACULTY OF APPLIED SCIENCES
(CHEMISTRY)**

in the year 2016.

Topic: "SYNTHESIS AND CHARACTERIZATION OF
NANOSTRUCTURED SINGLE SITE HETEROGENEOUS
CATALYST."


President (Vice-Chancellor)



Jodhpur


Registrar

Printed On: 07-DECEMBER-2017



Fax No. - 02931-281416

Faculty of Applied Sciences
जोधपुर राष्ट्रीय विश्वविद्यालय, जोधपुर
JODHPUR NATIONAL UNIVERSITY, JODHPUR

Ref. No. : AS / Ph. D./2013-14/2210 (61)

Date: 11/10/13

Office Order

This is to inform you that with reference to your application, recommendation of 'Department of research committee' and it's approval from 'University centre of Research and development' for registration as Research Scholar to supplicate for the degree of Ph.D., your name has been registered in Faculty of Applied Sciences of this University and details are -

Name of Scholar	Pawan Kumar Pal
Father's Name	Shri Shiv Ram Pal
Supervisor	Dr. Arun Kumar Suthar and Dr. Pramod Kothari
Date of DRC	4-10-2013
Registration No.	JNU13(S)AS1001
Topic	Synthesis and Characterization of Nanostructured Single-site Heterogeneous Catalysts


DEAN
Dean
Faculty of Applied Sciences,
Jodhpur National University, Jodhpur.
NARNADI, JODHPUR

Copy forwarded to:

1. Registrar, JNU, Jodhpur
2. Director, UCRD, JNU, Jodhpur
3. The Supervisor, Prof. Dr. R. K. Kumbhat
4. Shri/ Smt./ Kumari: Ninny Verma
5. Master file of candidate
6. Guard file

3.3.3

KUMAUN UNIVERSITY, NAINITAL

(Research Section)

From

Registrar,
Kumaun University,
Nainital-263001.

To,

Prof. S.P.Mishra, ⁱⁿ
Sr.Scientist Dept of Radiationology
Dr. Ram Manohar Lohia Institute of Medical Sciences
Gomti Nagar, Lucknow

No.Secret/Ph.D./Viva /Physics/2018

Dated: 20-01-2018

Sir,

This is to inform you that you have been appointed as one of the examiners to conduct the Viva-Voce test of Vinod Pandey the Ph.D. degree of the University on her thesis titled :

"MEASUREMENT OF RADIATION DOSE AT ABUTMENT REGION OF ELECTRON & PHOTON FIELD IN EXTERNAL BEAM RADIOTHERAPY OF HEAD & NECK CANCERS"

The Viva-Voce test will be conducted at Department of Physics, S.S.J. Campus, Almora under the chairmanship of Head, Department of Physics, S.S.J. Campus, Almora. Prof.S.P.Mishra,Sr.Scientist Dept of Radiationology Dr.R.M.L Institute of Medical Sciences, Lucknow will be External Examiner Prof.Lalan Prasad, Deptt. of Physics, M.B P.G. College, Haldwani as a member.

Therefore, you are requested to please fix a date (Excluding Sunday and holiday) in consultation with the Examiners and the date be intimated atleast, 15 days in advance; to enable me to intimate the candidate.

The remuneration for conducting the Viva-Voce test is Rs. 500/- but if an examiner who conducts the Viva-Voce test is also one of the examiners of the thesis, He shall be paid Rs. 1250/- for both.

If the copy of thesis has not been returned by you the same may kindly be delivered at the time of the Viva-Voce examination. Copy of the thesis will be made available at the time of Viva.
Copy to:

Dr. Lalan Prasad,
Deptt. of Physics,
M.B.P.G.College,Haldwani.

Yours faithfully


Registrar 22.1.18
Kumaun University, Nainital

- Note: 1 Examiners traveling by Train AC-II are requested to mention their ticket nos. of both way.
2 Journey by full Taxi will not be admissible.

नोट - डॉ. रमणी. वर्मा, रूसो-प्रो. भौतिक विज्ञान विनांक 25.09.17 से राजकीय स्नातकोत्तर महाविद्यालय, केरीनाग में कार्यरत हैं।



KUMAUN UNIVERSITY, NAINITAL

(Research Section)

From

Registrar,
Kumaun University,
Nainital-263001.

To,

Prof.K.D.Purohit
Dept. of Physics
H.N.B.Garhwal University
Srinagar, Garhwal.

No.Secret/Ph.D./Viva /Physics/2018

Dated: 12-02-2018

Sir,

This is to inform you that you have been appointed as one of the examiners to conduct the Viva-Voce test of Rajesh Mathpal the Ph.D. degree of the University on his thesis titled :

"Study of solar activities & their association with interpanatry medium"

The Viva-Voce test will be conducted at Department of Physics, S.S.J. Campus, Almora under the chairmanship of Head, Department of Physics, S.S.J. Campus, Almora. Prof.K.D.Purohit, Dept.of Physics, H.N.B.Garhwal University, Srinagar will be External Examiner Dr. Lalan Prasad Deptt. of Physics, M.B.Govt. P.G. College, Haldwani as an member.

Therefore, you are requested to please fix a date (Excluding Sunday and holiday) in consultation with the Examiners and the date be intimated atleast, 15 days in advance; to enable me to intimate the candidate.

The remuneration for conducting the Viva-Voce test is Rs. 750/- but if an examiner who conducts the Viva-Voce test is also one of the examiners of the thesis, He shall be paid Rs. 1250/- for both.

If the copy of thesis has not been returned by you the same may kindly be delivered at the time of the Viva-Voce examination. Copy of the thesis will be made available at the time of Viva.
Copy to:

- ✓ Dr. Lalan Prasad
Deptt. of Physics,
M.B.Govt. P.G. College, Haldwani.

Yours faithfully

- Note: 1 Examiners traveling by Train AC-II
are requested to mention their ticket nos.
of both way.
2 Journey by full Taxi will not be admissible.


Registrar
Kumaun University,
Nainital.

नोट- डॉ० सल० पी० वर्मा, एस० प्रो० भौतिक विज्ञान दिनांक 25.09.2017
से राजकीय स्नातकोत्तर महाविद्यालय बेरीनाग में कार्यरत हैं।



KUMAUN UNIVERSITY, NAINITAL
Ph.D. Viva-Voce Examination

No/Ph.D./Viva/43/Physics/2018

Dated: 02-05-2018

The Ph.D. Viva-Voce Examination Hema has been fixed on **21-05-2018** at **11:00 a.m.** in the **Department of Physics, S.S.J. Campus, Almora** The board of examination shall of:

1. Dr. Bhuwan Joshi, Udaipur Solar Observatory, A Unit of Physical Research Laboratory, (Deptt. of Space, Govt. of India) P.B. No. -198, Dewali, Badi Road, Udaipur. (**External Examiner**).
2. ✓ Dr. Lalan Prasad, Deptt. of Physics, M.B.P.G.College, Haldwani (**Internal Examiner and Supervisor**)
3. The Head, Department of Physics, S.S.J. Campus, Almora (**Chairman of Viva- Voce Exam.**)
Any person belonging to any of the following categories may be present at the Viva-Voce examination and may put questions to the candidate with due permission from the Chair.
Teaching staff and Research Scholars of the Deptt. concerned.
Member of the Board of Studies and Faculty of the subject concerned.
Member of the Academic Council.
Any other person specification invited by the Chairman of the Board of examiners.
The Viva-Voce examination shall first be conducted of the Board of Examiners. Thereafter, the Chairman shall invite members of the audience to put question to the candidate, if they so desire. Any member from the audience can then ask questions with the permission of the Chair.


Registrar
Kumaun University,
Nainital.

1. The Head, Department of Physics, S.S.J. Campus, Almora for information and necessary action. He is requested to make necessary arrangement for the examination.
2. The Dean, Faculty of Science, S.S.J. Campus, Almora.
3. P.S. to Vice Chancellor, Kumaun University, Nainital.
4. AAO., D.S.B. Campus, Nainital / S.S. J. Campus, Almora for arranging payment of T.A/D.A. to the examiner.

Registrar
Kumaun University,
Nainital.

नोट :- डॉ० सल० पी० वर्मा, एस० प्रो० भौतिक विज्ञान दिनांक 25.09.17
से राजकीय स्नातकोत्तर महाविद्यालय बेरीनाग में कार्यरत हैं।



**Synthesis and Characterization of
Nanomaterial with Rare earth ions**

A THESIS

Submitted
To
KUMAUN UNIVERSITY, NAINITAL

For the Degree of
DOCTOR OF PHILOSOPHY
IN
PHYSICS

Submitted
By
SUDHA PALI
(Enrollment No.-KU0975034)

Co-Supervised by
Dr. L. P. Verma
Head, Department of Physics
Research Centre-M.B. Govt. P.G.
College, Haldwani (Nainital)
(Uttarakhand)

Supervised by
Dr. Y. K. SHARMA
Head, Department of Physics
Research Centre-M.B. Govt. P.G.
Work Place - S.B.S. Govt. P.G.
College, Pindrapur (US Nagar)
(Uttarakhand)

2016