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Anand Niketan College, Anandwan Warora Department of Physics

Questions Responses **16**

Total points: 20

Anand Niketan College, Anandwan Warora Department of Physics

B.Sc.Sem-III Paper-I Thermal Physics Unit test-I (Kinetic theory of gases)

Marks-20 Time:1 Hr Date:8/10/2020

Note: Each question Carry 1 mark

Incharge Teacher: Dr.Ashok A.Mistry

Email address *

Valid email address

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Question

Option 1

Name of Student: *

Short answer text

1. On which factor does the average kinetic energy of a gas molecule depend? *

Nature of the gas

Temperature

Volume

Mass

	A	B	C	D
1	Unit Test-I Topic:Kinetic theory of gases Dept. Of Physics			
2	Time: 1 Hr		Dr.A.A.Mistry	
3	Timestamp	Email Address	Score	Name of Student:
4	10-8-2020 8:28:12	tanvideogade09@gmail.com	9 / 20	Tanvi annaji deogade
5	10-8-2020 8:28:41	samirpimpalkar2001@gmail.com	2 / 20	Samir S. Pimpalkar
6	10-8-2020 8:29:28	nagajipawde083@Gmail.com	8 / 20	Nagaji
7	10-8-2020 8:30:51	fulzalesupriya2@gmail.com	7 / 20	Supriya fulzele
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17	10-8-2020 8:48:45	ashcharyanikode2002@gmail.com	8 / 20	Ashcharya murlimohan nikode
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26	10-8-2020 9:00:33	achalraut0304@gmail.com	12 / 20	Achal Purushottam Raut
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42	10-8-2020 9:09:33	roshanithakare975@gmail.com	11 / 20	Roshani palasaram thakare
43	10-8-2020 9:10:29	imalatawakade@gmail.com	13 / 20	Imalata kawadu wakade
44	10-8-2020 9:13:51	pawankarmenge@gmail.com	10 / 20	RAJESHWARI PRABHAKAR KARMEN
45	10-8-2020 9:14:55	gayakwadgurav60@gmail.com	12 / 20	Shital Maroti Gayakwad
46	10-8-2020 9:16:11	kalyanmitrakawade2001@gmail.com	13 / 20	Kalyanmitra Siddharth Kawade
47	10-8-2020 9:16:47	buddhayaninagare9@gmail.com	14 / 20	Buddhayani Pramod Nagare
48	10-8-2020 9:17:10	snehawandhare3@gmail.com	14 / 20	Sneha sunil wandhare
49	10-8-2020 9:17:31	vishakashengarpawar@gmail.com	8 / 20	Vishakha shengarpwar
50	10-8-2020 9:17:53	Harshadarode012@gmail.com	9 / 20	Harshada suresh rode
51	10-8-2020 9:18:00	vaishnavilasane@gmail.com	14 / 20	Vaishnavi Ramesh lasane
52	10-8-2020 9:20:02	tanushrikinhekar@gmail.com	9 / 20	Tanushri Vitthal Kinhekar
53	10-8-2020 9:20:32	divyachikte@ail.com	9 / 20	Divya Kishor Chikte
54	10-8-2020 9:21:50	saniyasheikh921@gmail.com	5 / 20	Saniyaparvin adil Sheikh
55	10-8-2020 9:23:00	nikhilshinde.hgt01@gmail.com	13 / 20	Nikhil pramodrao shinde
56	10-8-2020 9:23:02	abhijeetghanode9@gmail.com	13 / 20	Abhijeet Vasanta Ghanode

BA sem III 3rd unit test 21.01.21

Questions Responses 30

sem III MC
Total p
stions Re

Anand Niketan College, Anandwan-Warora

nand

B. A. Sem III, MCQ unit test, on the third unit, 21.01.2021 (Sub. - Compulsory English, Teacher: A N

Sem III, M

Name/Class/Section

ne/Class/

Short answer text

rt answer t

Choose correct word for- 'A man whose wife is dead'

poem "A

- widow
- widower
- non-wife
- non-wifer

A. K. Ram

Arun Kolat

Jayant Ma

William Sh

Choose correct word for- A tank in which fish and plants are kept-

old wom

- sequerium
- terranium
- aquarium
- fisharium

hair

purse

neck

sleeve



B. SC. 2nd YEAR

Instructions Student work

UNIT TEST

KALYANI ATRAM · Oct 15, 2020
20 points

Due Oct 15, 2020, 11:00 AM



ANAND NIKETAN COLLEGE ...
<https://forms.gle/MGY5MBAf2p...>

Class comments



ANAND NIKETAN COLLEGE ANANDWAN WARORA DEPARTMENT OF PHYSICS UNIT TEST - I

Course: B.Sc. Sem III
 Paper Name: Thermal Physics
 Unit Name: Second and Third Law of Thermodynamics
 Date: 14/10/2020
 Time: 11.00 am to 12.00 pm (1 hour)
 Subject Teacher: Asst. Prof. Kalyani Vitthal Atram

Required

Email *

Name *

The device which converts heat into mechanical work is : *

1 point

Mark only one oval.

- Motor
 generator
 energy convertor
 heat engine

7. The absolute scale of temperature was given by *

1 point

Mark only one oval.

- Carnot
 Otto
 Dewar
 Kelvin

8. The second law of thermodynamics implies that. *

1 point

Mark only one oval.

- whole of the heat can be converted into mechanical energy
 no heat engine can have 100% efficiency
 some heat engines working in reversible process can have efficiency 100%
 a refrigerator can reduce the temperature to absolute zero

9. The efficiency of a Carnot engine is 0.4. If the temperature of the sink is 27°C, the temperature of the source is *

1 point

Mark only one oval.

- 127°C
 500°C
 500K
 400K

4. In a heat engine, the maximum heat that can be converted into mechanical work: *

1 point

Mark only one oval.

- depends upon the working substance
 depends upon the working temperatures
 depends upon friction
 depends upon the temperature of the surroundings.

5. A Carnot engine works between a hot reservoir at temperature T1 and a cold reservoir at temperature T2. To increase its efficiency: *

1 point

Mark only one oval.

- T1 and T2 both should be increased
 T1 and T2 both should be decreased
 T1 should be increased and T2 decreased
 T1 should be decreased and T2 increased.

6. A Carnot engine whose heat sink is of 27°C has an efficiency of 40%. It is desired to increase efficiency by 10%. By how many degrees the temperature of the heat source has to be increased? *

1 point

Mark only one oval.

- 50°C
 100°C
 -173°C
 200°C

10. In a reversible process, the entropy of the system *

1 point

Mark only one oval.

- increases
 decreases
 remain zero
 remains constant

11. The entropy of a system in an irreversible process *

1 point

Mark only one oval.

- increases
 decreases
 remain constant
 none of the above

12. Entropy remain constant in *

1 point

Mark only one oval.

- adiabatic process
 isothermal process
 isochoric process
 isolated process

ANAND NIKETAN COLLEGE, ANANDWAN, WARORA**DEPARTMENT OF PHYSICS****Second and Third Law of Thermodynamics UNIT TEST****Subject Teacher: Kalyani Vitthal Atram**

Timestamp	Email Address	Score	Name
10/15/2020 10:13:42	nidhiarade25@gmail.com	9 / 20	Nidhi Arade
10/15/2020 10:16:08	harshalshrime15@gmail.com	5 / 20	Harshal Rajeshwar Shrirame
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10/15/2020 10:56:59	nidhiarade25@gmail.com	15 / 20	Nidhi Nandakishor Arade
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10/15/2020 10:58:28	poojadaf878@gmail.com	13 / 20	Pooja daf
10/15/2020 10:58:28	fulzelesangharsh78@gmail.com	15 / 20	Sangharsh Banduji Fulzele
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ANAND NIKETAN COLLEGE, ANANDWAN, WARORA

DEPARTMENT OF PHYSICS

Second and Third Law of Thermodynamics UNIT TEST

Subject Teacher: Kalyani Vitthal Atram

Timestamp	Email Address	Score	Name
10/15/2020 11:07:02	dudhankaryogita766@gmail.com	12 / 20	Yogita Haridas Dudhankar
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10/15/2020 11:10:13	sujatadhongade34@gmail.com	14 / 20	Sujata Raju Dhongade
10/15/2020 11:13:08	abhijeetghanode9@gmail.com	17 / 20	Abhijeet Vasanta Ghanode
10/15/2020 11:30:46	roshanithakare975@gmail.com	15 / 20	Roshani palasaram thakare
10/15/2020 11:41:02	nikhilshinde.hgt01@gmail.com	17 / 20	Nikhil pramodrao shinde

Amino acids, peptides and proteins

test conducted by Saroj P. Sahare

* Required

1. Email *

2. Name of student *

3. 1. Amino acids are organic compounds contain functional groups. * 2 points

Mark only one oval.

- amino (NH₂)
- carboxylic (COOH)
- both of the above
- none of the above

4. 2. Synthetic methods of amino acids * 2 points

Mark only one oval.

- Strecker Synthesis
- Gabriel phthalimide synthesis
- both of the above
- none of the above

Timestamp	Username	Total score	Name of student	Name of student	Name of student
2021/05/19 7:40:	anagpure10421@	22.00 / 40	Ankita anil nagp	-- / 0	
2021/05/19 7:44:	sampadatadas@	40.00 / 40	Sampada Deepa	-- / 0	
2021/05/19 7:48:	shwetabite@gma	26.00 / 40	Shweta Baldeo E	-- / 0	
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2021/05/19 9:39:	tanushrivitthal17	24.00 / 40	Tanushri vitthal k	-- / 0	

आनंद निकेतन महाविद्यालय वरोरा

विषय - अर्थशास्त्र भारतीय अर्थव्यवस्था सेम - ६

सराव परीक्षा

सर्व विद्यार्थ्यांनी वरील सराव परीक्षा सोडवावी. प्रत्येक प्रश्नाला २ मार्क्स आहेत.

* Required

आनंद निकेतन महाविद्यालय
वरोरा

विषय - अर्थशास्त्र भारतीय अर्थव्यवस्था सेम - ६
सराव परीक्षा
सर्व विद्यार्थ्यांनी वरील सराव परीक्षा सोडवावी. प्रत्येक प्रश्नाला २ मार्क्स आहेत.

Untitled Section

1. २. या अर्थव्यवस्था मध्ये दरडोई उत्पन्नाचे प्रमाण जास्त असते ? *

2 points

Mark only one oval.

- विकसित
- विकसनशील
- अल्पविकसित
- अर्धविकसित

2. ३. विकसनशील अर्थव्यवस्था चे खालील वैशिष्ट्य आहे? *

2 points

Mark only one oval.

- गरीबी
- निकृष्ट रहाणीमान
- निरक्षरता
- वरील सर्व

आनंद निकेतन महाविद्यालय वरोरा

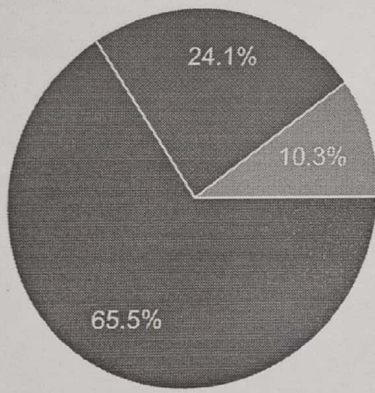
29 responses

आनंद निकेतन महाविद्यालय वरोरा

Untitled Section

२. या अर्थव्यवस्था मध्ये दरडोई उत्पन्नाचे प्रमाण जास्त असते ?

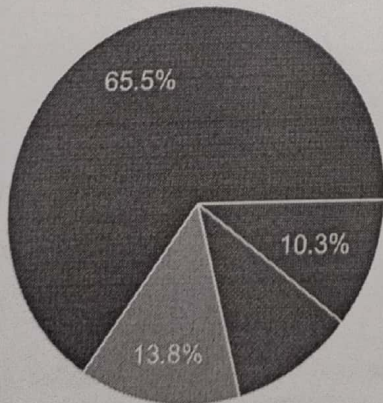
29 responses



- विकसित
- विकसनशील
- अल्पविकसित
- अर्धविकसित

३. विकसनशील अर्थव्यवस्था चे खालील वैशिष्ट्य आहे?

29 responses



- गरीबी
- निकृष्ट रहाणीमान
- निरक्षरता
- वरील सर्व

B.Sc. Zoology, Sem-III , online Class Test

TOPIC- Integument and its derivatives

* Required

1. Your Name

2. 1. The external protective covering of an animal is called

1 point

Mark only one oval.

- Dermis
- Integument
- Hair
- Scales

3. 2. What are the two major layers of integument?

1 point

Mark only one oval.

- Hypodermis and Dermis
- Scales and Epidermis
- Epidermis and Dermis
- Dermis and Hair

4. 3. Which of the following layers of epidermis is made up of keratin?

1 point

Mark only one oval.

- Stratum Corneum
- Stratum Germinativum
- Malpighian Layer
- None of the above

B.Sc. Zoology, Sem-III , online Class Test

78 responses

Publish analytics

Your Name

73 responses

Mahima v. Kurjekar

Ashwini Satish choudhari

Dhanshree banduji datarkar

Tushar sayankar

Aditya dnyaneshwar Kulmethe

Pranjali Gopal Bansod

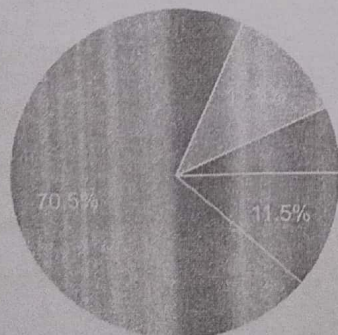
Shubhangi Purushottam Sakharkar

Bharati Gaybidas Murkute

Sushama ganpat dhok

1. The external protective covering of an animal is called

78 responses



- Dermis
- Integument
- Hair
- Scales

Test Result B.Sc Sem III

Topic – Osmoregulation in Pisces

8 / 10	Priyanka Sanjay Naukarkar
10 / 10	Swati Shelki
8 / 10	Shital naitam
4 / 10	Trupti payghan
6 / 10	Roshani Pandurang Giri
6 / 10	Sarang bandawar
10 / 10	Siddhi vijay mahalle
6 / 10	jagruti patil
8 / 10	Pratik Bhimte
6 / 10	Dhanshree banduji datarkar
8 / 10	Mansi Samir hazarey
10 / 10	Shruti Shrikrishna Thakre
4 / 10	Ashika A Pimpalkar
6 / 10	Pratiksha Dipak Sayankar
10 / 10	Achal pimpalshende
6 / 10	Nikita Dhobe
10 / 10	Pallavi sunil Milmile
10 / 10	Gaurav dattatraya pal
10 / 10	CHIRAG BHOYAR
10 / 10	Riddhi Vijay Mahalle
10 / 10	Manisha narayan khamankar
10 / 10	Mahesh sonwane
10 / 10	Yashaswi K. Thak
6 / 10	Akshay Mahadeo Rode
10 / 10	Pranali Vinod Raghatale
8 / 10	Soniya gautam bagesar
2 / 10	Sarang devidas dhawas

Dr. Samyogita Verma
Dept. of Zoology

6 / 10	Priyanka vitthal madekar
10 / 10	Rasika Pise
8 / 10	Akshada Hemant Pisal
6 / 10	Snehal Sunil Salve
8 / 10	Bharati Gaybidas Murkute
8 / 10	Alisha Jafar Sheikh

Thu, 10 Jun

Surprise Test-

Q. What does Kalam say, about achieving success in any of our missions? (10 marks)

10:57 AM ✓

🔊 You changed this group's settings to allow all participants to send messages to this group.

+91 84595 42013

~Janvi Kinake



Sat, 5 Jun

! You changed this group's settings to allow all participants to send messages to this group.

Open Book test-

Q. How did Mohd.

Yunus start his

experiment of

microcredit? (10

marks)

Write on paper, pos
here and keep record.



ANAND NIKETAN COLLEGE WARORA.
DEPARTMENT OF COMMERCE
B.COM. I (SEM-I)
UNIT TEST-2020-21
SUBJECT-PRINCIPLES OF MANAGEMENT
TIME-1 HOUR TOTAL MARKS-20

Name of the student _____

Date:- _____

- प्रश्न १- शास्त्रीय व्यवस्थापनाचे जनक कोणास म्हणतात . .
- अ) हेनरी फायॉल
ब) एल्टन मेयो
क) चेस्टर बर्नार्ड
ड) एफ डब्ल्यू टेलर
- प्रश्न २- संघटनेचा जुना प्रकार कोणता आहे .
- अ) रेखासंघटन
ब) रेखावकर्मचारी संघटन
क) क्रियात्मक संघटन
ड) सल्लागार संघटन
- प्रश्न ३- निर्देशनात कोणत्या घटकाला महत्व दिले जाते .
- अ) मनुष्य
ब) यंत्र
क) उत्पादन
ड) सामुग्री
- प्रश्न ४- इतरांकडून कार्य करवून घेण्याला काय म्हणतात .
- अ) नियंत्रण
ब) अभिप्रेरणा
क) नियंत्रण
ड) व्यवस्थापन
- प्रश्न ५- हेनरी फायॉल यांना कशासाठी ओळखतात
- अ) शास्त्रीय व्यवस्थापन
ब) व्यवस्थापनाची मुलतत्वे
क) औद्योगिक मानसशास्त्र
ड) सामाजिकशास्त्र
- प्रश्न ६- अभिप्रेरणेचा "क्ष" आणि "य" सिद्धान्त कोणी मांडला.
- अ) डग्लस म्येगरे
ब) अब्राहम मास्लो
क) श्री औची
ड) श्री हर्जबर्ग

प्रश्न ७- व्यवस्थापन काय आहे .

- अ) कला आहे.
ब) शास्त्र आहे
क) पेशा आहे.
ड) वरील सर्व बरोबर आहे

प्रश्न ८- हे व्यवस्थापनाचे कार्य आहे .

- अ) नियोजन
ब) संघटन
क) समन्वय
ड) वरील सर्व

प्रश्न ९ - व्यवसायाची धोरण ठरविण्याचे कार्य करते .

UNIT TEST ON LASER

Subject Teacher : Asst. Prof. Kalyani V. Atram

Required

Email

2. NAME *

3. CLASS *

4. MOBILE NUMBER *

1

5. Which one of the following statements best describes stimulated emission in a laser? * 1 point

Mark only one oval.

- Electrons collide with atoms in a metastable state and cause photons to be emitted.
- Atoms in a metastable state de-excite and cause electrons to be emitted.
- Photons interact with atoms in a metastable state and cause photons to be emitted.
- Photons interact with atoms in a metastable state and cause electrons to be emitted.

2

<https://docs.google.com/forms/d/1RcBQD3RdubvY2XuaJN3N6wvQoUHEFvKcbFUP6LAUwRt>

1/8

<https://docs.google.com/forms/d/1RcBQD3RdubvY2XuaJN3N6wvQoUHEFvKcbFUP6LAUwRt>

2/8

9/25/21, 11:08 AM

UNIT TEST ON LASER

1 point

9. Ruby laser is *

Mark only one oval.

- Semiconductor laser
- Solid state laser
- Gas Laser
- Liquid laser

6

10. The cheapest laser system * 1 point

Mark only one oval.

- Ruby laser
- He-Ne laser
- Semiconductor Laser
- YAG laser

7

11. A laser beam consist of * 1 point

Mark only one oval.

- Light material particle
- Highly coherent photon
- Electron
- Cosmic Ray

8

6. Why is laser light monochromatic? * 1 point

Mark only one oval.

- The excited electrons are in a metastable state.
- The system is in a state of population inversion.
- The emitted photon and incident photon are of the same phase.
- Photons of the same energy as that of the incident photons are emitted when the electrons transit down from a higher energy level.
- Option 5
- Option 6

3

7. In Helium Neon laser, mixture of helium and neon is in the ratio of about * 1 point

Mark only one oval.

- 1:10
- 10:1
- 1:1
- None of these

4

8. The main component of any laser system * 1 point

Mark only one oval.

- Active media
- The resonator cavity
- Pumping source
- All of these

5

9/25/21, 11:08 AM

UNIT TEST ON LASER

1 point

12. Which of the following is a unique property of laser? * 1 point

Mark only one oval.

- Directional
- Speed
- Coherence
- Wavelength

9

13. What is the need to achieve population inversion? * 1 point

Mark only one oval.

- To excite most of the atoms
- To bring most of the atoms to ground state
- To achieve stable condition
- To reduce the time of production of laser

10

14. What is the full form of LASER? * 1 point

Mark only one oval.

- Light Absorbent and Stimulated Emission of Radiations
- Light Absorbing Solar Energy Resource
- Light Amplification by Stimulated Emission of Radiations
- Light Amplification of Singular Emission of Radiations

11

ANAND NIKETAN COLLEGE, ANANDWAN, WARORA

DEPARTMENT OF PHYSICS

UNIT TEST ON LASER RECORD

Subject Teacher: Kalyani Vitthal Atram

Timestamp	Email Address	Score	NAME	CLASS	MOBILE NUMBER
6/28/2021 9:20:38	pawans7295@gmail.com	10 / 20	Pawan	Bsc	9527744104
6/28/2021 9:36:03	achallohe21@gmail.com	14 / 20	Achal Lohe	Bsc 2nd year (pcm)	9284078226
6/28/2021 9:41:02	kaledipali104@gmail.com	12 / 20	Dipali Raju kale	B. SC 2nd year	8888514336
6/28/2021 9:56:24	shwetabite@gmail.com	10 / 20	Shweta Baldeo Bite	B.Sc 2nd year PCM	8263900148
6/28/2021 9:56:30	gedamaditya18@gmail.com	5 / 20	Aditya Vitthalrao gedam	Second year	7057200986
6/28/2021 9:56:43	pritikute118@gmail.com	12 / 20	Priti Guvanta Kute	Bsc 2nd	7720819031
6/28/2021 9:57:05	poojaawaripwa@gmail.com	16 / 20	Pooja Waman Awari	BSc 2nd year	7420834288
6/28/2021 9:59:07	stadas389@gmail.com	12 / 20	Sneha Raju Tadas	BSc 2nd yr PCM	8551080935
6/28/2021 10:01:10	divyachikte@gmail.com	13 / 20	Divya Kishor Chikte	Bsc 2 nd year	7350395209
6/28/2021 10:02:06	buddhayaninagare9@gmail.com	14 / 20	Buddhayani Pramod Nagare	Bsc second year	9764342858
6/28/2021 10:02:07	sakshijambhule2019@gmail.com	15 / 20	Sakshi Pundlik Jambhule	Bsc-2nd (pcm)	9922498644
6/28/2021 10:02:30	pratikshakadukar619@gmail.com	10 / 20	Pratiksha shriram kadukar	BSc. 2	7821023570
6/28/2021 10:04:05	fulzelesangharsh78@gmail.com	19 / 20	Sangharsh Banduji Fulzele	Bsc 2nd year	+919284140284
6/28/2021 10:05:02	sampadatadas@gmail.com	14 / 20	Sampada Deepak Tadas	BSc2ndyear (PCM)	9370327846
6/28/2021 10:06:04	sheikhafreen109@gmail.com	17 / 20	Afrin Rafique Sheikh	BSC 2 nd year	9579383241
6/28/2021 10:06:50	soorpayal@gmail.com	6 / 20	payal ganesh soor	BSC 2nd year	8080296887
6/28/2021 10:14:49	sakshiumare2001@gmail.com	14 / 20	Sakshi Sanjay Umare	BSC 2 year (PCM)	9834561344
6/28/2021 10:19:10	samikshalakhadive@gmail.com	19 / 20	Samiksha Vijay lakhadive	BSC pcm 2 Nd Year	8830110127
6/28/2021 10:19:27	sujatadhongade34@gmail.com	19 / 20	Sujata Raju Dhongade	B.sc 2nd year pcm	94203 03178
6/28/2021 10:27:14	Prachitembhare8@gmail.com	16 / 20	prachi Anil Tembhare	2Nd yr	9637380419
6/28/2021 10:41:17	snehathengane97@gmail.com	13 / 20	Sneha thengane	Bsc 2nd yr (pcm)	9284872270
6/28/2021 10:52:09	snehanaitam144@gmail.com	11 / 20	Sneha suresh naitam	Bsc 2nd years (pcm)	9322119873
6/28/2021 11:01:19	shituturankar2001@gmail.com	12 / 20	Shital Arun Turankar	Bsc 2 nd year	7798815913
6/28/2021 11:18:09	2000vaibhav.kale@gmail.com	19 / 20	Vaibhav anil kale	Pcm	9665646952



Instructions

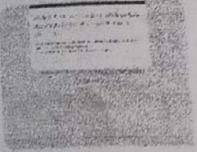
Student work

UNIT TEST

KALYANI ATRAM • Oct 16, 2020 (Edited Oct 16, 2020)

20 points

Due Oct 16, 2020, 10:30 AM



ANAND NIKETAN COLL...

<https://forms.gle/6Bsjw64s...>



Class comments



**ANAND NIKETAN COLLEGE
ANANDWAN WARORA DEPARTMENT
OF PHYSICS UNIT TEST - I**

Class: B.Sc. Sem I
Paper Name: Elements of Applied Physics
Unit Name: Introduction To Quantum Mechanics
Date: 13/08/2020
Time: 1.00 am to 1.30 pm (1 hour)
Subject Teacher Name: Prof. Rajesh Vikram Jaiswal

1. Read:

2. Name:

3. Which of the following is not the feature of classical theory?

- Mark only one oval.
- Photoelectric effect
 - Hydrogen atom
 - Black body radiation
 - de Broglie hypothesis

4. Which of the following proved that the de Broglie equation was correct?

- Mark only one oval.
- Franck's theory of stability
 - Planck's radiation
 - spectrum analysis
 - Davisson-Germer experiment

5. Deuterium-Deuterium equilibrium relates to:

- Mark only one oval.
- ion fusion
 - fission
 - electron diffraction
 - fluorescence

6. The Heisenberg uncertainty principle is concerned with what two properties?

- Mark only one oval.
- mass and velocity
 - momentum and position
 - position and velocity
 - momentum and mass

4. Choose correct statement of the property of photoelectric effect.

- Mark only one oval.
- Light without an upper limit does not emit electrons.
 - Electrons are ejected instantaneously.
 - The distribution of energies of emitted electrons depend on the intensity of the light.
 - Whether electrons are emitted at all doesn't depend on the frequency of the light being high enough.

5. In the photoelectric effect, the speed of emitted electrons may be increased by:

- Mark only one oval.
- Increasing the frequency of the light
 - Decreasing the frequency of the light
 - Increasing the intensity of illumination
 - Decreasing the intensity of illumination

6. Which of the following is not a variable in the de Broglie equation?

- Mark only one oval.
- Wavelength
 - velocity
 - Planck's constant
 - Location

10. The uncertainty relation cannot hold for the following pairs:

- Mark only one oval.
- Position and momentum
 - Energy and time
 - Linear momentum and angle
 - Angular momentum and angle

11. Which of the following is NOT a correct consequence of the Heisenberg uncertainty principle?

- Mark only one oval.
- The shorter the lifetime of an excited state of an atom, the less accurately we can measure its momentum.
 - An electron in an atom cannot be described by a well-defined orbit.
 - The momentum of an electron cannot be measured exactly.
 - Measurement of one variable in an atomic system can affect subsequent measurements of other variables.

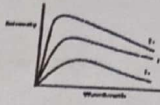
12. The radiations emitted by hot bodies are called as:

- Mark only one oval.
- X-rays
 - Black body radiation
 - Gamma radiations
 - White light

13. What is the firing angle between the incidence of photons and the ejection of photoelectrons?

- Mark only one oval.
- Greater than 90 to the power 4 sec
 - Between 90 to the power 4 sec and in the power 180 sec
 - Less than 90 to the power 4 sec
 - 1 sec

14. From the figure, what is the relation between T_1 , T_2 , and T_3 ?



Mark only one oval.

- $T_1 = T_2 = T_3$
- $T_2 = T_1 = T_3$
- $T_3 = T_1 = T_2$
- $T_2 = T_3 = T_1$

17. Light is made up of photons, which are:

- Mark only one oval.
- Waves
 - Particles
 - Both waves and particles
 - Nothing but waves or rays.

18. An atom typically exists in an excited state for about 10^{-10} to the power 8 s. Estimate the uncertainty ΔE in the frequency of emitted photons when an atom makes a transition from an excited state with the simultaneous emission of a photon with an average frequency of 1×10^{15} to the power 14 Hz. Is the emitted radiation monochromatic?

- Mark only one oval.
- Yes
 - No
 - Sometimes Yes sometimes No
 - None of these

19. Impenetrability of an electron by the nucleus is the application of:

- Mark only one oval.
- Uncertainty principle
 - de Broglie hypothesis
 - Planck's hypothesis
 - None of these

22. What is the product of the phase and the group velocity?

- Mark only one oval.
- Speed of light
 - Speed of matter
 - 2 x Speed of light
 - Speed of light/c



Maharogi Sewa Samiti, Warora's
ANAND NIKETAN COLLEGE

Science, Arts and Commerce
Anandwan, Warora - 442914
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Department of Physics

NOTICE

All the students of **B.Sc. Second Year (Sem-III)** are hereby informed that they have to make **10 MCQ** each student on any topic of **Unit III** and **Unit IV** from Paper **Thermal Physics** as an assignment.

Kalyani Vitthal Atram
Subject Teacher
Department of Physics
A.N. C. Warora

Vijay S. Dhabarde
Head
Department of Physics
A.N. C. Warora



ANAND NIKETAN COLLEGE

Science, Arts and Commerce

Anandwan, Warora - 429111

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DEPARTMENT OF PHYSICS

ASSIGNMENT SUBMISSION ATTENDANCE RECORD FOR B.SC. II YEAR 2020-21

Subject Teacher: Asst. Prof. Kalyani Vitthal Atram

Sr. No.	Student Name	Topic Name	Date Of Submission	Signature Of Student
1	Pooja Waman Awari	Joule-Thomson effect	24/02/21	Awari
2	Rutika. Poodip Parate	Thermodynamic function	24/02/21	Parate
3	Buddhayani P. Nagare	Carnot's cycle	24/02/21	Nagare
4	Sujata R. Dhongade	Latent Heat	24/02/21	Dhongade
5	Achal G. Lohe	Carnot's cycle	24/02/21	Lohe
6	Nikhil V. Jambhulkar	2nd & 3rd law of thermo.	25/2/21	Jambhulkar
7	Afrin R. Sheikh	Entropy	25/2/21	Sheikh
8	Arpita D. Zite	Entropy	25/2/21	A.D. Zite
9	Kalyani Khushal Bhoyat	Thermodynamic function	25/2/21	Bhoyat
10	Achal Prabhukero Balhe	Thermodynamic function	25/2/21	Balhe
11	Pastiksha S. Kadlkar	Thermodynamic function	25-02-21	Kadlkar
12	Samiksha. v. Lakhadive	Thermodynamic function	25-02-21	Lakhadive
13	Matyuri. R. Falke	Thermodynamic function	25-02-21	Falke
14	Togita. H. Dudhankar	Thermodynamic function	25-02-21	Dudhankar
15	Ponnu S. Mathankar	Thermodynamic function	25-02-21	Mathankar
16	Dipali R. Kale	2nd & 3rd law of thermodynamics	25-2-21	Kale
17	Tanushei V. Kinhekar	2nd & 3rd law of thermodynamics	25-2-21	Kinhekar
18	Kalyani M. Bhanawade	2nd Entropy	26-02-21	Bhanawade
19	Shruti D. Jambhule	Carnot's cycle	26-2-21	Jambhule

Sr. No.	Student Name	Topic Name	Date Of Submission	Signature Of Student
20	supriya . B. fulzele	carnot's cycle	26-02-2021	S.B.fulzele
21	Achdi K. Shende	carnot's cycle	26-02-2021	Shende
22	Renuka . K. Atuam	Entropy	26-02-2021	Atuam
23)	Divya A. Kinhekar	Enthalpy	26-02-2021	Kinhekar
24)	Sarveksha V. Chaudhary	Unit - 4, 5	26-02-2021	Chaudhari
25)	Sampada D. Tadas	Change in Entropy	26-02-2021	Tadas
26)	Nikhil . P. Shinde	carnot theorem.	26-2-2021	Shinde
27)	Tushar R. Kharangar	Latent Heat	26-02-21	Kharangar
28)	Abhijeet V. Ghoshale	Entropy	26-02-21	Ghoshale
29)	Pawan M. Dabekar	Second law and third law of thermodynamics	26-02-21	Dabekar
30.	Nidhi N. Arade	Carnot's engine	26-02-21	Arade
31.	Sneha . S. Thengane.	Thermodynamic	26-2-21	Thengane
32.	Vaishnavi R. Lasane	carnot cycle	26-2-21	Lasane
33.	Sakshi S. Umare	second law & third law of thermodynamic	26-2-21	S.S.Umare
34	Payal . P. Dahule	Thermodynamic potential	26-2-21	Dahule
35	sneha S. Wundhase	Thermodynamic potential	26-2-21	Wundhase
36)	Shital A. Tuzantkar	Carnot heat engine	26-2-21	Tuzantkar
37)	Pooja S. Dab	Entropy	26-2-21	Dab
38)	Ayush A. Khapure	Entropy	26-2-21	Khapure
39)	sneha . G. chende	second law and third law thermodynamic	26-2-21	Chende
40)	shweta B. Bite	second and third law of thermodynamic	26-2-21	S.B.Bite
41	Divya K. Chikte	second and third law of thermodynamic	26/02/21	Chikte
42)	Aditya V. Gedam	Entropy	26/02/21	Gedam
43)	Vaibhav A. Kale	Carnot's cycle	26/02/21	Kale

Anand Niketan College Anandwan
Warora Department of Physics B. Sc.
Sem-III-Paper-II-Radiation & Statistical
Physics. Unit Test on Unit-I-Theory of
Radiation

General Information

Subject Teacher: Dr. Nilesh S. Upadhye

* Required

1. Email *

2. Name of the student *

MCQ

- 1. All questions are Compulsory.
- 2. Tick mark the correct option.
- 3. All questions carry equal marks.

3. 1. As the wavelength of the radiation decreases, the intensity of the black body radiations _ * 2 points

Mark only one oval.

- a) Increases
- b) Decreases
- c) First increases then decrease
- d) First decreases then increase

ANAND NIKETAN COLLEGE WARORA

B.Sc. (CBCS Pattern) Semester-IV Paper

IUSPHT08: OPTICAL PHYSICS

UNIT TEST 1

Conduct: 12-06-2021 Marks-20

Date of

Subject Teacher: Dr. Nilesh S. Dhanu

* Required

1. Email *

2. Name of the Student *

ANAND NIKETAN COLLEGE WARORA
B.Sc. (CBCS Pattern) Semester-IV Paper
IUSPHT08: OPTICAL PHYSICS

UNIT TEST 1
Date of Conduct: 12-06-2021

3. Which of the following does not show any interference pattern? *

2 points

Mark only one oval.

- Soap bubble
- Excessively thin film
- A thick film
- Wedge Shaped film

ANAND NIKETAN COLLEGE WARORA
B.Sc. (CBCS Pattern) Semester-VI Paper
II (USDSEPHT14): DIGITAL AND ANALOG
CIRCUITS AND INSTRUMENTATION

UNIT TEST 1

Conduct: 10-06-2021 Marks-20

Date of

Subject Teacher: Dr. Nikesh S. Upemage

* Required

1. Email *

2. Name of the Student *

B.Sc. (CBCS Pattern) Semester-VI Paper II
(USDSEPHT14): DIGITAL AND ANALOG
CIRCUITS AND INSTRUMENTATION

UNIT TEST 1
Date of Conduct: 10-06-2021

3. Intrinsic semiconductors are those *

2 points

Mark only one oval.

- Which are made of semiconductor material in its purest form
- Which have zero energy gap
- Which have more electrons than holes
- Which are available locally

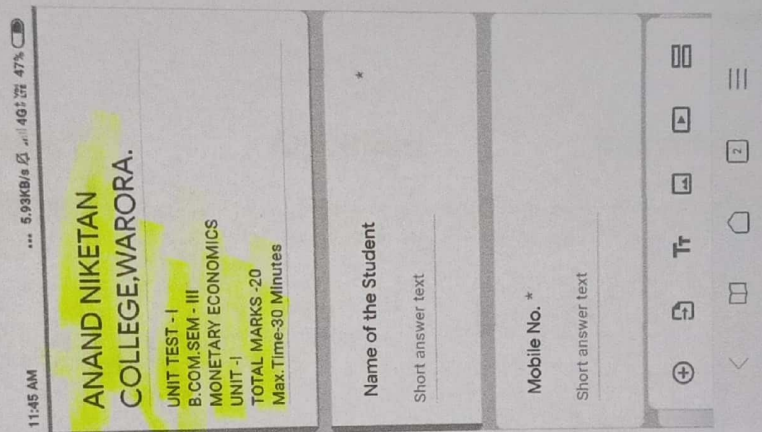
12/21/21, 6:59 PM

Jivne Sir

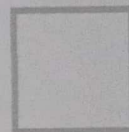
yesterday at 10:16 PM



(10) WhatsApp



8 of 11



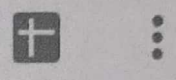
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Unit test 2 sem 5

Questions Responses **111** Settings Total points: 15

111 responses



Accepting responses

Summary

Question

Individual

Insights

Average
11.89 / 15 points


Median
13 / 15 points

Range
2 - 15 points

Total points distribution



Surprise Test
B-sc. I

 **KALYANI ATRAM**
Jun 30

Good morning students !!!

Today you are going to have surprise test about which was informed you in the last week is scheduled on Google classroom from 7.30 am to 8.30 am.

KALYANI V. ATRAM
Asst. Prof.
Dept. Of Physics
ANC, Warora



SURPRISE TEST ON VECTOR ANALYSIS

SUBJECT TEACHER : ASST. PROF. KALYANI VITTHAL ATRAM

* Required

1. Email *

2. NAME *

3. MOBILE NUMBER *

4. 1. The quantity which has the only magnitude is called _____ * 2 points

Mark only one oval.

- a) A scalar quantity
- b) A vector quantity
- c) A chemical quantity
- d) A magnitude quantity

5. 2. What is the magnitude of a unit vector? *

Mark only one oval.

- a) It has no magnitude
- b) Zero
- c) Constant but not zero
- d) Unity

6. 3. Which of the following has zero magnitude? *

Mark only one oval.

- a) Fixed vector
- b) Zero vector
- c) Modulus of a vector
- d) Unit vector

7. 4. The position of a particle in a rectangular coordinate system is (3,2,5). What will the position vector be? * 2 points

Mark only one oval.

- a) $3i^2+2j^2+5k^2$
- b) $3i^2-2j^2-5k^2$
- c) $5i^2+2j^2+3k^2$
- d) $2i^2+5j^2+3k^2$

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14

<https://docs.google.com/forms/d/178uA1heY1c7Z3080GDK2wng-HLb0QdseE04G4Jq5g9v8d>

34

8. 5. Which of the following is a vector? * 2 points

Mark only one oval.

- a) Surface Tension
- b) Moment of Inertia
- c) Pressure
- d) None of the above

9. 6. A quantity described by magnitude and direction both are called * 2 points

Mark only one oval.

- a) scalar
- b) vector
- c) unit
- d) all of above

10. 7. Displacement is * 2 points

Mark only one oval.

- a) scalar
- b) vector
- c) unit
- d) all of above

11. 8. Gradient of scalar field is ----- * 2 points

Mark only one oval.

- a) scalar quantity
- b) vector quantity
- c) Both a and b
- d) None of the above

12. 9. Divergence of vector field is ----- * 2 points

Mark only one oval.

- a) scalar quantity
- b) vector quantity
- c) Both a and b
- d) None of the above

13. 10. Curl of a vector field is ----- * 2 points

Mark only one oval.

- a) scalar quantity
- b) vector quantity
- c) Both a and b
- d) None of the above

34

<https://docs.google.com/forms/d/178uA1heY1c7Z3080GDK2wng-HLb0QdseE04G4Jq5g9v8d>

<https://docs.google.com/forms/d/178uA1heY1c7Z3080GDK2wng-HLb0QdseE04G4Jq5g9v8d>

ANAND NIKETAN COLLEGE ANANDWAN WARORA

DEPARTMENT OF PHYSICS

SURPRISE TEST RECORD

Timestamp	Email Address	Score	NAME	MOBILE NUMBER
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7/2/2021 15:50:34	ankitawasekar11@gmail.com	8 / 20	Ankita	

ANAND NIKETAN COLLEGE ANANDWAN WARORA

STUDENT SEMINAR

DEPARTMENT OF BOTANY

M.SC.- SEM I (B1 AND B2)

Session 2020- 21

Name of Students	Topic Name	Date	Signature
Bakane Sakashi R	Classification of algae	04/03/2021	Sakashi
Behade Sagar G	Classification of fungi (recent trends and criteria used in classification)		Sagar
Bhanarkar Uma M	Algal bloom, biofertilizers; algae as a food, feed and uses in industry		Uthorankar
Chamate Bhavana V	Fungal cytology		B.V. Chamate
Dadmal Akash V	Fossil history of bryophytes		Dadmal
Darokar Vijeta V	Cytology of bryophytes		Darokar
Dhande Priya R	General account of sphaerocarps		Dhande
Dhote Shraddha V	Evolution of stele in pteridophytes		Dhote
Durugakar Nuhali K	General account of sphenopsida		Durugakar
Dutta Preeti D	Classification of gymnosperm		Dutta
Gowardipe Varsha P	General account and relationship of cordiales		Gowardipe
Jiwode Sarika M	Geological time scale		Jiwode
Kalaskar Ashwini A	Mendel's law of inheritance	04/03/2021	Ashwini
Kayarkar Pratiksha N	Karyotype analysis and evolution		Pratiksha
Labhane Kalyani R	Structural numerical changes in chromosome		Labhane
Narad Prajka V	Specialized type of chromosome		Narad
Narvade Pratiksha A	c-value paradox, cot curve and its significance	04/03/2021	Narvade

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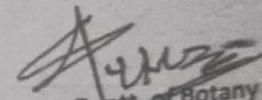
STUDENT SEMINAR

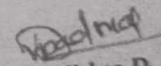
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M.SC.- SEM I (B1 AND B2)

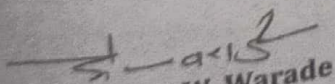
Session 2020- 21

Neware Shruti P	Role of mutation in crop improvement induction of polyploidy	04/03/2021	Shoukhan
Sahare Rani B	Effect of aneuploidy on plants		Babasa
Sekharkar Rakhi P	Coniferales (Morphology, reproductive organ, gametophyte, embryo)		Pradkhatra
Shingru Kalyani D	Preservation and preparation of plant fossils.		Rajay
Tajane Ashwini B	Contribution made by Leuwenhoek, Posture, Robert hook, Jenner, Waskman, Iwanowsk.		Rajne
Telase Ankit R	Bacterial diseases of plant		Pran
Telmasre Puja S	Viral diseases of plant		Tejmasre

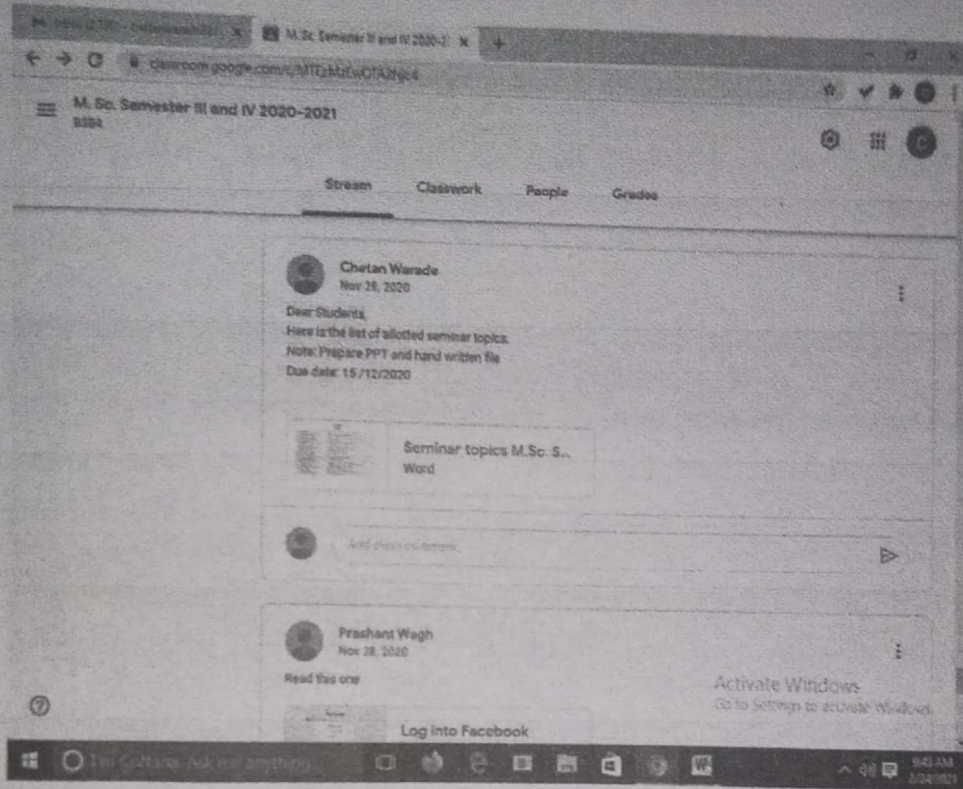

HOD Dept of Botany

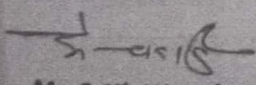

Asst. Prof. Vidya D. Dadmal

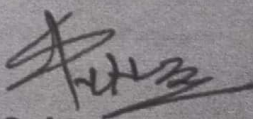
Dr. P. J. Wagh


Asst. Prof. C. W. Warade

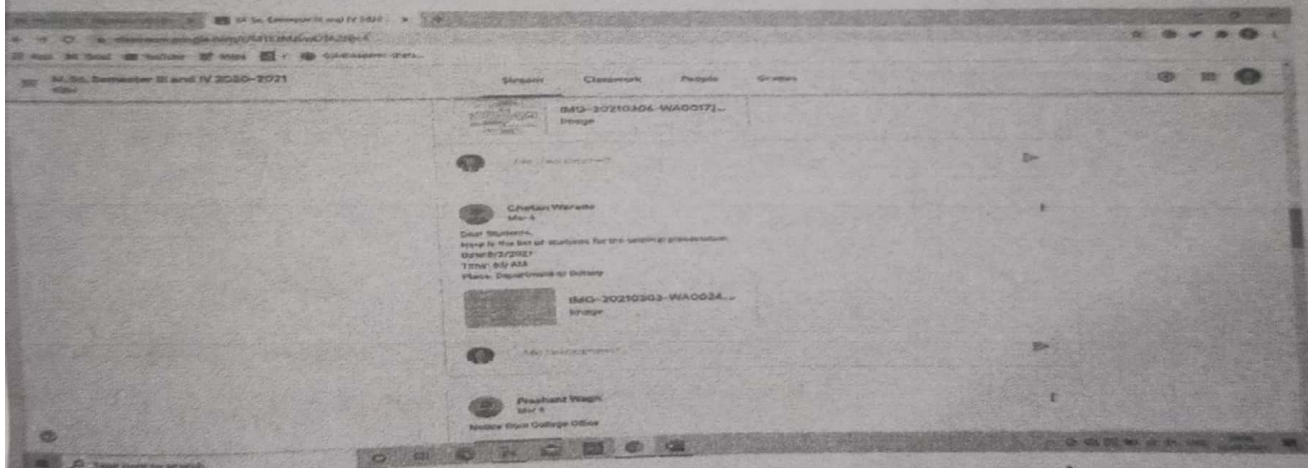
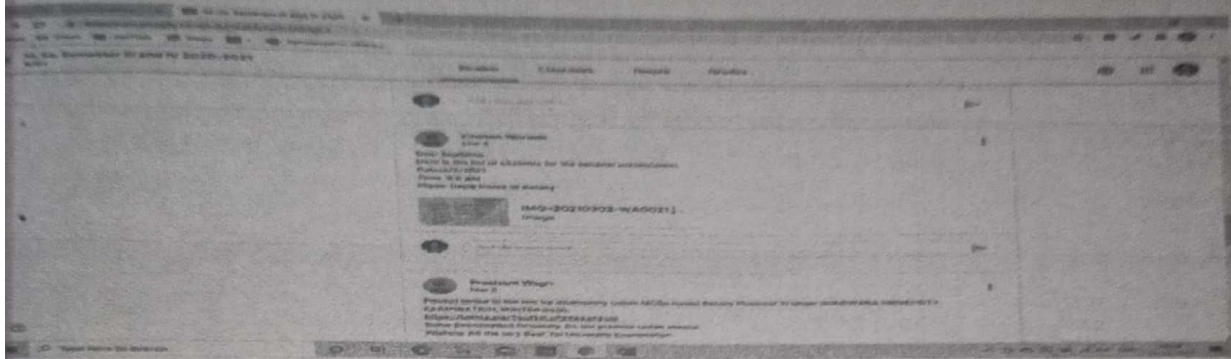
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DEPARTMENT OF BOTANY
SEMINAR
M. Sc. SEMESTER III
YEAR-2020-21



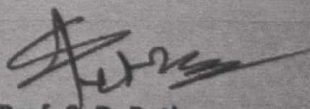

Mr. C. W. Warade


Prof. S. D. Petkar
HOD Deptt. Of Botany

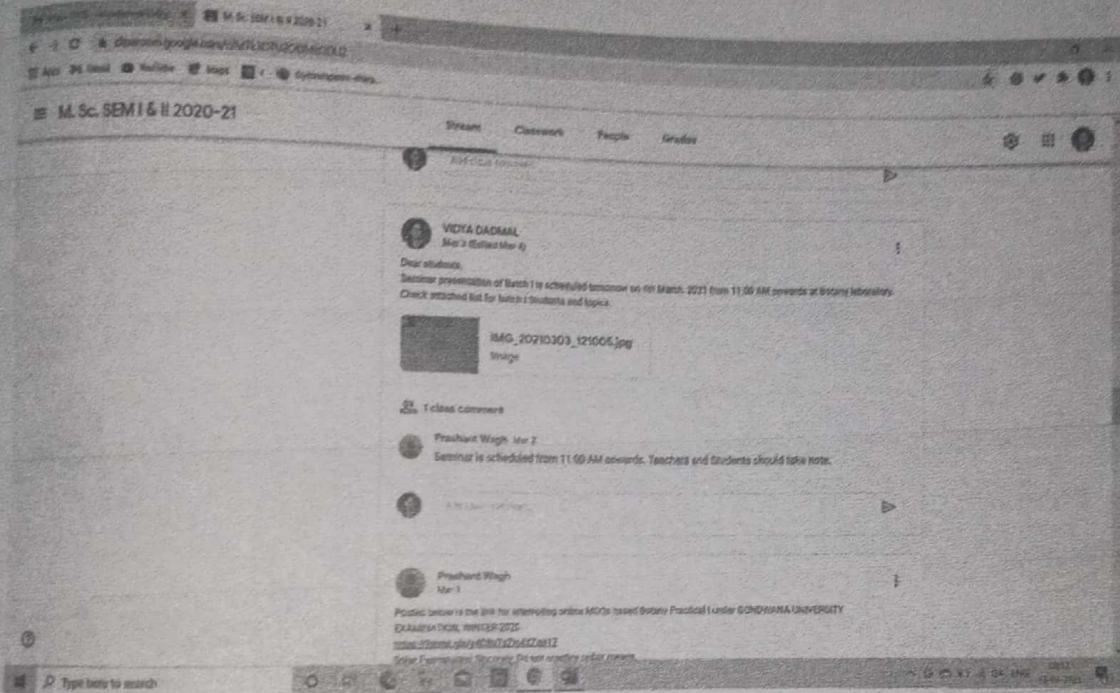
ANAND NIKETAN COLLEGE, ANANDWAN, WARORA
DEPARTMENT OF BOTANY
SEMINAR
M. Sc. SEMESTER III
YEAR-2020-21



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Mr. C. A. Warade


Prof. S. D. Petkar
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ANAND NIKETAN COLLEGE, ANANDWAN, WARORA
DEPARTMENT OF BOTANY
SEMINAR
M. Sc. SEMESTER I
YEAR-2020-21



V. Dadmal

Miss. V. D. Dadmal

S. D. Petkar

Prof. S. D. Petkar

HOD Deptt. Of Botany

ANAND NIKETAN COLLEGE, ANANDWAN, WARDHA
DEPARTMENT OF BOTANY

SEMESTER I

M. Sc. SEMESTER I
YEAR 2020-21

Handwritten notes and diagrams on lined paper, including a table with columns for 'TARGET' and 'AVERAGE'.

Target	Average
14	13

[Signature]
V.S. Dabral

[Signature]
Prof. S. D. Patkar
HOD Deptt. Of Botany

classroom.google.com/c/MTE-MzEwOTA2Njctd/a/MccxMDE0MTczMDIx/submissions/by-status/and-sort-name/all

M.Sc. Semester III and IV 2020-2021

Instructions Student work

Returns Ungraded

All students

Sort by status

Turned in

SEMINAR PRESENTATION M.Sc. Semester-IV Session 2020-21

14 Turned in 8 Assigned

All

Student Name	Status	Submission Title	Status
Aditya Kale	Turned in	SEMINAR PRESENTA...	Turned in
Amey Nagarpure	Turned in	ppt final-year.pptx	Turned in
Disha Rajgire	Turned in	Anther and Pollen cult...	Turned in
Kajal Sahare	Turned in	kajal sahare Msc 2nd	Turned in
Manisha Walde	Turned in	Share Share Manisha	Turned in
Pallavi Chaukhe	Turned in	new ppt pc1.pptx	Turned in
Pooja Milmile	Turned in	RFLP and RAPD.pptx	Turned in
priyanka daware	Turned in	Cleaner Biotechnology	Turned in
Shaziya Sheikh	Turned in	#sajiya sheikh ppt wt...	Turned in
Shreyash Thakare	Turned in	3 assignments	Turned in
SHRUSHTHI	Turned in		
SHRUTI GARATE	Turned in		
Shobham Naranje	Turned in		
Symal Burela	Turned in		
amir ansham	Turned in		

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14°C HAZE 5:30 PM 21.12.2021

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Daily Attendance Report for ashvini-pusdekar-msc-2nd-year-electronic-unit-3-and-optics-unit-1: 2021-07-14

Class Name: ashvini-pusdekar-msc-2nd-year-electronic-unit-3-and-optics-unit-1 Meet ID: suq-qajc-sco Date: 2021-07-14 v Earliest Arrivals: 08:02
 Start: 8:02 End: 10:13 Duration: 131 min

64 Names (8 Absent) ☆	8:00	8:02	8:05	8:10	8:15	8:20	8:25	8:30	8:35	8:40	8:45	8:50	8:55
✓Bhartid Bawanthade													
Pratibha Bodhe													
✓Trupti Chahare													
? Nikita Chincholkar													
✓Pranali Deulkar													
✓Shruti Dhale													
✓Sarika Gaikwad													
✓Supriya Gaikwad													
✓Anagha Ghodmare													
✓Pooja Kalsarpe													
✓Kajal Kaware													
✓Nilima Kayarkar													
✓Swapnil Kharkar													
✓Gaurav Ladhi													
✓Sujit Lambat													
✓Sonal Malekar													
✓Swati Mandawkar													
✓Shriram Mane													
✓Roshana Maske													
Anuradha Mathankar													
✓Chetan Mathankar													
✓Priyanka Moon													
? Pallavi Nagrikar													
✓Sneha Nannaware													
✓Laxmi Nikhade													
✓10 Others													
✓11 Others													
✓12 Others													
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✓17 Others													
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✓Pranoti Pimpalkar													
✓Ashvini Pusdekar													
✓Pallavi Pusdekar													
✓Neha Rokade													
✓Prerana Telang													
✓Mrunali Thak													

ANAND NIKETAN COLLEGE WARORA
Economics Quiz

Timestamp	Email Address	Score	Full Name	Name of the college or school	Contact Number
6/8/2020 11:37:02		10 / 20	Manisha patil	Anc warora	9837279623
6/8/2020 11:40:34		10 / 20	Narendra	anc	9837279623
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6/8/2020 15:18:23		16 / 20	Shital ramesh mendhe	Dr. Babasaheb Ambedkar College bramhapuri	7666350189
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6/8/2020 16:04:56		20 / 20	SATISH SHAMRAO KHOBRAGADE	DR. BABASAHEB AMBEDKAR COLLEGE OF ARTS, COMMERCE AND SCIENCE BRAMHAPURI	9405533417
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6/8/2020 18:03:09		16 / 20	Suraj vitthal kumre	Art commerce and science college, tukum chandrapur	7821010057
6/8/2020 18:18:50		18 / 20	Kiran Moon	Arts, commirce & scienc college	9421926059
6/8/2020 20:01:37	narendra.anandwan@gmail.com	20 / 20	Narendra Patil	Anand Nilesh College Warora	9637279623
6/8/2020 20:33:49	kamblerp17@gmail.com	20 / 20	Rajesh Pralhad Kamble	Dr Babasaheb Ambedkar college, Bramhapuri	9326019654
6/8/2020 20:57:32	mkawade04@gmail.com	4 / 20	Manisha	Art, commers, sincens college tukum, chandrapur	7972508465
6/8/2020 21:01:31	mkawade04@gmail.com	18 / 20	Manisha	Art, commers, sinence college tukum chandrapur	7972508465
6/8/2020 21:11:05	mkawade04@gmail.com	20 / 20	Manisha nandakishor kawade	Arts, commers, science college tukum, chandrapur	7972508465
6/8/2020	ABCD@gmail.com	14 / 20	abcd	abcd	1234567890

आनंद निकेतन महाविद्यालय आनंदवन वरोरा

74 responses

आनंद निकेतन महाविद्यालय आनंदवन वरोरा

नाव

74 responses

Ganesh

Laxmi Dnyaneshwar Ghagi

Rupali Arun chaudhari

Achal manohar kuttarmare

Madhuri vinod mandale

Pranav Kavale

Minakshi Suresh ghate

Pallavi

Manisha Govardhan Gadmade

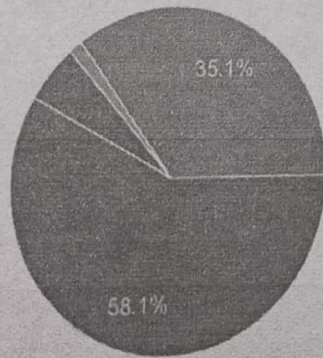
मोबाइल न.

74 responses

- 9370699073
- 7499518872
- 8080882455
- 9307465923
- 7666238995
- 7028212602
- 8459846780
- 9834097196
- 7066835035

१. मुद्रेचा जन्म का झाला

74 responses



- विनिमयातील अडचणी दूर करण्यासाठी
- बचत करण्यासाठी
- मूल्य संग्रहण करण्यासाठी
- वरील सर्व

ASSIGNMENT

Kalyani Atram • Jan 8

Due Jan 15, 11:59 PM

- 1) ALL QUESTIONS ARE COMPULSORY
- 2) WRITE THE ANSWERS ACCORDING TO THE WEIGHTAGE (MARKS) GIVEN
- 3) SUBMIT THE PDF FORMAT OF ASSIGNMENT
- 4) SUBMIT THE ASSIGNMENT WITHIN DUE DATE

Assignment II-convert...
PDF

Class comments

Add class comment





Maharogi Sewa Samiti, Warora's
ANAND NIKETAN COLLEGE

Science, Arts and Commerce
Anandwan, Warora - 442914
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DEPARTMENT OF PHYSICS

Sem-V Paper I

USDSEPHT09: ELEMENTS OF MODERN PHYSICS

ASSIGNMENT-II

Long answer questions (5 to 6 marks)

- 1 Write Schrodinger's wave equation for a free particle in one dimensional box and solve it to obtain eigen values of momentum and energy for it.
- 2 Obtain an expression for energy of a free particle in one dimensional rigid box.
- 3 Write Schrodinger's time independent wave equation for a free particle in 3 - dimensional rectangular box and solve it to obtain the eigen value of energy.
- 4 Find out the reflection and transmission coefficient for a rectangular potential barrier of width "a" and height "vo".

Short answer questions (2 to 3 marks)

- 1 State the boundary conditions for a free particle in a one dimensional box.
- 2 What is one dimensional rectangular potential barrier. Explain its classical and quantum mechanical approach.
- 3 What is an operator? Mention any two quantum mechanical operator.
- 4 What is eigen function and eigen value? Explain them with example.
- 5 Obtain Schrodinger's time dependent equation.
- 6 Derive Schrodinger's time independent wave equation.
- 7 Derive an expression for momentum operator and energy operator.
- 8 Give the physical significance of wave function and state the conditions for a wave function to be well behaved.
- 9 Explain the one dimensional rectangular potential barrier.
- 10 Write down the Schrodinger equations for all three regions of rectangular potential barrier.
- 11 Find Eigen value of following function for operator d/dx (a) e^{ax} (b) $\sin 2x$



Instructions

Student work

ANAND NIKETAN COOLEGE, ANANDWAN,
WARORA

DEPARTMENT OF PHYSICS
ASSIGNMENT



KALYANI ATRAM · May 13, 2020


Dear students,

The file attached consist of the assignment related to our upcoming syllabus topic.

Complete and post it.

ASSIGNMENT.docx

Word

 Class comments



Add class comment





Maharogi Sewa Samiti, Warora's
ANAND NIKETAN COLLEGE

Science, Arts and Commerce

Anandwan, Warora - 442914

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**DEPARTMENT OF PHYSICS
ASSIGNMENT**

Define the following terms:

- 1 Quantum mechanics
- 2 Photon
- 3 Photoelectric effect
- 4 Emission
- 5 Wave function
- 6 Wavelength
- 7 Black body
- 8 Black body radiation
- 9 Angular frequency
- 10 Angular momentum
- 11 Linear momentum

Prepared by,
Asst. Prof. Kalyani Vitthal Atram
ANC, Warora

Last Name	First Name	Email Address	Assignment State
MOHURLE	AMOL	amolmohurle2000@gmail.com	Not done
KAWADE	ANIKET	aniketkawade3915@gmail.com	Not done
SURTEKAR	ANIRUDDHA	aniruddha042000@gmail.com	Not done
DEOTALE	ASHWINI	adeotale1701@gmail.com	Not done
Dhawale	Achal	achaldhawale0@gmail.com	Not done
Naranje	Achal	achalnaranje01@gmail.com	Not done
Pachbhai	Achal	pachbhaiachal8@gmail.com	Done
Gadhawe	Aditi	gadhaweaditi16@gmail.com	Done
Shende	Aish	aishshende14@gmail.com	Not done
Jamunkar	Aishwarya	ashujamunkar13@gmail.com	Done
matte	Aishwarya	aishwaryamatte27@gmail.com	Not done
Warutkar	Ankita	warutkarankita@gmail.com	Not done
Pusdekar	Anushri	anushripusdekar2@gmail.com	Done
Pusdekar	Anushri	anushripusdekar85@gmail.com	Not done
Gaikwad	Aparna	theaparnagaikwad21@gmail.com	Done
Shrirame	Ashwina	ashwinashrirame4@gmail.com	Not done
Dethe	Ashwini	ashwinidethe657@gmail.com	Done
Deharkar	Bhavana	bhavanadeharkar@gmail.com	Unsubmitted
naranje	Chaitali	chaitunaranje24@gmail.com	Done
Dhanorkar	Chaitanya	chaitanyadhanorkar0@gmail.com	Not done
Dhanorkar	Chaitanya	chaitanyadhanorkar4@gmail.com	Not done
Dhanorkar	Chaitanya	chaitanyadhanorkar932@gmail.com	Not done
Dhanorkar	Chaitanya	chaitanyakishordhanorkar@gmail.com	Not done
Muraskar	Chanchal	chanchalmuraskar23@gmail.com	Not done
muraskar	Chanchal	chanchalmuraskar2000@gmail.com	Not done
Parkhi	Chetan	parkhichetan16@gmail.com	Done
x	Darshan	dkhamankar671@gmail.com	Done
Kutarmare	Darshana	dkutarmare962@gmail.com	Not done
Wakde	Diksha	dikshawakde200@gmail.com	Not done
Khiratkar	Dimple	dimplekhiratkar@gmail.com	Not done
Sarpate	Durga	durgasarpate08@gmail.com	Done
	Factops	borekarchetan88@gmail.com	Returned
Kubade	Harshada	harshadakubade10@gmail.com	Not done
Gaikwad	Hiproj	hiprojgaikwad123@gmail.com	Not done
A	K	kunalaglawe2018@gmail.com	Done
Karadbuje	Kajal	kajalkaradbuje5@gmail.com	Not done
Vidhate	Kajal	kajalvidhate423@gmail.com	Not done
Chatki	Komal	kc.komal2820@gmail.com	Done
Lalsare	Komal	komallalsare7@gmail.com	Not done
Matte	Komal	komalmatte2018@gmail.com	Not done



M.Sc. 2nd YEAR sem 4
2020_2021



Instructions

Student work

ASSIGNMENT 1 : UNIT III(APPLIED ELECTRONICS-II)



Ashvini Pusdekar • May 6

Due May 10

1. Write 20 objective type question (mcq) with their options and make correct mark to your answer.
2. Send pdf format of your file .

Class comments



Add class comment...





Instructions

Student work

ASSIGNMENT 1

KALYANI ATRAM • Sep 1, 2020 (Edited Sep 2, 2020)

8 points

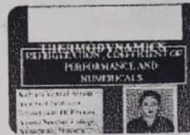
Due Sep 3, 2020, 11:59 PM

It's an assignment with grades so solve carefully.
It also has a due date so finish it within the given duration.

PPT is added for the idea of solving numericals.

ASSIGNMENT 1

Google Forms



REFRIGERATION , COEF...

PowerPoint

6 class comments

Sampada Tadas Sep 1, 2020
Ma'am 500K ahe ki degree Celsius ahe

KALYANI ATRAM Sep 1, 2020
K

SNEHA TADAS Sep 2, 2020
Ma'am 3rd question samjh nhi aaya....

SNEHA TADAS Sep 2, 2020
Kaise solve karana hai

SNEHA TADAS Sep 2, 2020
1st, 2nd, Or 3rd solve kiya
Lekin wo submit nhi ho rahe hai....

SNEHA TADAS Sep 2, 2020
Sry 4th



ASSIGNMENT 1

Subject Teacher: Kalyani Vitthal Atram

* Required

1. Email *

2. NAME *

3. A Carnot cycle engine working between source and sink of temperature at 500°K and 300°K receives 1500 cal of heat per cycle. Calculate the efficiency and work done. * 2 points

Files submitted:

4. A Carnot cycle engine whose lower temperature at sink is 27°C has efficiency of 40% . What is temperature of heat source. By how much should temperature of source be raised if η is to be made 60% ? * 2 points

Files submitted:

5. An inventor claims who have developed a engine working between 600°K and 300°K having efficiency 52% . Make your comment on his claim. * 2 points

Files submitted:

6. A Carnot engine has some efficiency between 1000°K and 500°K and between $x^{\circ}\text{K}$ and 1000°K calculate x . * 2 points

Files submitted:

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https://docs.google.com/forms/d/11qAHvUf9c_tpuYPA64ZVigNlgRNQhXaDy2JQybu0nU/edit

1/2

https://docs.google.com/forms/d/11qAHvUf9c_tpuYPA64ZVigNlgRNQhXaDy2JQybu0nU/edit

the four Maxwells Therm

classroom.google.com/c/MTE2Nzc2Mjk3NjQ2/a/MjM2MDk0MDU3OTQx/details

Gmail YouTube Maps News Translate

SC 2nd YEAR

Instructions Student work

Derive the four Maxwells Thermodynamic Relations.

KALYAN: ATRAM • Nov 24, 2020

Due Nov 25, 2020, 11:59 PM

Solve within given duration

Class comments

NUMERICAL ASSIGNMENT ON UNIT-IV : LASER

Subject Teacher: Kalyani Vitthal Atram

* Required

This content is neither created nor endorsed by Google.

Google Forms

1. Email *

2. 1*

2 points

For a red cadmium line of wavelength 6438 \AA and the coherence length 15 cm . Find coherence time. (Given $C = 3 \times 10^8 \text{ m/sec}$)

Files submitted:

3. 2*

2 points

The coherence length 30 cm for the red cadmium line of wave length is $6.438 \times 10^{-7} \text{ m}$. Calculate no. of oscillation and coherence time.

Files submitted:

4. 3*

2 points

For red cadmium line of wavelength 6438 \AA and coherence length 15 cm calculate the coherence time and spectral width of line

Files submitted:

5. 4*

2 points

For a source radiating at mean wavelength 6000 \AA , the coherence time is $2 \times 10^{-10} \text{ sec}$. Determine coherence length, l .

Files submitted:

ANAND NIKETAN COLLEGE, ANANDWAL, BHAROSA
DEPARTMENT OF PHYSICS
NUMERICAL ASSIGNMENT ON UNIT-4 : LASER
Subject Teacher: Kalyani Vithal Anam

Sl. No.	Roll No.	1	2	3	4
1	180201010001
2	180201010002
3	180201010003
4	180201010004
5	180201010005
6	180201010006
7	180201010007
8	180201010008
9	180201010009
10	180201010010
11	180201010011
12	180201010012
13	180201010013
14	180201010014
15	180201010015
16	180201010016
17	180201010017
18	180201010018
19	180201010019
20	180201010020
21	180201010021
22	180201010022
23	180201010023
24	180201010024
25	180201010025
26	180201010026
27	180201010027
28	180201010028
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48	180201010048
49	180201010049
50	180201010050

Sl. No.	Roll No.	1	2	3	4
51	180201010051
52	180201010052
53	180201010053
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56	180201010056
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99	180201010099
100	180201010100

ANAND NIKETAN COLLEGE, ANANDWAL, BHAROSA
DEPARTMENT OF PHYSICS
NUMERICAL ASSIGNMENT ON UNIT-4 : LASER
Subject Teacher: Kalyani Vithal Anam

Sl. No.	Roll No.	1	2	3	4
101	180201010101
102	180201010102
103	180201010103
104	180201010104
105	180201010105
106	180201010106
107	180201010107
108	180201010108
109	180201010109
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147	180201010147
148	180201010148
149	180201010149
150	180201010150



Maharogi Sewa Samiti, Warora's
ANAND NIKETAN COLLEGE

Science, Arts and Commerce
Anandwan, Warora - 442914

Re-Accredited With 'B++' Grade By NAAC



Department of Physics in association with IQAC
Organizing

National Level Knowledge Sharing Program on

DIELECTRIC MATERIALS & ITS APPLICATIONS

Saturday 19/06/2021 | Time: 10.00 am to 11.30 am.



Speaker

Dr. Ashish Selokar

M.Sc.(Physics), M.Tech(Material Science)

Ph.D.(From IIT, Roorkee), Post Doc.(IIT, Roorkee)

Assistant Professor, Department of Physics,

M. Z. Mahavidyalaya, Desaijanj (Wadsa).

Registration Link: <https://forms.gle/DbUmTYytBVRFB4wr6>

Contact: 9175786330



Estd. June 20, 1964

E-mail ID. principal.anc@anandwan.in
College Website : www.ancedu.in

Maharogi Sewa Samiti, Warora
ANAND NIKETAN COLLEGE, WARORA

ANANDWAN, WARORA, Dist. CHANDRAPUR - 442 914 (M.S.)
Multi faculty Junior, Under Graduate & Post Graduate Institution
(Affiliated to Gondwana University Gadchiroli)
NAAC REACCREDITED B⁺

☎ (07176) 282006

To,
Dr. Ashish Selokar
Assistant Professor
Department of Physics,
M. Z. Mahavidyalaya, Desaiganj (Wadsa).

Dear Sir

We are pleased to invite you to deliver session as a resource person in National Level Knowledge Sharing Program on "Dielectric materials & its Applications" for the Students of UG and PG on Saturday 19/06/2021 from 10.00 am to 11.30am.

This session definitely will be of great benefit to the Students of this institution.
Kindly accept the invitation.

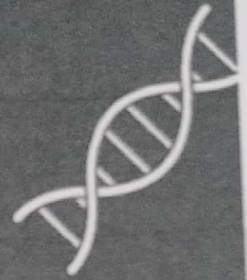
With regards,

Principal
Anand Niketan College, Warora.

Maharogji Sewa Samiti, Warora's
ANAND NIKETAN COLLEGE
ANANDWAN, WARORA

Department of Zoology
in association with IQAC

Organizing A National Level Webinar on



MOLECULAR MODELING IN BIOLOGICAL SCIENCES



Guest Speaker

Dr. Bajrang Kumbhar

M.Sc. Ph.D.

Post-Doc : IIT Bombay

Ph.D. : Shivaji University, Kolhapur

Principal

Dr. M.C. Kale

Prof. & Head

Dr. A. P. Sawane

IQAC Coordinator

Dr. G. K. Singh

Convener

Dr. R. R. Kamdi

THURSDAY, FEBRUARY

18, 2021

AT 11 AM

ON GOOGLE MEET

Coordinators

Dr. Sanyogita Verma

Mr. Hemant Parchake

Mr. Tilak Dhoble

Registration Link:

<https://forms.gle/Swmnhuve44EAWFW69>

Contact: anczoology@gmail.com





Maharogi Sewa Samiti, Warora

ANAND NIKETAN COLLEGE, WARORA

ANANDWAN, WARORA, Dist. CHANDRAPUR - 442 914 (M.S.)

Multi faculty Junior, Under Graduate & Post Graduate Institution

(Affiliated to Gondwana University Gadchiroli)

NAAC ACCREDITED B**

Estd. June 20, 1964

Email ID. principal.anc@anandwan.in

College Website : www.ancedu.in

(O) (07176) 282006

Office of the Principal,

No. ANC/ Admn/2021/1158

Date: 15/02/2021

To,

Dr. Bajarang Kumbhar

Respected sir,

It gives immense pleasure to invite you as a resource person for conducting session on
"Molecular modeling in Biological sciences" for our Post Graduate and Research Students.

We are sure that your interactive session will definitely help us to make this Program beneficial
for our students. Your gracious presence is solicited.

Thanking you.

Date and time: 18/02/2021 at 11 am.

Venue: Online mode through Google meet platform

Dr. M.C. Kale

Principal
Anand Niketan College
Warora

meet.google.com/dny-jcyf-svb

Meeting details

People (67)

Chat

Save attendants

Add people

IN CALL

- ANC Zoology (You)
- ACHAL RAJURKAR
- AKASH DADMAL
- AKSHAY GAWADE

Meeting details ^

Old Class Lists BU [...].txt

Type here to search

meet.google.com/dny-jcyf-svb

Bajarang Kumbhar is presenting

ACHAL RAJURK... and 55 more

11:50 AM

Molecular Modelling

- **Molecular modelling** encompasses all methods, theoretical and computational, used to model or mimic the behavior of molecules.
- The methods are used in the fields of computational chemistry, protein modeling, drug design, and material science.
- **Protein structure prediction** (Homology modeling)
- **Molecular Docking** (Binding mode of interaction)
- **Structure based drug design** (Drug development)
- **Molecular Dynamics simulations** (dynamic behavior)

priyanka bharde has left the meeting

14

Meeting details ^

Turn on captions

Bajarang Kumbhar is presenting

Daily Attendance Report for molecular-modeling-webinar: 2021-02-18

Class Name: molecular-modeling-webinar Meet ID: day-jyf-576 Date: 2021-02-18 Eclat's Activity: 19:38 Start: 19:38 End: 12:39 Duration: 121 min

133 Names (0 Absent) *	19:38	19:39	19:40	19:41	19:42	19:43	19:44	19:45	19:46	19:47	19:48	19:49	19:50	19:51	19:52	19:53	19:54	19:55	19:56	19:57	19:58	19:59	20:00
Ernest Anand																							
Mona Anand																							
Kalyani Anand																							
Pooja Baddiswar																							
Sakshi Baskar																							
Shital Baskar																							
Pranav Ban																							
Vishal Ban																							
De Pratik Baskar																							
Deepak Bannod																							
Prashant Bannod																							
Kiran Baskar																							
Sagar Baskar																							
Hina Bhagade																							
Charish Bhalani																							
Lina Bhanekar																							
Priyanka Bhanekar																							
Monal Bhanekar																							
Mehar Bhanekar																							
Nisha Bhanekar																							
Priyanka Chaudhary																							
Sparsh Singh Chaudhary																							
Dr. Ashish Chavan																							
Madhavi Chaudhary																							

Manarogi Sewa Samiti, Warora's
ANAND NIKETAN COLLEGE
ANANDWAN, WARORA
Department of Zoology
in association with Nature Club



CELEBRATING



- 1. Installation of Water Pots for Birds in College Campus**
- 2. Hands-on training for Bird House Preparation**

Principal

Dr. M. C. Kale

Head

Prof. A. P. Sawane

Convener

Mr. T. A. Dhoble

Coordinator

Mr. H. B. Parchake

Notice

All students are hereby informed that Department of Zoology in association with Nature Club is celebrating World Sparrow Day on 20th March, 2021. On this occasion, water pots for birds will be installed at various places in college campus. Hands-on training for bird house preparation will be given to students. All students are requested to present at 10 AM.

Date: 17th March 2021

सूचना

सर्व विद्यार्थ्यांना कळविण्यात येत आहे की प्राणीशास्त्र विभाग व निसर्ग मंडळ 20 मार्च 2021 रोजी जागतिक चिमणी दिन साजरा करित आहे. या निमित्ताने महाविद्यालय परिसरात विविध ठिकाणी पक्ष्यांसाठी पाण्याची भांडी ठेवण्यात येईल. तसेच पक्षी घरटे बनविण्याचे प्रशिक्षण देण्यात येईल. सर्व विद्यार्थ्यांनी सकाळी १० वाजता उपस्थित राहावे.

दिनांक: १७ मार्च २०२१



NH353E, Helen Kelar Nagar, Warora, Maharashtra 442907, India

Warora
Maharashtra
India

2021-03-20(Sat) 09:41(am)

30°C
86°F



MH SH 264, Vivekanand Colony, Warora, Maharashtra 442907, India

Warora
Maharashtra
India



30°C
86°F

2021-03-20(Sat) 09:56(am)

World Sparrow Day
Department of Zoology

Nature Club

Date: 26/03/2021

<u>Name of students</u>	<u>Mob.no</u>	<u>Class</u>	<u>Signature</u>
1) Payal Prakash Baddilwar	8626028363	M.Sc II Zoology	<u>Payal Baddilwar</u>
2) Anjali Sunil Godbole	8857869413	M.Sc II Zoology	<u>Anjali</u>
3) Rumal Pramod Shasra	8600069151	M.Sc II Zoology	<u>Rumal</u>
4) Vaishnavi Pravin Lohakare	9881159741	B.Sc II Zoology	<u>Vaishnavi Lohakare</u>
5) Sakshi Gajanan Lonbale	9934299236	B.Sc II CBZ	<u>Sakshi</u>
6) Padma Shankar Kankabandekar	9322159024	B.A. I	<u>Padma</u>
7) Shubhangi Ashok Gate	7498145809	B.Sc II nd year (CBZ)	<u>Shubhangi</u>
8) Sushana S. Kutarmare	8237560010	B.Sc III rd year (PEM)	<u>Sushana</u>
9) Kavari D. Ekare	7944802221	B.Sc I st yr (CBZ)	<u>Kavari</u>
10) Klean D. Pimpalkar	9922371289	M.A. II year	<u>Klean</u>
11) Prashant Ramesh Lonikar	8180831785	M.A I year	<u>Prashant</u>
12) Harshal Dilip Doye	9309807644	B.A I year	<u>Harshal</u>
13) Kailesh M. Dighe	4503154803	B.A III	<u>Kailesh</u>
14) Hareshal G. Ichhadale	7798256234	.	<u>Hareshal</u>
15) Pratiksha G. Khirsalkar	76667981824	B.Com I	<u>Pratiksha</u>
16) Diksha M. Dhabekar	9028698099	B.Com II	<u>Diksha</u>
17) Sheetal H. Pachbhai	6380949718	M.A I	<u>Sheetal</u>
18) Annapurna Warbhe	7057553293	M.A. I	<u>Annapurna</u>
19) Kalyani R. Lihitkar	7219557024	M.Sc I st yr	<u>Kalyani</u>
20) Anshu G. Tute	788118469		
21) Ashwini (Pachale)	8999359273	B.Sc 3 rd year	<u>Ashwini</u>