

NATIONAL GRADUATE PHYSICS EXAMINATION



INDIAN ASSOCIATION OF PHYSICS
TEACHERS

Centre Name- **BIDHAN CHANDRA COLLEGE,
ASANSOL**



DEPARTMENT OF PHYSICS

Centre Code- **G-7135**

NATIONAL GRADUATE PHYSICS EXAMINATION-2019



DEPARTMENT OF PHYSICS
Bidhan Chandra College, Asansol-4

Affiliated to The Kazi Nazrul University, Asansol
Ph-0341-2283020/58

Ref

Date 04/01/2019

To
The Principal
Bidhan Chandra College
Asansol-4

Sub: Seeking permission for Conducting NGPE-2019

Respected Sir,

I would like to inform you that, Department of Physics is going to conduct National Graduate Physics Examination (NGPE-2109) on 20.01.2019. For conducting the examination we need a room with uninterrupted electric supply on 20.01.2019 from 9.00am To 2.00PM.

In this regard we seek your permission. Hope you will do the needful for the same.

Thanking you,

Sincerely,

Goutam Mukherjee
Head of the Department
Physics

IMPORTANT : After filling the following sheet completely **TAKE TWO XEROX COPIES**, send this original sheet along with D.D. in favour of IAPT payable at Dehradun to Dr. B.P. Tyagi Co-ordinator NGPE, 23 Adarsh Vihar, Raipur Road, Dehradun-248001 (Uttarakhand) on or before 18-11-2018 and retain two xerox copies with you. Do not forget to write PIN Code on the mailing address.



INDIAN ASSOCIATION OF PHYSICS TEACHERS

[Enrolment Sheet : NATIONAL GRADUATE PHYSICS EXAMINATION - 2019]

Date 06/11/2018

Centre Number: **G** Phone: () (Off) (Res.)
S.T.D. (Mob.) 9883227295

Name of Centre: BIDHAN CHANDRA COLLEGE, ASANSOL

Name of Centre In-Charge: AJAY KUMAR SHARMA

Mailing Address of Centre In-Charge: B.C. College, Dept. of Physics, Asansol

Dist - West Bardhaman, W.B Pin: 713304

Number of Candidates enrolled 21 Email id ajayeescharma@yaho.co.in

Language in which Question Paper is required with number:

(1) Language: English No.: 21 (2) Language: No.:

Details of Draft /NEFT/RTGS/Cash Deposit sent (Payable at DEHRADUN) Bank

Date: D.D./NEFT/RTGS No. Amount (in Figures) Rs. 2520/-

(In words): Rupees TWO THOUSAND FIVE HUNDRED TWENTY



LIST OF CANDIDATES

S.No.	Roll No.	Name of Candidate	Father's Name	Gender	Class	Institution where He/She is studying	Language of Answer
1.	19001	HIMADRI GORAI	SUSANTA GORAI	M	3rd SEM	B.C. College, Asansol	English
2.	19002	SWARNENDU LAYEK	SIBANAM LAYEK	M	3rd SEM	B.C. College, Asansol	English
3.	19003	RAHUL MONDAL	SUBHASH CHANDRA MONDAL	M	3rd SEM	B.C. College, Asansol	English
4.	19004	MAHESWAR MAHATO	PARBESH CHANDR MAHATO	M	3rd SEM	B.C. College, Asansol	English
5.	19005	ANIRBAN MUKHERJEE	PRABHAS MUKHERJEE	M	5th SEM	B.C. College, Asansol	English
6.	19006	BIPRENDU CHATTERJEE	ALOKA BANERJEE	M	5th SEM	B.C. College, Asansol	English
7.	19007	SOURAV MANDAL	M.K. MANDAL	M	5th SEM	B.C. College, Asansol	English
8.	19008	ABHIJIT JHA	AJAY KUMAR JHA	M	5th SEM	B.C. College, Asansol	English
9.	19009	SUSHITA SHARMA	PRABHAT KUMAR SHARMA	F	5th SEM	B.C. College, Asansol	English
10.	19010	SAMAR DUTTA	SAJAL DUTTA	M	5th SEM	B.C. College, Asansol	English
11.	19011	RAM KRISHNA AKHULI	M.G. AKHULI	M	5th SEM	B.C. College, Asansol	English
12.	19012	RAJIB MAHATO	BIKASH MAHATO	M	5th SEM	B.C. College, Asansol	English
13.	19013	SOURAV KUMAR GUPTA	PRATAP KUMAR GUPTA	M	5th SEM	B.C. College, Asansol	English
14.	19014	SUBHRAMAN SARKAR	DEBASIS SARKAR	M	5th SEM	B.C. College, Asansol	English
15.	19015	PUJA KUMARI	SUDHIR RAJAK	F	5th SEM	B.C. College, Asansol	English
16.	19016	SUDIPTA BANERJEE	A. BANERJEE	M	1st SEM	B.C. College, Asansol	English
17.	19017	KUNAL KOLAY	S. KOLAY	M	2nd SEM	B.C. College, Asansol	English
18.	19018	TANUSHREE CHAKRABORTY	CHANDI DAS CHAKRABORTY	F	3rd SEM	B.C. College, Asansol	English
19.	19019	NAFIS AHMAD	ASRAR AHMAD	M	5th SEM	B.C. College, Asansol	English
	19020						



INDIAN ASSOCIATION OF PHYSICS TEACHERS
206, IInd Floor, Adarsh Complex, OPR 4, Awas Vikas 1
Keshavpuram, Kalyanpur, Kanpur - 208017
NATIONAL GRADUATE PHYSICS EXAMINATION - 2019

G-7135

BISHAN CHANDRA COLLEGE ASANSOL
(WB)

CENTRE INCHARGE :
Dr AJAY KUMAR
SHARMA

S.No	Centre	Roll N	Name of Candidates	Father	Gen	Class	Med	Marks	Rank	Remarks
1	G-7135	19001	HIMADRI GORAI	SG	M	BSc II	ENG	12		
2	G-7135	19002	SWARNENDU LAYEK	SL	M	BSc II	ENG	24		
3	G-7135	19003	RAHUL MONDAL	SCM	M	BSc II	ENG	30		
4	G-7135	19004	MAHESWAR MAHATO	PCM	M	BSc II	ENG	12		
5	G-7135	19005	ANIRBAN MUKHARJEE	PCM	M	BSc	ENG	A		
6	G-7135	19006	BIPRENDU CHATTERJEE	AB	M	BSc	ENG	30		
7	G-7135	19007	SOURAV MANDAL	MKM	M	BSc	ENG	18		
8	G-7135	19008	ABHIJIT JHA	AKJ	M	BSc	ENG	30		
9	G-7135	19009	SUSHMITA SHARMA	PKS	F	BSc	ENG	A		
10	G-7135	19010	SAMAR DUTTA	SD	M	BSc	ENG	42	TOP	
11	G-7135	19011	RAM KRISHNA AKHULI	NGA	M	BSc	ENG	30		
12	G-7135	19012	RAJIB MAHATO	BM	M	BSc	ENG	24		
13	G-7135	19013	SAURABH KUMAR GUPTA	PG	M	BSc	ENG	24		
14	G-7135	19014	SUBHRAMAN SARKAR	DS	M	BSc	ENG	54	TOP	AC
15	G-7135	19015	PUJA KUMARI RAJAK	SR	F	BSc	ENG	36		
16	G-7135	19016	SUPIPTA BANERJEE	AB	M	BSc I	ENG	12		
17	G-7135	19017	KUNAL KOLAY	SK	M	BSc II	ENG	6		
18	G-7135	19018	TANUSHREE CHAKRABORTY	CDC	F	BSc II	ENG	6		
19	G-7135	19019	NAFIS AHMED	AA	M	BSc	ENG	30		
20	G-7135	19501	SUBHADIP PAUL	RP	M	BSc	ENG	42	TOP	
21	G-7135	19502	ANAMIKA ROY	AR	F	BSc	ENG	30		

AC: Above cut off [for evaluation of Part B]

TOP: Top 10% at the Centre

Dated: 01.03.2019

DR BP TYAGI

Co-ordinator NGPE

23 Adarsh Vihar, Raipur Road Dehradun - 248001



Indian Association of Physics Teachers

Registered under section XXI of Societies Registration Act 1860; Registration No K-1448
206, IInd Floor Adarsh Complex OPR 4 Awas Vikas 1, Keshavpuram Kalyanpur Kanpur - 208017

National Graduate Physics Examination - 2019

(B Sc Level)

Date : 1st March 2019

Certificate is awarded to *Mr/Ms* **SUBHADIP PAUL** 19501 of
Centre **G-7135 BIDHAN CHANDRA COLLEGE ASANSOL (WB)**

for having been placed among **Centre Top 10%** in part A of this examination out of **21** candidates enrolled at this centre. The examination was conducted on January 20, 2019 at **279** centers spread all over India with a total enrolment of **11372** candidates.

Prof Vijay A Singh
President IAPT

Prof G Venkatesh
Chief Co-ordinator IAPT Exams

Dr B P Tyagi
Co-Ordinator NGPE*

* NGPE office: 23, Adarsh Vihar, Raipur Road, Dehradun - 248001 Ph : +91 135 2787020; +91 9837123716 Email Id : iaptddn@gmail.com



Indian Association of Physics Teachers

Registered under section XXI of Societies Registration Act 1860; Registration No K-1448
206, IInd Floor Adarsh Complex OPR 4 Awas Vikas 1, Keshavpuram Kalyanpur Kanpur - 208017

National Graduate Physics Examination - 2019

(B Sc Level)

Date : 1st March 2019

Certificate is awarded to *Mr/Ms* **SAMAR DUTTA** 19010 of
Centre **G-7135 BIDHAN CHANDRA COLLEGE ASANSOL (WB)**

for having been placed among **Centre Top 10%** in part A of this examination out of **21** candidates enrolled at this centre. The examination was conducted on January 20, 2019 at **279** centers spread all over India with a total enrolment of **11372** candidates.

Prof Vijay A Singh
President IAPT

Prof G Venkatesh
Chief Co-ordinator IAPT Exams

Dr B P Tyagi
Co-Ordinator NGPE*

* NGPE office: 23, Adarsh Vihar, Raipur Road, Dehradun - 248001 Ph : +91 135 2787020; +91 9837123716 Email Id : iaptddn@gmail.com

NATIONAL GRADUATE PHYSICS EXAMINATION-2020

NATIONAL GRADUATE PHYSICS EXAMINATION (NGPE-2020)



Conducted by
INDIAN ASSOCIATION OF PHYSICS TEACHERS

Registered Office : 206, Adarsh Complex, OPR 4, Awasth Vikas-1, Keshavpuram, Kalyanpur, Kanpur - 208017
Web: www.iapt.org.in ; www.indapt.org.in (Regd. No. K 1448)

Day, Date & Time of Examination **SUNDAY, January 19, 2020**

TIME : 10.00 AM to 1.00 PM

Last Date for Enrolment : 17th November 2019

Eligibility for Appearing in NGPE-2020 : Students of BSc I, II and III (Pass, Hons. or Integrated) are eligible. (Any one who has already passed B.Sc. is NOT eligible)

Exam Information :

Registration Fee - ₹ 150 (Rupees One Hundred & Fifty Only)
US\$ 20 for overseas candidates

Language for NGPE - English, Hindi, Gujarati, Tamil, Telugu or any other language if 100 or more Students opt for it.

Format for NGPE :

Part A : 25 MCQs with any number of options (1,2,3 or all 4) may be correct. Credit is given only if all the correct options are marked (6 marks each; Total 150 marks)

Part B1 : 10 Short Answer (5 to 6 Lines) Questions (5 marks each; Total 50 marks)

Part B2 : Ten Problems (10 marks each; Total 100 marks)

Unique Features of this Examination :

- ★ Fully voluntary examination in a stress free environment.
- ★ Carry away the question paper both part A and part B.
- ★ It provides Individual's own assessment at all India level.
- ★ Same paper for all BSc I, II and III Year Students with separate national merit.
- ★ Solutions in printed form are provided to Centre In-Charge for each participant.
- ★ The only national level examination testing students in both theory & experiment.
- ★ Previous Year (2019) Question Paper & Solution for every centre registered for NGPE - 2020.

CERTIFICATES AND AWARDS IN NGPE - 2020

(Cash Award will be released only if the candidate continues higher studies in Physics)

NGPE-2020
Awards

TOP 10% at Each Centre : Centre Topper Certificate
TOP 1% at State Level : State Topper Merit Certificate
TOP 1% at National Level : National Topper Merit Certificate + Book Prize
TOP 5 Students in India : Merit Certificate + GOLD MEDAL + ₹ 20,000/- Cash Award

- ★ Top 25 will be eligible for appearing in NGPE Part-C Examination - 2020 (an examination in experimental skill) for final selection for GOLD MEDAL and one time Scholarship (Max. 5 in Number) worth ₹ 20,000/- for pursuing higher studies in Physics. TA is paid and free lodging arranged.
- ★ Top 25 will have eligibility for an interview for Admission in Post - B.Sc. Integrated Ph.D. Programme in Physical Sciences 2020 of S N BOSE NATIONAL CENTRE FOR BASIC SCIENCES, KOLKATA, (Only BSc III year students with more than 60% Marks)
For more details visit website - <http://bose.res.in/admission.htm> or write email to admission@bose.res.in
- ★ May get opportunity to attend one week EXPERIMENTAL PHYSICS WORKSHOP organized by IAPT AT KOLKATA (Regional Council - 15). TA is paid.
- ★ Top 5 to 10 students of B.Sc. First year (of University 3Yr System) shall be eligible to participate in prestigious NATIONAL INITIATIVE FOR UNDERGRADUATE SCIENCE (NIUS) program of Homi Bhabha Center for Science Education, TIFR, Mumbai. [This is A Govt. of India, DAE Program organized at Mumbai].
- ★ Top 20 students of B.Sc. I appearing in NGPE-2020 may get an opportunity for two weeks Academic Workshop on Basic Physics at IIT Guwahati (Preferably for those from University 3-yr B.Sc. System)
- ★ Some more programmes for toppers may be declared later.

Previous Ten Years Question Papers with solution may be obtained by sending a Demand Draft or CTS Cheque of ₹ 150/- in favour of "Indian Association of Physics Teachers" payable at DEHRADUN.
FACILITY FOR ONLINE PAYMENT IS AVAILABLE

FOR FURTHER INFORMATION : CONTACT

Dr Anil Kumar Singh

Co-ordinator NGPE
Department of Physics
Ewing Christian College, Allahabad-211003
Ph: 0532-2468029, 9415630904, 8296776770
Email: anksingh12@gmail.com

Prof B P Tyagi

Chief Co-ordinator (Examination)
23 Adarsh Vihar, Raipur Road,
Dehradun - 248001 (Uttarakhand)
Tel: +91 135 2787020, 9837123716,
9832221943, Email: iaptdm@gmail.com

Local Contact

Tel: _____

Fill this centre registration form using CAPITAL letters and SEND it to Prof. B.P. Tyagi.
Please do not forget to mention PIN CODE.

From: AJAY KUMAR SHARMA
Dept. of Physics,
B.C. College, Asansol
PIN - 713304 (Paschim
Burdwan) W.B.



Date: 14/11/2019

Centre number

G	7	1	3	5
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(if known)

To,
Prof. B.P. Tyagi
Chief Co-ordinator (Examination)
National Graduate Physics Examination
Indian Association of Physics Teachers
23, Adarsh Vihar, Raipur Road,
Dehradun - 248001 (Uttarakhand)

Email: ajay888sharma@yahoo
.co.in

Sir,

Our Institution BIDHAN CHANDRA COLLEGE, ASANSOL is a Registered centre / may please be Registered for National Graduate Physics Examination - 2020. Prof. AJAY KUMAR SHARMA is appointed as Prof. In-charge of this Voluntary Academic Activity for the year 2019-2020. *This Institution will provide the necessary facilities for the conduct of examination free of charge.*

You are hereafter requested to communicate to the Prof. In-charge in connection with this examination.



Principal
Bidhan Chandra College
Govt. Sponsored
P.O. Asansol, Dist- Burdwan

Yours faithfully,

Falguni Mukhopadhyay
PRINCIPAL

(NAME FALGUNI MUKHOPADHYAY)

Phone (Off.) (Code 0341) 2283020

Prof. in-charge : Dr. AJAY KUMAR SHARMA
✓ Address (Off.) : Dept. of Physics, B.C. College, Asansol, Dist- Paschim
Burdwan, West Bengal Pin: 713304
Phone (Off.) : () 0341 - 2283020 / 9883227295
code
Address (Res.) : B.C. College, Asansol, Dist- Paschim Burdwan,
West Bengal Pin: 713304
Phone (Res.) : () 9883227295
code
Email id: ajay888sharma@yahoo.co.in

(Please ✓ address for all further correspondence)

IMPORTANT : After filling the following sheet completely **TAKE TWO XEROX COPIES**, send this original sheet along with D.D. / NEFT in favour of IAPT payable at Dehradun to Prof. B.P. Tyagi Chief Co-ordinator (Examination), 23 Adarsh Vihar, Raipur Road, Dehradun-248001 (Uttarakhand) on or before 18-11-2019 and retain two xerox copies with you. Do not forget to write PIN Code on the mailing address.



INDIAN ASSOCIATION OF PHYSICS TEACHERS

[Enrolment Sheet : NATIONAL GRADUATE PHYSICS EXAMINATION - 2020]

Date 14/11/2019

Centre Number: **G 7 1 3 5** Phone: (0341) (Off) 2283020 (Res.) _____
S.T.D. (Mob.) 988227295

Name of Centre: BIDHAN CHANDRA COLLEGE, ACANSOL

Name of Centre In-Charge: AJAY KUMAR SHARMA

Postal Address of Centre In-Charge: Dept. of Physics, B.C. College, Acansol,

Dist - Paschim Bardwan, West Bengal Pin: **7 1 3 3 0 4**

Number of Candidates enrolled _____ Email id ajay.888sharma@yahoo.co.in

Language in which Question Paper is required with number :

(1) Language: English No.: 32 (2) Language: _____ No.: _____

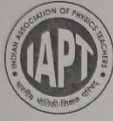
Details of Draft /NEFT/RTGS/Cash Deposit sent (Payable at DEHRADUN) Bank PUNJAB NATIONAL BANK (PHONE PAY)

Date: 16/11/2019 D.D./NEFT/RTGS No. 960090055 Amount (in Figures) Rs. 3840/-
P1911181238526- (78)

(In words) : Rupees Three Thousand Eight Hundred Forty.

LIST OF CANDIDATES

S.No.	Roll No.	Name of Candidate	Father's Name	Gender	Class	Institution where He/She is studying	Language of Answer
1.	20001	KUNAL KOLAY	Goutam Kolay	M	B.Sc III rd Sem	B.C. College, Acansol	English
2	20002	SOURAV DAWN	M.K. Dawn	„	„	„	„
3	20003	RAHUL MONDAL	S.C. Mondal	„	„	„	„
4	20004	BULTI ROY	Ajay Roy	F	„	„	„
5	20005	SAIKAT MAJI	S. Maji	M	„	„	„
6	20006	HIMADRI GORAI	S. horai	„	„	„	„
7	20007	RAJAT SUBHRA BISWAS	B.K. Biswas	„	B.Sc III rd Sem	„	„
8	20008	DEBMALYA ROSE	A.K. Bose	„	B.Sc III rd Sem	„	„
9	20009	PRANAB MAJI	P.K. Maji	„	„	„	„
10	20010	BISWARUP DAS	Ashok Das	„	„	„	„
11	20011	BANDANA BOURI	A. Bourri	F	B.Sc III rd Sem	„	„
12	20012	PUJA MONDAL	S. Mondal	„	„	„	„
13	20013	SAILLEN MONDAL	S. Mondal	M	„	„	„
14	20014	ALIYAH BAKHTYAR	M.A. Husain	F	„	„	„
15	20015	SNEHA SENGUPTA	S. Sengupta	„	„	„	„
16.	20016	ALOK SHARMA	A. sharma	M	B.Sc III rd Sem	„	„
17.	20017	SUDIPTA BANERJEE	S. Banerjee	M	B.Sc III rd Sem	„	„
18.	20018	NUSRAT SAJID	Nd Sajid	F	„	„	„
19.	20019	SATYA NARAYAN KUMAR	B. Kumar	M	B.Sc III rd Sem	„	„
20.	20020	KAHKASHAN ABEDIN	Nd. Zahid Abedin	F	„	„	„



INDIAN ASSOCIATION OF PHYSICS TEACHERS
206, Adarsh Complex, Awas Vikas 1, Keshavpuram, Kalyanpur, Kanpur - 208017
NATIONAL GRADUATE PHYSICS EXAMINATION - 2020

G-7135

BIDHAN CHANDRA COLLEGE ASANSOL Dt.
BURDWAN (WB)

CENTRE INCHARGE :
Dr. AJAY KUMAR
SHARMA

S.No	Centre	Roll N	Name of Candidates	Father	Gen	Class	Med	Marks	Rank	Remarks
1	G-7135	20001	KUNAL KOLAY	GK	M	BSc	ENG	30		
2	G-7135	20002	SOURAV DAWN	MKD	M	BSc	ENG	30		
3	G-7135	20003	RAHUL MONDAL	SCM	M	BSc	ENG	42		
4	G-7135	20004	BULTI ROY	AR	F	BSc	ENG	60		TOP AC
5	G-7135	20005	SAIKAT MAJI	SM	M	BSc	ENG	54		
6	G-7135	20006	HIMADRI GORAI	SG	M	BSc	ENG	36		
7	G-7135	20007	RAJAT SUBHRA BISWAS	BKB	M	BSc II	ENG	18		
8	G-7135	20008	DFBMALYA BOSE	AKB	M	BSc I	ENG	30		
9	G-7135	20009	PRANAB MAJI	PKM	M	BSc I	ENG	36		
10	G-7135	20010	BISWARUP DAS	AD	M	BSc I	ENG	A		
11	G-7135	20011	BANDANA BOURI	AB	F	BSc II	ENG	A		
12	G-7135	20012	PUJA MONDAL	SM	F	BSc II	ENG	12		
13	G-7135	20013	SAILEN MONDAL	SM	M	BSc II	ENG	A		
14	G-7135	20014	ALIYAH BAKHTYAR	MDA	F	BSc II	ENG	A		
15	G-7135	20015	SNEHA SENGUPTA	SS	F	BSc II	ENG	12		
16	G-7135	20016	ALOK SHARMA	AS	M	BSc II	ENG	36		
17	G-7135	20017	SUDIPTA BANERJEE	SB	M	BSc II	ENG	24		
18	G-7135	20018	NUSRAT SAJID	MDS	F	BSc II	ENG	A		
19	G-7135	20019	SATYA NARAYAN KUMAR	BK	M	BSc I	ENG	24		
20	G-7135	20020	KAHKASHAN ABEDIN	MDZ	F	BSc I	ENG	A		
21	G-7135	20021	INDRANI CHATTOPADHYAY	PC	F	BSc I	ENG	A		
22	G-7135	20022	KANCHAN MANDAL	NC	M	BSc II	ENG	18		
23	G-7135	20501	SHRYEYOSI CHATTERJEE	SC	F	BSc	ENG	42		
24	G-7135	20502	KRISHNA TEWARY	PBT	F	BSc	ENG	A		
25	G-7135	20503	FPSIT PAUL	SP	M	BSc	ENG	A		
26	G-7135	20504	KOUSIK KUMAR DUBEY	AKD	M	BSc	ENG	36		
27	G-7135	20505	MRIITYUNTOY BAURI	PB	M	BSc	ENG	A		
28	G-7135	20506	DIYA MONDAL	DM	F	BSc	ENG	A		
29	G-7135	20507	SAYONI MAJI	GM	F	BSc	ENG	66		TOP AC
30	G-7135	20508	SAIBAL MISRA	SM	M	BSc	ENG	60		TOP AC
31	G-7135	20601	MADHUMITA ROY	MKR	F	BSc	ENG	60		TOP AC
32	G-7135	20602	SUDIPTA KAURI	ANK	F	BSc	ENG	54		
33	G-7135	20701	SATABDI ROY	BR	F	BSc	ENG	A		

AC: Above cut off [for evaluation of Part B]

[Signature]

[Signature]



Indian Association of Physics Teachers

Registered under section XXI of Societies Registration Act 1860; Registration No K-1448
206, IInd Floor Adarsh Complex OPR 4 Awas Vikas 1, Keshavpuram Kalyanpur Kanpur - 208017

National Graduate Physics Examination - 2020

(B Sc Level)

Date : 1st March 2020

Certificate is awarded to *Mr/Ms* **SAIBAL MISRA** **20508** of
Centre **G-7135 BIDHAN CHANDRA COLLEGE ASANSOL Dt.
BURDWAN (WB)**

for having been placed among **Centre Top 10%** in part A of this examination out of **33** candidates enrolled at this centre. The examination was conducted on January 19, 2020 at **297** centers spread all over India with a total enrolment of **11638** candidates.

Prof Vijay A Singh
President IAPT

Dr B P Tyagi
Chief Coordinator (Examination)

Dr. Anil Kumar Singh
Coordinator NGPE

* NGPE office: 23, Adarsh Vihar, Raipur Road, Dehradun - 248001 Ph : +91 135 2787020; +91 9837123716 Email Id : iaptddn@gmail.com



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206, IInd Floor Adarsh Complex OPR 4 Awas Vikas 1, Keshavpuram Kalyanpur Kanpur - 208017

National Graduate Physics Examination - 2020

(B Sc Level)

Date : 1st March 2020

Certificate is awarded to *Mr/Ms* **MADHUMITA ROY** **20601** of
Centre **G-7135 BIDHAN CHANDRA COLLEGE ASANSOL Dt.
BURDWAN (WB)**

for having been placed among **Centre Top 10%** in part A of this examination out of **33** candidates enrolled at this centre. The examination was conducted on January 19, 2020 at **297** centers spread all over India with a total enrolment of **11638** candidates.

Prof Vijay A Singh
President IAPT

Dr B P Tyagi
Chief Coordinator (Examination)

Dr. Anil Kumar Singh
Coordinator NGPE

* NGPE office: 23, Adarsh Vihar, Raipur Road, Dehradun - 248001 Ph : +91 135 2787020; +91 9837123716 Email Id : iaptddn@gmail.com

NATIONAL GRADUATE PHYSICS EXAMINATION-2021

NATIONAL GRADUATE PHYSICS EXAMINATION (NGPE-2021)



Conducted by
INDIAN ASSOCIATION OF PHYSICS TEACHERS

Registered Office : 206, Adarsh Complex, OPR 4, Awasth Vikas-1, Keshavpuram, Kalyanpur, Kanpur - 208017
Web: www.indapt.org (Regd. No. K 1446)

Day, Date & Time of Examination **SUNDAY, January 24, 2021**
TIME : 10.00 AM to 1.00 PM

Last Date for Enrolment : 17th November 2020

Eligibility for Appearing in NGPE-2021 : Students of BSc I, II and III (Pass, Hons. or Integrated) are eligible.
(Any one who has already passed B.Sc. is NOT eligible)

Exam Information :

Registration Fee - ₹ 150 (Rupees One Hundred & Fifty Only)

Language for NGPE - English, Hindi, Gujarati, Tamil,
Telugu or any other language
if 100 or more Students opt for it.

Format for NGPE :

Part A : 25 MCQs with any number of options (1,2,3 or all 4) may be correct.
Credit is given only if all the correct options are marked (6 marks each; Total 150 marks)
Part B1 : 10 Short Answer (5 to 6 Lines) Questions (5 marks each; Total 50 marks)
Part B2 : Ten Problems (10 marks each; Total 100 marks)

Unique Features of this Examination :

- ★ Fully voluntary examination in a stress free environment.
- ★ Carry away the question paper both part A and part B.
- ★ It provides Individual's own assessment at all India level.
- ★ Same paper for all BSc I, II and III Year Students with separate national merit.
- ★ Solutions in printed form are provided to Centre In-Charge for each participant.
- ★ The only national level examination testing students in both theory & experiment.
- ★ Previous Year (2020) Question Paper & Solution for every centre registered for NGPE - 2021.

CERTIFICATES AND AWARDS IN NGPE - 2021

(Cash Award will be released only if the candidate continues higher studies in Physics)

NGPE-2021
Honors

TOP 10% at Each Centre : Centre Topper Certificate
TOP 1% at State Level : State Topper Merit Certificate
TOP 1% at National Level : National Topper Merit Certificate + Book Prize
TOP 5 Students in India : Merit Certificate + GOLD MEDAL + ₹20,000/- Cash Award

- ★ Top 25 will be eligible for appearing in NGPE Part-C Examination - 2021 (an examination in experimental skill) for final selection for GOLD MEDAL and one time Scholarship (Max. 5 in Number) worth ₹20,000/- for pursuing higher studies in Physics. TA is paid and free lodging arranged.
- ★ Top 25 will have eligibility for an interview for Admission in Post - B.Sc. Integrated Ph.D. Programme in Physical Sciences 2021 of S N BOSE NATIONAL CENTRE FOR BASIC SCIENCES, KOLKATA, (Only BSc III year students with more than 60% Marks)
For more details visit website - <http://bose.res.in/admission.htm> or write email to admission@bose.res.in
- ★ May get opportunity to attend one week EXPERIMENTAL PHYSICS WORKSHOP organized by IAPT AT KOLKATA (Regional Council - 15). TA is paid.
- ★ Top 5 to 10 students of B.Sc. First year (of University 3-yr System) shall be eligible to participate in prestigious NATIONAL INITIATIVE FOR UNDERGRADUATE SCIENCE (NIUS) program of Homi Bhabha Centre for Science Education, TIFR, Mumbai. [This is a Govt. of India, DAE Program organized at Mumbai].
- ★ Top 20 students of B.Sc. I appearing in NGPE-2021 may get an opportunity for two weeks Academic Workshop on Basic Physics at IIT Guwahati (Preferably for those from University 3-yr B.Sc. System)
- ★ Some more programmes for toppers may be declared later.

To obtain previous Ten Year Question Papers with complete solution deposit / transfer Rs. 150/- (One hundred fifty only) per set in IAPT account as per Bank details: Name of the account: Indian Association of Physics Teachers, Name of the bank : Central Bank of India, Branch : DBS College, Dehradun - 248 001, Account Number : 3750324600, IFSC Code : CBIN0283283. Then write a mail to iaptdn@gmail.com

FOR FURTHER INFORMATION : CONTACT

Dr Anil Kumar Singh

Coordinator NGPE
Department of Physics
Ewing Christian College, Allahabad-211003
Ph: 0532-2468029, 9415630904, 8296776770
Email: ankingsh12@gmail.com

Prof B P Tyagi

Chief Coordinator (Examination)
23 Adarsh Vihar, Raipur Road,
Dehradun - 248001 (Uttarakhand)
Tel : +91 135 297 1255, 9637123716,
9632221945, Email: iaptdn@gmail.com

Local Contact

Tel : _____

Fill this centre registration form for NGPE using CAPITAL letters and SEND it to Prof. B.P. Tyagi.
Please do not forget to mention PIN CODE.

From: AJAY KUMAR SHARMA
Dept. of Physics,
B.C. College, Asansol
W.B., PIN - 713304



Date: 01/12/2020

Centre number

G	7	1	3	5
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(if known)

To,
Prof. B.P. Tyagi
Chief Coordinator (Examination)
National Graduate Physics Examination
Indian Association of Physics Teachers
23, Adarsh Vihar, Raipur Road,
Dehradun - 248001 (Uttarakhand)

Email: ajay888sharma@yahoo.co.in

Sir,

Our Institution BIDHAN CHANDRA COLLEGE, ASANSOL is a Registered centre / ~~may~~ please be Registered for **National Graduate Physics Examination - 2021**. Prof. AJAY KUMAR SHARMA is appointed as Prof. In-charge of this Voluntary Academic Activity for the year 2020-2021. *This Institution will provide the necessary facilities for the conduct of examination free of charge.*

You are hereafter requested to communicate to the Prof. In-charge in connection with this examination.



SEAL

Yours faithfully
Jaduni Mpc Dnm
PRINCIPAL

(NAME Bidhan Chandra College)

Phone (Off.) (Code) Asansol

Asana
Prof. in-charge : Dr. AJAY KUMAR SHARMA
Address (Off.) : Dept. of Physics, B.C. College, Asansol
Dist - Paschim Burdwan, W.B. Pin: 713304
Phone (Off.) : () 9883227295
code
Address (Res.) : Dept. of Physics, B.C. College, Asansol
Dist - Paschim Burdwan, W.B. Pin: 713304
Phone (Res.) : () 9883227295
code
Email id: ajay888sharma@yahoo.co.in
(Please ✓ address for all further correspondence)



Bidhan Chandra College

[Govt. Sponsored] , ESTD :- 1961

Recognized by U.G.C (Govt. of India) and affiliated to Kazi Nazrul University
Asansol - 4, Dist - Paschim Bardhaman , W. B. , Ph : 0341-2283020 / 3058 ,
www.bccollegeasansol.org

Ref. No. 831/25/2021

Date : 20.01.2021

To,
The District Magistrate
Asansol
Paschim Bardhaman

Sub: National Graduate Physics Examination - 2021

Dear Sir/Madam,

This is for your kind information that the National Graduate Physics Examination - 2021 to be conducted by Indian Association of Physics Teachers shall hold for 24 B.Sc. students at Bidhan Chandra College, Asansol (G-7135) on 24.01.21 from 10:00 AM to 1:00 PM. NGPE is a National level examination conducted every year in month of January for B.Sc. students in India.

I being the Head of Institution undertake that all Covid-19 related precautions will be taken care at the centre and social distancing shall be strictly maintained.

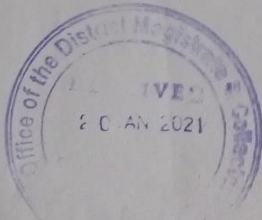
Thanking You

Ajay K. Sharma

Mr. A.K.Sharma
Centre In-charge
Assist. Professor
Department of Physics
B.C. College, Asansol
Ph: 9883227295

Date: 20/01/2021

Principal
Bidhan Chandra College
Asansol - 4.



Principal
Bidhan Chandra College
Govt. Sponsored
P.O, Asansol, Dist- Bardwan

Ajay K. Sharma
20/01/21



INDIAN ASSOCIATION OF PHYSICS TEACHERS

206, Adarsh Complex, Awes Vikas 1 Keshavpuram, Kalyanpur, Kanpur - 208017

NATIONAL GRADUATE PHYSICS EXAMINATION - 2021

0-7135 BIDHAN CHANDRA COLLEGE ASANSOL
Dt. BURDWAN (WB)

CENTRE INCHARGE:
Dr. AJAY KUMAR SHARMA

S No	Centre	Roll N	Name of Candidate	Father	Gen	Class	Med	Marks	Rank	Remarks
1	0-7135	21001	AJOK SHARMA	A S	M	BSc III	ENG	8		
2	0-7135	21002	SUDIPTA BANERJEE	S B	M	BSc III	ENG	24		
3	0-7135	21003	ARKA PRAVA GOPE	A G	M	BSc III	ENG	8		
4	0-7135	21004	ABHJIT MUKHERJEE	M M	M		ENG	A		
5	0-7135	21005	BANDANA BOURI	A B	F		ENG	A		
6	0-7135	21006	ROHIT SINGH	A S	M		ENG	A		
7	0-7135	21007	SHUVAM KUMAR	J K P	M		ENG	A		
8	0-7135	21008	SUBRATA MAJI	S M	M	BSc III	ENG	24		
9	0-7135	21009	ARNAB SARKAR	S S	M		ENG	A		
10	0-7135	21010	HIMANSHU MANDAL	S S	M		ENG	A		
11	0-7135	21011	PUJA MONDAL	S M	F		ENG	A		
12	0-7135	21012	RAJAT SUBHA BISWAS	B K B	M	BSc III	ENG	0		
13	0-7135	21013	KANCHAN MANDAL	N C M	M	BSc III	ENG	6		
14	0-7135	21014	SNEHA SENGUPTA	S S	F	BSc III	ENG	6		
15	0-7135	21501	SNEHINGSU SAHANA	K S	M	BSc III	ENG	30		
16	0-7135	21502	SOMYA/YOTI KARMAKAR	B C K	M	BSc III	ENG	30		
17	0-7135	21503	SOURABH PARAMANIK	S P	M	BSc III	ENG	18		
18	0-7135	21801	URDMALA SENGUPTA	D S	F		ENG	A		
19	0-7135	21802	ARPITA GOSWAMI	M G	F		ENG	A		
20	0-7135	21701	TIRTHANEAR CHOSH	R O	M	BSc III	ENG	42		TOP
21	0-7135	21702	SMRITIMOY CHAKRABORTY	B C	M	BSc III	ENG	24		
22	0-7135	21703	SREYA CHATTERJEE	B C	F	BSc III	ENG	A		
23	0-7135	21704	KAUSHIK PAL	S P	M	BSc III	ENG	84		TOP
24	0-7135	21705	SHUBHAM DEY	S D	M	BSc III	ENG	42		TOP

AC: Above cut off [for evaluation of Part B]
TOP: Top 10 % at the Centre
Dated: 1.3.2021

Prof. B. P. TYAGI
Chief Coordinator

Dr. Anil K. Singh
Coordinator NGPE
Ewing Christian College Allahabad