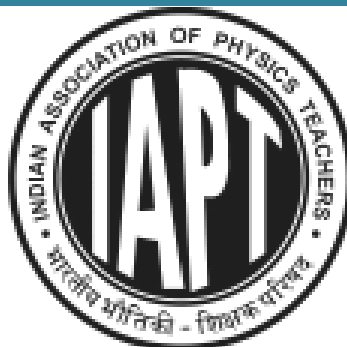


NATIONAL GRADUATE PHYSICS EXAMINATION



INDIAN ASSOCIATION OF PHYSICS
TEACHERS

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



DEPARTMENT OF PHYSICS

Centre Code- G-7135

NATIONAL GRADUATE PHYSICS EXAMINATION-2021-2022

NATIONAL GRADUATE PHYSICS EXAMINATION (NGPE-2022)



Conducted by
INDIAN ASSOCIATION OF PHYSICS TEACHERS
 Registered Office : 206, Adarsh Complex, OPR 4, Awas Vikas-1, Keshavpuram, Kalyanpur, Kanpur - 208017
 Web: www.indapt.org (Regd. No. K 1448)

Day, Date & Time of Examination **SUNDAY, January 23, 2022**
 TIME : 10.00 AM to 1.00 PM

Last Date for Enrolment : 17th November 2021

Eligibility for Appearing in NGPE-2022 : Students of B.Sc. I, II and III (Pass, Hons. or Integrated) are eligible.
 (Any one who has already passed B.Sc. is NOT eligible)

Exam Information :	Format for NGPE :
Enrolment 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.	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 (5 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 :

- ★ Students can apply online on indapt.org as well as through centre.
- ★ Fully voluntary examination in a stress free environment.
- ★ Carry away the question paper both part A and part B.
- ★ It provides Individuals own assessment at all India level.
- ★ Same paper for all B.Sc. 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 (2021) Question Paper & Solution for every centre registered for NGPE - 2022.

CERTIFICATES AND AWARDS IN NGPE - 2022
 (Cash Award will be released only if the candidate continues higher studies in Physics)

**NGPE-2022
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 - 2022 (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 2022 of S N BOSE NATIONAL CENTRE FOR BASIC SCIENCES, KOLKATA, (Only B.Sc. III year students with more than 60% Marks)

For more details visit our 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 (Region of Council - IS). 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-2022 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 : CBIIN0283283. Then write a mail to kaptdn@gmail.com

FOR FURTHER INFORMATION : CONTACT		
Dr Anil Kumar Singh Coordinator NGPE Department of Physics Ewing Christian College, Prayagraj-211003 Ph: 0532-2468329, 9419630904, 8298776770 Email: anilngh012@gmail.com	Prof B P Tyagi Chief Coordinator (Examination) 23 Adarsh Vikas Rajpur Road, Dehradun - 248001 (Uttarakhand) Tel : +91 1352971285, 9837123716, 9832221945, Email: kaptdn@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
Dep. of Physics, B.C.
College, Asansol,
Dist- Paschim Burdwan
AN-713304



Date: 30/11/2021

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 - 2022**. Prof. AJAY KUMAR SHARMA is appointed as Prof. In-charge of this Voluntary Academic Activity for the year 2021-2022. *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,
Rahuni Mukhopadhyay
PRINCIPAL
(NAME FALGUNI MUKHOPADHYAY)

Phone (Off.) (Code _____)

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



IMPORTANT: Fill the following sheet completely TAKE TWO XEROX COPIES, send this original sheet along with payment receipt (Cash/NEFT) to Prof. B.P. Tyagi Chief Coordinator (Examination), 23, Adarsh Vihar, Raipur Road, Dehradun-248001 (Uttarakhand) on or before 17-11-2021 and retain two xerox copies with you. Do not forget to write PIN Code on the postal address.



INDIAN ASSOCIATION OF PHYSICS TEACHERS

[Enrolment Sheet : NATIONAL GRADUATE PHYSICS EXAMINATION - 2022]

Date 30/11/2021

Centre Number: G7135 Phone: (Off) _____ (Res.) _____ (Mob.) 9883227295

Name of Centre: BIDHAN CHANDRA COLLEGE, ASANSOL

Name of Centre In-Charge: AJAY KUMAR SHARMA

Postal Address of Centre In-Charge: DEPARTMENT OF PHYSICS, B.C. COLLEGE, ASANSOL, DIST- PASCHIM BURDWAN

Number of Candidates enrolled _____ Email id of Centre In-Charge: ajay888charma@yahoo.co.in Pin: 713304

Language in which Question Paper is required with number: (1) Language: ENGLISH No.: _____ (2) Language: _____ No.: _____

Details of payment : NEFT/RTGS/Cash Deposit/Transfer, Date: 01/12/2021 NEFT/RTGS No. T21120161911922071152, UTR-13356172911

Amount (in Figures) Rs. 2,040/- (In words): Rupees TWO THOUSAND FORTY ONLY

LIST OF CANDIDATES

S.No.	Roll No.	Name of Candidate	Phone	E-mail ID	Father's Initial	M/F	Class	Institution where He/She is studying	Language of Q. Paper
1	22001	ROHIT SINGH	7001612199	rohitsinghkr64@gmail.com	A.S	M	5th sem.	B.C. College, Asansol	English
2	22002	RUDRA PRASAD RANERJEE	964061027	Purnendu Ranerjee D341@gmail.com	P.B	M	3rd sem.	B.C. College, Asansol	1)
3	22003	DEBMALYA ROSE	8918603728	debmalyarose19@gmail.com	A.K.B	M	5th sem.	B.C. College, Asansol	1)
4	22004	SUBHAM SHAKI	8327510244	Subhanshu0202@gmail.com	S.S	M	3rd sem.	B.C. College, Asansol	1)
5	22005	ARNAB GHOSH	8918935636	arnab4750@gmail.com	A.G	H	1st sem.	B.C. College, Asansol	1)
6	22006	SANA KHATOON	8345904781	SanaKhatoon1920@gmail.com	S.A	F	1st sem.	B.C. College, Asansol	1)
7	22007	ATRI SINHA	7001387141	atriatri85@gmail.com	R.S	H	1st sem.	B.C. College, Asansol	1)
8	22008	DEBAPRIYA MANDAL	979276327	debapriyamanandal217@gmail.com	N.P.M	M	1st sem.	B.C. College, Asansol	1)
9	22009	DEBASISH MUKHERJEE	9563072237	debashishmukherjee1986@gmail.com	T.N.M	H	1st sem.	B.C. College, Asansol	1)
10	22010	DIYA DAS	6295926596	diyadas94@gmail.com	K.D	F	3rd sem.	B.C. College, Asansol	1)
11	22011	MAHITA SHRESTHA	8906237717	mahitashrestha4@gmail.com	K.S	F	3rd sem.	B.C. College, Asansol	1)
12	22012	SHAZIA NAAZ	707690234	shaziahayat2003@gmail.com	K.A	F	3rd sem.	B.C. College, Asansol	1)
13	22013	SHRUTI MAJHI	7029313433	shrutimajhi6@gmail.com	M.M	F	3rd sem.	B.C. College, Asansol	1)
14	22014	ARNAB SARKAR	8172088981	arnabsarkar0205@gmail.com	S.S	H	3rd sem.	B.C. College, Asansol	1)
15	22015	SAZIA PARWEEN	9134913147	saziaparween06@gmail.com	H.A	F	3rd sem.	B.C. College, Asansol	1)

[illegible]

FINAL LIST OF PARTICIPANTS

	G-7135	BIDHAN CHANDRA COLLEGE ASANSOL			CENTRE INCHARGE : Dr. AJAY KUMAR SHARMA			
S No	Centre	Roll N	Name of Candidates	Father	Gen	Class	Med	COLLEGE NAME
1	G-7135	22001	ROHIT SINGH	AS	M	B.Sc. III	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
2	G-7135	22002	RUDRA PRASAD BANERJEE	PB	M	B.Sc. II	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
3	G-7135	22003	DEBMALYA BOSE	AKB	M	B.Sc. III	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
4	G-7135	22004	SUBHAM SHAW	SS	M	B.Sc. II	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
5	G-7135	22005	ARNAB GHOSH	AG	M	B.Sc. I	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
6	G-7135	22006	SANA KHATOON	SA	F	B.Sc. I	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
7	G-7135	22007	ATRI SINHA	RS	M	B.Sc. I	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
8	G-7135	22008	DEBAPRIYA MANDAL	NCM	M	B.Sc. I	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
9	G-7135	22009	DEBASHISH MUKHERJEE	TNM	M	B.Sc. I	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
10	G-7135	22010	DIYA DAS	KD	F	B.Sc. II	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
11	G-7135	22011	MAMTA SHRESTHA	KS	F	B.Sc. II	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
12	G-7135	22012	SHAZIA NAAZ	WA	F	B.Sc. II	ENG	BIDHAN CHANDRA COLLEGE ASANSOL
13	G-7135	22013	SHRUTI MAJHI	MM	F	B.Sc. II	ENG	BIDHAN CHANDRA COLLEGE ASANSOL

14	G-7135	22014	ARNAB SARKAR	SS	M	B.Sc. II	ENG	BIDHAN CHANDRA COLLEGE	ASANSOL
15	G-7135	22015	SAZIA PARVEEN	HA	F	B.Sc. II	ENG	BIDHAN CHANDRA COLLEGE	ASANSOL
16	G-7135	22016	NITESH GUPTA	AG	M	B.Sc. I	ENG	BIDHAN CHANDRA COLLEGE	ASANSOL
17	G-7135	22017	MANTU YADAV	MY	M	B.Sc. I	ENG	BIDHAN CHANDRA COLLEGE	ASANSOL
18	G-7135	22401	TUSHAR DEY	SD	M	BSc III	ENG	BANKURA CHRISTIAN COLLEGE, COLLEGE ROAD, 722101, WB	
19	G-7135	22402	MANOJIT PARAMANIK	MP	M	BSc I	ENG	ST. XAVIER'S COLLEGE (AUTONOMOUS), 30 MOTHER TERESA SARANI, KOLKATA	
20	G-7135	22403	SIDHARTH THAKUR	DKT	M	BSc I	ENG	BANARAS HINDU UNIVERSITY AJAGARA, VARANASI, UTTAR PRADESH 221005	
21	G-7135	22404	SAMANTHA SNEHA PAUL	FPP	F	BSc II	ENG	BIDHAN CHANDRA COLLEGE, ASANSOL , PASCHIM BARDHAMAN , 713304, WB	
			BLANK						
23	G-7135	22406	SUPRIYA KUNDU	SK	F	BSc III	ENG	BANKURA ZILLA SARADAMANI MAHILA MAHAVIDYAPITH	
24	G-7135	22407	PUNYABRATA KARMAKAR	BTK	M	BSc III	ENG	BANKURA CHRISTIAN COLLEGE,BANKURA,PIN-7 22101,WEST BENGAL	
25	G-7135	22408	MAMONI MANDAL	JM	F	BSc III	ENG	BANKURA SAMMILANI COLLEGE, BANKURA ,722102,WEST BENGAL	
26	G-7135	22409	ANUPAMA MAHATO	ACM	F	BSc III	ENG	BANKURA ZILLA SARADAMANI MAHILA MAHAVIDYAPITH	
27	G-7135	22410	EMILY PRIYADARSHINI	SPB	F	Int,MS c II	ENG	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, PUNE MAHARASHTRA 411008	
28	G-7135	22411	MAITRI GANGULI	DG	F	BSc III	ENG	BANKURA CHRISTIAN COLLEGE	
29	G-7135	22412	ARINDAM MUKHERJEE	SM	M	BSc III	ENG	BANKURA CHRISTIAN COLLEGE	

30	G-7135	22413	SOURAV MAHANTA	GM	M	BSc III	ENG	SALDIHA COLLEGE	
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31	G-7135	22414	MADHUCHHANDA PAINE	TKP	F	BSc III	ENG	BANKURA CHRISTIAN COLLEGE, BANKURA, BANKURA, WEST BENGAL, 722101
32	G-7135	22415	SANDIP MAJHI	MM	M	BSc II	ENG	SALDIHA COLLEGE,BANKURA,722173
33	G-7135	22416	SUBHANKAR LAYEK	SL	M	BSc III	ENG	BANKURA CHRISTIAN COLLEGE , BANKURA , BANKURA , 722101 , WEST BENGAL
34	G-7135	22417	SOMNATH MANDAL	TM	M	BSc III	ENG	BANKURA CHRISTIAN COLLEGE, TOWN - BANKURA, WB
35	G-7135	22418	MANISHA PAL	NCP	F	BSc III	ENG	BANKURA ZILLA SARADAMONI MOHILA MAHABIDYAPITH TOWN-BANKURA, DISTRICT - BANKURA PINCODE -722101
36	G-7135	22419	DEBRUPA MANDAL	DM	F	BSc III	ENG	BANKURA CHRISTIAN COLLEGE, TOWN+DIST-BANKURA, PIN-722101, STATE- WEST BENGAL
37	G-7135	22420	ANKAN BANERJEE	DB	M	BSc III	ENG	CHARUCHANDRA COLLEGE,KOLKATA,KOLKATA,713217, WEST BENGAL
38	G-7135	22421	SANDIP MANDAL	KK M	M	BSc III	ENG	BANKURA CHRISTIAN COLLEGE
39	G-7135	22422	KRITTIKA BANERJEE	DB	F	BSc III	ENG	SALDIHA COLLEGE WB
40	G-7135	22423	SAMAPTI LAKSHAN	SSL	F	BSc III	ENG	BANKURA CHRISTIAN COLLEGE BANKURA
41	G-7135	22424	SHREYA SEN	SKS	F	BSc III	ENG	BANKURA SAMMILANI COLLEGE
42	G-7135	22425	APARAJITA BATASYAL	SB	F	BSc III	ENG	BANKURA CHRISTIAN COLLEGE
43	G-7135	22426	SOUVIK JAR	GPJ	M	BSc II	ENG	BOLPUR COLLEGE WB



INDIAN ASSOCIATION OF PHYSICS TEACHERS

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

NATIONAL GRADUATE PHYSICS EXAMINATION - 2022

Q-7135 BIDHAN CHANDRA COLLEGE ASANSOL

CENTRE INCHARGE :
Dr. AJAY KUMAR SHARMA

S No	Centre	Roll N	Name of Candidates	Father	Gen	Class	Med	Marks	Rank	Remarks
1	Q-7135	22001	ROHIT SINGH	AS	M	B.Sc. III	ENG	A		
2	Q-7135	22002	KUDRA PRASAD BANERJEE	PB	M	B.Sc. II	ENG	36		
3	Q-7135	22003	DEBMALYA BOSE	AKB	M	B.Sc. III	ENG	30		
4	Q-7135	22004	SUBHAM SHAW	SS	M	B.Sc. II	ENG	36		
5	Q-7135	22005	ARNAB CHOSH	AO	M	B.Sc. I	ENG	18		
6	Q-7135	22006	SANA KHATOON	SA	F	B.Sc. I	ENG	A		
7	Q-7135	22007	ATRI SONHA	RS	M	B.Sc. I	ENG	A		
8	Q-7135	22008	DEBAPRIYA MANDAL	NCM	M	B.Sc. I	ENG	A		
9	Q-7135	22009	DEBASHISH MUKHERJEE	TNM	M	B.Sc. I	ENG	6		
10	Q-7135	22010	DIYA DAS	KD	F	B.Sc. II	ENG	30		
11	Q-7135	22011	MUMTA SHRESTHA	KS	F	B.Sc. II	ENG	18		
12	Q-7135	22012	SHAZIA NAJAZ	WA	F	B.Sc. II	ENG	A		
13	Q-7135	22013	SMRUTI MAJHI	MM	F	B.Sc. II	ENG	24		
14	Q-7135	22014	ARNAB SARKAR	SS	M	B.Sc. II	ENG	A		
15	Q-7135	22015	SAZIA PARVEEN	HA	F	B.Sc. II	ENG	A		
16	Q-7135	22016	NITESH GUPTA	AO	M	B.Sc. I	ENG	A		
17	Q-7135	22017	MUNTU YADAV	MY	M	B.Sc. I	ENG	A		
18	Q-7135	22401	TUSHAR DEY	SD	M	BSc III	ENG	A		
19	Q-7135	22402	MANOJIT PARAMANIK	MP	M	BSc I	ENG	A		
20	Q-7135	22403	SIDHARTH THAKUR	DKT	M	BSc I	ENG	48		TOP AC
21	Q-7135	22404	SAMANTHA SNEHA PAUL	FPP	F	BSc II	ENG	12		
22	Q-7135	22405	SUPRIYA KUNDU	SK	F	BSc III	ENG	A		
23	Q-7135	22407	PUNYABRATA KARMAKAR	BTB	M	BSc III	ENG	A		
24	Q-7135	22408	MAMONI MANDAL	JM	F	BSc III	ENG	A		
25	Q-7135	22409	ANUPAMA MAHATO	ACM	F	BSc III	ENG	42		TOP
26	Q-7135	22410	EMILY PRIYADARSHINI	SPB	F	Int.MSc II	ENG	A		
27	Q-7135	22411	MAITRI GANGULI	DG	F	BSc III	ENG	34		TOP AC
28	Q-7135	22412	ARINDAM MUKHERJEE	SM	M	BSc III	ENG	A		
29	Q-7135	22413	SOURAV MAHANTA	GM	M	BSc III	ENG	A		
30	Q-7135	22414	MADHUCHHANDA PAINE	TKP	F	BSc III	ENG	A		
31	Q-7135	22415	SANDIP MAJHI	MM	M	BSc II	ENG	A		
32	Q-7135	22416	SUBHANKAR LAYEK	SL	M	BSc III	ENG	34		TOP AC
33	Q-7135	22417	SOMNATH MANDAL	TM	M	BSc III	ENG	A		
34	Q-7135	22418	MANISHA PAL	NCP	F	BSc III	ENG	A		
35	Q-7135	22419	DEBRUPA MANDAL	DM	F	BSc III	ENG	A		
36	Q-7135	22420	ANKAN BANERJEE	DB	M	BSc III	ENG	A		
37	Q-7135	22421	SANDIP MANDAL	KKM	M	BSc III	ENG	A		
38	Q-7135	22422	KRITTIKA BANERJEE	DB	F	BSc III	ENG	A		
39	Q-7135	22423	SAMAPTI LAKSHAN	SSL	F	BSc III	ENG	A		

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

TOP: Top 10 % at the Centre

Dated: 10.5.2022

Prof. B.P. Tyagi
Chief Coordinator (Examination)

Dr. Anil Kr Singh
Coordinator NGPE
Ewing Christian College Allahabad



INDIAN ASSOCIATION OF PHYSICS TEACHERS

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

NATIONAL GRADUATE PHYSICS EXAMINATION - 2022

40	Q-7135	22424	SHREYA SEN	SKS	F	BSc III	ENG	A		
41	Q-7135	22425	APARAJITA BATASYAL	SB	F	BSc III	ENG	A		
42	Q-7135	22426	SOUVIK JAR	GPJ	M	BSc II	ENG	A		