

Janseva Foundation LoniBudruk Artsand CommerceCollege, Shendi (Bhandardara)

At.-Chichondi, Tal.-Akole, Dist.-Ahmednagar (MS) 422604 NAAC Accredited 'B+' Grade



Unipune ID- PU/AN/AC/93/2007 Email- <u>principal.acshendi@pravara.in</u> Website : <u>www.acscollegeshedi.in</u>

Sr.	Particulars	Academic Year
No.		
1	List of Certificate Courses	2023-24
2	Details of Certificate Courses	2023-24



Janseva Foundation Loni Bk's Art's And Commerce College, Shendi(Bhandardara)-422604 Tal.Akole, Dist. Ahmednagar,



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> List of Certificate Courses Academic Year 2023-24

Sr. No.	Name of Add on/Certificate Programs offered	Course Code	Year of offering
1	Soil and Water Analysis	B SWA 01	2023-24
2	Hindi Patrakarata	H HP 01	2023-24
3	Travel and Tourism	G TT 01	2023-24
4	Energy conservation	P EC 01	2023-24
5	Introduction of GIS	G IG 02	2023-24



Janseva Foundation Loni Bk's Art's And Commerce College, Shendi(Bhandardara)-422604 Tal.Akole, Dist. Ahmednagar,

Certificate Course in "Soil and Water Analysis" Year 2023-24



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Date: 24 /09 /2023

To,

The Principal, Arts and Commerce College, Shendi. Tal- Akole, Dist- A. Nagar.

Subject: Permission to start certificate course.

Respected Sir,

With reference to above subject the Department of Chemistry start "A Certificate course of Soil and Water Analysis" for all students from various faculties who are interested in the field of agrochemicals and requiring a skill based knowledge for self-employment. The syllabus for the course is based on the subject of Chemistry.

You are requested to sanction permission to start this course in the academic year 2022-23. Thank you,

Yours Sincerely,

Dept. Of Chemistry

Arts And Commerce College, Shendi Tal.Akole, Dist Ahmednagar

(

Mr. Langhi.G.G)

Janseva Foundation LoniBudruks Arts & Commerce College, Shendi

DEPARTMENT OF CHEMISTRY

"A Certificate Course in Soil and Water Analysis"

Year: 2023-24 (Admitted Student List)

Sr.no	Name of Students	Class	Gender
1	BhoirKavitalaxman	FYBSC	FEMALE
2	Bhangare Prasad Vasant	FYBSC	MALE
3	Gaikwad Roshan Datta	FYBSC	MALE
4	FodasePratikshaBalu	FYBSC	FEMALE
5	GhodeVarshaSakharam	FYBSC	FEMALE
6	Ghorapade Ashwini Popat	FYBSC	FEMALE
7	KhadeBhauraoBalu	FYBSC	MALE
8	GondakeRupaliPramod	FYBSC	FEMALE
9	KhadeSakshiBhaskar	FYBSC	FEMALE
10	Lote Anita Dhondu	FYBSC	FEMALE
11	Mandave Saniya Dagadu	FYBSC	FEMALE
12	PabalkarBhagyshriUttam	FYBSC	FEMALE
13	Sonavane Kshitija Khandu	FYBSC	FEMALE
14	TalpeAkankshaEkanath	FYBSC	FEMALE
15	Mali MayurDnyaneshwar	FYBSC	MALE
16	Jagtap Vishal Shankar	FYBSC	MALE
17	GhaneRohitKhandu	FYBSC	MALE
18	BambalePayalMachindra	FYBSC	FEMALE
19	BhangreTusharMaruti	FYBSC	MALE
20	DhongadeSampada Santosh	FYBSC	FEMALE

Dept. Of Chemistry

Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist Ahmednagar



Те	acher Name : Ast prof Lounghi G.G.	Student Attendance		
No	Name of the Student			
1	Lote Anita Dhondy			
2	Gondake Rupali	ponteta Konteta Konteta Konteta Konteta Ponteta Ponteta Ponteta	periotec Bendara Bendara Pendara Rendara Rendara	Bendake Bendake Bendake Bendake
3	Bhoir Kavita Larman 200	And	Port of the second	And the state
4	Ghospade Ashvini + + + + + + + + + + + + + + + + + +			
5	Gaikwad Roshan	The second		And the second s
6	Sonawane (shit) a the the		1 2 2 2 2 3 3 3 3 2 2 2 2 2 2 2 2 2 2 2	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
7	Ghode Varsho 244	A marked and a marked	Hard Hard	All
8	Pratilasha Balu	10000000000000000000000000000000000000	And the second sec	And a stand
9	Pabalkot Bhagy-	And a set of the set o	Contraction of the second	e e e e e e
. 10	Bhangase Prasud program	Harris Contraction	Zurangen Reference Ruckengen Ruckengen Ruckengen Ruckengen Ruckengen	Latury Blanger Besharger Besharger Blanger Kitanger

Janseva Foundation LoniBudruks Arts & Commerce College, Shendi DEPARTMENT OF CHEMISTRY

"A Certificate Course in Soil and Water Analysis"

2023-24

Aims Objectives of the Course:-

- 1. Students will be able to grasp the knowledge of soil and water testing.
- 2. Students will gain knowledge of Micro and Macro nutrients.
- 3. Students will be able to carry out soil and water analysis in laboratory.

Syllabus Designing Instructions:-

This course lasts three months which include two theory lectures and one practical per week and contains the following activities:

- A. Theory classes
- B. Field visit
- C. Assignment
- D. Practical

A) Theory details: Chapter 1: Analysis of soil	Hours	
Introduction to soil analysis		5
 Types of soil Soil pollutants Importance of soil analysis Parameters of soil analysis Applications of soil analysis Chapter 2: Analysis of water 		
 Introduction to water analysis Types of water Water pollutants Importance of water analysis Parameter of water analysis 		10

• Application of water analysis

B) Field visit:

During the course time department will arrange field visit to nearby soil water analysis laboratory.

C) Assignment:

Students will be given assignments regarding soil and water analysis.

D) Practical:

Soil Analysis

- 1) To determine pH of given soil sample.
- 2) To determine pH of given water sample.
- 3) To determine salinity/ Alkalinity of given soil sample.
- 4) To determine salinity/ Alkalinity of given water sample.
- 5) To determine hardness of water.
- 6) To determine TDS of given sample of water.
- 7) To determine Mg content in soil analysis.
- 8) To determine Mg content in Water analysis.
- 9) To determine Ca content in soil sample.
- 10) To determine Ca content in water sample.
- 11) To determine the EC of soil sample.
- 12) To determine the EC of water sample.
- 13) To determine carbon content of soil sample.

Dept. Of Chemistry

Dept. Of Cifemistry Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist Ahmednagar

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Date:26/09/2023

Notice DEPARTMENT OF CHEMISTRY

All the students of Arts and Commerce College, Shendi are informed that, the admission for the "A Certificate Course in Soil and Water Analysis" are open for the academic year 2023-24. The students willing to admit for this course should immediately contact Mrs. Langhi G.G on or before Saturday, 26thSep 2023. Students approaching thereafter shall not be considered for the admission to the course.

Dept. Of anseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal Akole, Dist Ahmednagar

Janseva Foundation LoniBudruks Arts & Commerce College, Shendi

DEPARTMENT OF CHEMISTRY

Theory question paper

A Certificate Course on Soil and Water Analysis

Year : 2023-24 Time:2 hr Date :Marks : 50 M (NOTE : All questions are compulsory) Q.1) Choose the correct option from the following. 1. The water content of a soil sample cannot be determined by ------ method. a) Oven drying b) alcohol c) calcium carbide d) pipette 2. In oven drying method, the soil sample is kept for about----- hours in the oven. a) 1 b)2 c) 24 d) 48 3. An organic soil sample is kept in oven for its water content determination. The temperature preferred is ----c) 105° a) 60° b) 80° d) 110^{0} 4. ----- method is specially suited to a circumstance where water content is to be quickly determined for the purpose of proper field control. b) Sand bath d) Calcium carbide a) oven drying c) Alcohol 5. In pycnometer method of water content determination, it is necessary to accurately know the specific gravity G of soil whose water content is determined. a) True b) False 6. An oven – dried soil of mass 400g is placed in a pycnometer where empty weight is 573g. Th mass of pycnometer with soil is 973g. The total mass of pycnometer with water and soil inside is 160g. The pycnometer filled with water alone has mass of 1480. The specific gravity of solids is 2.65. its water content is -----a) 40.456 b) 46.504 c) 23.236 d) 6.423 7. In calcium carbide method, the gas produced is-----a) Methane b) carbon dioxide c) acetylene d) oxygen 8. The water content of soil deposit in the in-situ condition is determinate by------ method. a) Radiation c) calcium carbide b) pycnometer d) oven-dry 9. Which one is lower category for classification of soil? a) soil order b) family c) soil series d) none of above 10. Which clay mineral is responsible for cracking in black soil? a) Kaolinite b) llite c) vermiculite d) Montmorillonite 11. Apatite is a group of minerals which mainly contains:

a) Sulphur b) Phosphorus c) Nitrogen d) Titanium

12. pH meter measures:

a) H ions activ	vity	b) H ions	s concentrat	ion	c)Al io	ns d) All of the above
13. EC (Elect	rical co	nductivit	ty) meter m	easures:		
a) Total salt in	soil	b) Solub	le salt in soi	l c) Both th	he salt	d)None of the above
14. The unit u	ised for	• the mea	surement o	f electrical cond	ductivity	/ is
a) ds/m	b) us/c	m c) mg/m	d) Both a) and	b)	
15. Olsen met	hod is	used pho	sphorus est	imation in:		
a) Acidic soil	b) Neu	tral to alk	cali c) soi	l saline soil		d) All of the above
16. Which me	ethod is	used for	determina	tion of available	e phospl	orus in acid soil?
a) Bray	b) Olse	en c) Walkley a	nd black	d) Jack	son
17. Which ins	trumer	nt is used	for the esti	mation of potas	sh (k)?	
a) Spectrophot	tometer	b) Flame	e photometer	r c) Colorimeter	r	d) Atomic absorption
18. Spectroph	otomet	er is use	d for deterr	nination of		
a) N	b) P	с) K	d) All of the al	bove	
19. Which on	e of the	followin	g plant nut	rients resistant	to disea	se and insect-pest?
a) Potassium		b) Nitrog	gen	c) Phosphorus		d) Calcium
20. The chem	ical cor	nposition	n of waste w	ater naturally r	reflects	the origin from which it came.
a) True	b) Fals	e				
21. The world	l's avai	lable fres	sh water su	pply is about	per	cent of that total water supply.
a) 10	b) 4	c) 3	d) 7		
22. Which of	the foll	owing re	lated to the	aerobic organic	c matter	· is true?
a) Essential nu	itrients t	for growt	h	b) Dev	elopmen	t of sludge deposits
c) Growth of u	indesira	ble aquat	ic life	d) Developme	nt of sep	tic condition
23	tend to	resist co	nventional	method of wast	ewater	treatment.
a) Suspended	solids	b) Nutrie	ents c) Re	fractory organics	5	d) Priority pollutants
24. The quali	ty of th	e fish hal	bitat begins	to increase whe	en the d	issolved oxygen concentration
drops below 4	l or 5 m	ng L-1.				
a) True	b) Fals	e				
25. Organic n	natter +	- nutrien	$ts + \Theta_2$	$CO_2 + H_2O + -$		
a) Biomass	b) (\mathbf{D}_2	c) Nutrients	s d) Organic ma	tter	

Best of Luck

Janseva Foundation LoniBudruk Arts & Commerce College, Shendi

DEPARTMENT OF CHEMISTRY

Specimen Answer Sheet

A Certificate Course on Soil and Water Analysis

Year : 2023-24

Time:2 hrMarks: 50 M (NOTE : All questions are compulsory) Q.1) Choose the correct option from the following. 1. The water content of a soil sample cannot be determined by ------ method. b) alcohol c) calcium carbide a) Oven drying d) pipette Answer: d 2. In oven drying method, the soil sample is kept for about------ hours in the oven. b)2 c) 24 d) 48 a) 1 Answer: c 3. An organic soil sample is kept in oven for its water content determination. The temperature preferred is ----b) 80° c) 105° a) 60° d) 110^{0} Answer: a 4. ----- method is specially suited to a circumstance where water content is to be quickly determined for the purpose of proper field control. a) oven drying b) Sand bath c) Alcohol d) Calcium carbide Answer: d 5. In pycnometer method of water content determination, it is necessary to accurately know the specific gravity G of soil whose water content is determined. a) True b) False Answer: a 6. An oven – dried soil of mass 400g is placed in a pycnometer where empty weight is 573g. Th mass of pycnometer with soil is 973g. The total mass of pycnometer with water and soil inside is 160g. The pycnometer filled with water alone has mass of 1480. The specific gravity of solids is 2.65. its water content is -----a) 40.456 b) 46.504 d) 6.423 c) 23.236 Answer: b 7. In calcium carbide method, the gas produced is-----b) carbon dioxide c) acetylene a) Methane d) oxygen Answer: c 8. The water content of soil deposit in the in-situ condition is determinate by------ method. d) oven-dry a) Radiation b) pycnometer c) calcium carbide Answer: a 9. Which one is lower category for classification of soil? b) family c) soil series d) none of above a) soil order Answer: c 10. Which clay mineral is responsible for cracking in black soil? a) Kaolinite b) llite c) vermiculite d) Montmorillonite Answer: d 11. Apatite is a group of minerals which mainly contains: b) Phosphorus c) Nitrogen d) Titanium a) Sulphur Answer: b 12. pH meter measures: a) H ions activity b) H ions concentration c)Al ions d) All of the above

Answer: a 13. EC (Electrical conductivity) meter measures: a) Total salt in soil b) Soluble salt in soil c) Both the salt d)None of the above Answer: b 14. The unit used for the measurement of electrical conductivity is-----a) ds/m b) us/cm c) mg/m d) Both a) and b) Answer: d 15. Olsen method is used phosphorus estimation in: a) Acidic soil b) Neutral to alkali c) soil saline soil d) All of the above Answer: b 16. Which method is used for determination of available phosphorus in acid soil? c) Walkley and black a) Bray b) Olsen d) Jackson Answer: a 17. Which instrument is used for the estimation of potash (k)? a) Spectrophotometer b) Flame photometer c) Colorimeter d) Atomic absorption Answer: b 18. Spectrophotometer is used for determination of -----a) N b) P c) K d) All of the above Answer: b 19. Which one of the following plant nutrients resistant to disease and insect-pest? b) Nitrogen c) Phosphorus d) Calcium a) Potassium Answer: a 20. The chemical composition of waste water naturally reflects the origin from which it came. a) True b) False Answer: a 21. The world's available fresh water supply is about ------ percent of that total water supply. d) 7 a) 10 b) 4 c) 3 Answer: c 22. Which of the following related to the aerobic organic matter is true? a) Essential nutrients for growth b) Development of sludge deposits c) Growth of undesirable aquatic life d) Development of septic condition Answer: d 23. ----- tend to resist conventional method of wastewater treatment. c) Refractory organics a) Suspended solids b) Nutrients d) Priority pollutants Answer: c 24. The quality of the fish habitat begins to increase when the dissolved oxygen concentration drops below 4 or 5 mg L-1. a) True b) False Answer: b **25.** Organic matter + nutrients $+\Theta_2$ CO₂+ H₂O +----a) Biomass b) O_2 c) Nutrients d) Organic matter Answer: a

A Certificate Course on Soil and Water Analysis Year: 2023-24

Mark List (Theory)

Sr.No	Name of Students	Mark out of 50 M
1	BhoirKavitalaxman	34
2	Bhangare Prasad Vasant	33
3	Gaikwad Roshan Datta	32
4	FodasePratikshaBalu	38
5	GhodeVarshaSakharam	30
6	Ghorapade Ashwini Popat	34
7	KhadeBhauraoBalu	30
8	GondakeRupaliPramod	44
9	KhadeSakshiBhaskar	30
10	Lote Anita Dhondu	40
11	Mandave Saniya Dagadu	42
12	PabalkarBhagyshriUttam	40
13	Sonavane Kshitija Khandu	40
14	TalpeAkankshaEkanath	43
15	Mali MayurDnyaneshwar	30
16	Jagtap Vishal Shankar	31
17	GhaneRohitKhandu	32
18	BambalePayalMachindra	33
19	BhangreTusharMaruti	30
20	DhongadeSampada Santosh	31

Dept. Of Chemistry Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist Ahmednagar

A Certificate Course on Soil and Water Analysis Year: 2023-24 Mark List (Practical and oral)

Sr.	Name of Student	Practical	Oral	Total
No	Name of Student	30 M	20 M	50M
1	BhoirKavitalaxman	26	18	44
2	Bhangare Prasad Vasant	24	15	39
3	Gaikwad Roshan Datta	23	14	37
4	Fodase Pratiksha Balu	24	13	37
5	GhodeVarshaSakharam	25	18	43
6	Ghorapade Ashwini Popat	22	15	37
7	KhadeBhauraoBalu	24	15	39
8	GondakeRupaliPramod	28	18	46
9	KhadeSakshiBhaskar	25	15	40
10	Lote Anita Dhondu	25	18	43
11	Mandave Saniya Dagadu	26	16	42
12	PabalkarBhagyshriUttam	22	18	40
13	Sonavane Kshitija Khandu	28	16	44
14	TalpeAkankshaEkanath	25	15	40
15	Mali MayurDnyaneshwar	25	18	43
16	Jagtap Vishal Shankar	24	16	40
17	GhaneRohitKhandu	24	10	34
18	BambalePayalMachindra	24	13	37
19	BhangreTusharMaruti	22	20	42
20	DhongadeSampada Santosh	26	20	46

H.O.D. Dept. Of Chemistry Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist Ahmednagar

"A Certificate Course on Soil and Water Analysis"

Result Analysis Year: 2023-24

Sr.No	Name of Student	Theory	Practical	Total	Grade
		Marks out of	(30+20) = 50M	100M	
		50 m			
1	BhoirKavitalaxman	34	44	78	A+
2	Bhangare Prasad Vasant	33	39	72	А
3	Gaikwad Roshan Datta	32	37	69	A
4	FodasePratikshaBalu	38	37	75	A+
5	GhodeVarshaSakharam	30	43	73	А
6	Ghorapade Ashwini Popat	34	37	71	А
7	KhadeBhauraoBalu	30	39	69	А
8	GondakeRupaliPramod	44	46	90	0
9	KhadeSakshiBhaskar	30	40	70	А
10	Lote Anita Dhondu	40	43	83	0
11	Mandave Saniya Dagadu	42	42	84	0
12	PabalkarBhagyshriUttam	40	40	80	0
13	SonavaneKshitijaKhandu	40	44	84	0
14	TalpeAkankshaEkanath	43	40	83	0
15	Mali MayurDnyaneshwar	30	43	73	А
16	Jagtap Vishal Shankar	31	40	71	А
17	GhaneRohitKhandu	32	34	66	А
18	BambalePayalMachindra	33	37	70	А
19	BhangreTusharMaruti	30	42	72	А
20	DhongadeSampada Santosh	31	46	77	A^+

H.O.D. Dept. Of Chemistry anseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist Ahmednaga

A Certificate Course on Soil and Water Analysis

Year: 2023-24

Result Analysis

Sr.No		Grada				Total	Total	Result
		Glade				Pass	Fail	
		0	A^+	А	B^+			
						20	0	100%
1	Girls	6	3	4	-			
2	Boys	00	2	5	-			

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Notice

All the students of certificate course on "A Certificate Course in Soil and Water Analysis" are hereby informed that, their passing certificates of course are received to department of chemistry, Arts and commerce college Shendi. These students are informed to collect their respective certificates from Prof.Langhi G.G on 02/01/2024

Dept. Of Chemistry Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist Ahmednagar





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"A Certificate Course on Soil and Water Analysis"

Report

Department of chemistry runs "A Certificate Course on Soil and Water Analysis" forstudents. The main objective behind starting the certificate was that the most of students belong to family with agricultural background.

Students in Tribal area are unaware about the condition of soil and water used for agriculture. By the use of excess fertilizers, insecticides, and pesticides the fertile value of soil is reduced. As a result of this the productivity of yield decreases.

The decrease in yield, financially weaken the farmer and also insufficient for county like India which has increasing trend in population. In order to make students aware of quality of soil and water used for farming, the department of chemistry undergoes soil and water analysis activity through which parameter like pH, conductivity, salinity, Do, TDS, turbidity etc. are verified. The report of such parameter is prepared. The faculty members explain the parameters and guide the students. Students of the department help in the activity by providing soil and water sample from their farms.

The department of Chemistry organizes visits to Mr. Madhe Sunil Tukaram Farm at Chichondi Village for field experience.

Dept. Of Temistry

Arts And Commerce College, Shendi Tal.Akole, Dist Ahmednagar

Certificate Course in "Hindi Patrakarata" Year 2023-24

JANSEVA FOUNATION LONI, ARTS AND COMMERCE COLLEGE, SHENDI DEPARTMENT OF HINDI 2023-2024 HINDI PATRKARITA CERTIFICATE COURSE

Sr.No.	Documents
1.	Permission Letter for starting course.
2.	Syllabus: with signature of syllabus framing Committee.
3.	Time table. Common time table, Course time table,
4.	Student list: (Student profile.)
5.	Students Notice of Commencement of the course.
6.	Student Attendance.
7.	Exam Notice.
8.	Question Paper.
9.	Specimen Answer sheet.
10.	Mark list
11.	Result Analysis.
12.	Course certificate.
13.	One page Report of the Course.

दिनांक: 01/11/2023

अनुमति पत्र

प्रति,

मा. प्राचार्य. जनसेवा फौंडेशन लोणी बुद्रुक कला व वाणिज्य महाविद्यालय शेंडी

विषयः हिंदी विषय के लिए र्हिंदी पत्रकारिता' प्रमाणपत्र कोर्स प्रारंभ करने के संदर्भ में....

महोदय,

377

उपरोक्त विषय में हम आपको सूचित करना चाहते हैं की, हमारे महाविद्यालय में हिंदी विषय के लिए हिदी पत्रकारिता के बारे में अधिक जानकारी प्राप्त करने के लिए, हम एक **'हिंदी पत्रकारिता' प्रमाणपत्र कोर्स** शुरू करना चाहते हैं, लेकिन इसके लिए हम आपसे अनुरोध करते हैं कि आप इसे शुरू करने के लिए अनुमति दे।

Smb हिंदी विभाग

डॉ. घुले एस. एम

al.		'हिंदी पत्रकारिता' पाठ्यक्रम	
इकाई		पाठ्यविषय	तासिकाए
इकाई –।		पत्रकारिता उन्द्रव और विकास	10 तासिकाए
इकाई –॥		पत्रकारिता का अर्थ, परिभाषा, महत्व, स्वरूप	10 तासिकाए
इकाई-111	-	पत्रकारिता के विविध आयाम	10 तासिकाए

अंक विभाजन- पूर्णांक :100

आंतरिक मूल्यमापन : 30 (लघुत्तरी परीक्षा 20 अंक ,स्वाध्याय 10 अंक)

मुख्य परीक्षाः 70 अंक

17

उद्देशः-

10 10

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छात्रों में पत्रकारिता के प्रती रुचि निर्माण करना। छात्रों को पत्रकारिता का उन्द्रव और विकास के बारे में जानकारी देना। छात्रों को पत्रकारिता के विविध आयाम को बारे में जानकारी देना। अध्यापन पद्धती:-व्याख्यान तथा विश्लेषण

हक-श्राव्य माध्यमों/ संगणक, इंटरनेट आदि साधनों का प्रयोग अतिथियों का व्याख्यान तथा समूह चर्चा स्वाध्याय लेखन पाठ्यक्रम उद्देश निष्पती :-

छात्रों में पत्रकारिता के प्रती रुचि निर्माण हुई।

छात्रों को पत्रकारिता का उद्भव और विकास के बारे में जानकारी मिली। छात्रों को पत्रकारिता के विविध आयाम को बारे में जानकारी मिली।

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JANSEVA FOUNATION LONI, ARTS AND COMMERCE COLLEGE, SHENDI DEPARTMENT OF HINDI 2023-2024 HINDI PATRKARITA CERTIFICATE COURSE TIME TABLE

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TIME	MONDAY	TUESDAY	WEDNESDAY	THURSEDAY	FRIDAY	SATURDAY
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то				PATRKARITA	PATRKARITA	PATRKARITA
09:30						

JANSEVA FOUNATION LONI, ARTS AND COMMERCE COLLEGE, SHENDI DEPARTMENT OF HINDI 2023-2024 HINDI PATRKARITA CERTIFICATE COURSE STUDENT PROFILE

SR.NO COURSE NUMBER OF STUDENT TOTAL GENDER OPEN OBC NT SC ST 1 HINDI MALE 0 0 0 1 13 14 PATRKARITA 0 0 FEMALE 1 0 11 10 CERTIFICATE COURSE TOTAL 25

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JANSEVA FOUNATION LONI, ARTS AND COMMERCE COLLEGE, SHENDI DEPARTMENT OF HINDI 2023-2024 HINDI PATRKARITA CERTIFICATE COURSE

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स्वाध्याय

विषयः 'हिंदी पत्रकारिता' प्रमाणपत्र कोर्स

निम्नलिखीत प्रश्नो के उत्तर लिखिए प्रूरन: 1 हिंदी पत्रकारिता का स्वरूप लिखिए ५ अंक प्रेंचन: 2 हिंदी पत्रकारिता का इतिहास लिखिए 5 अंक डॉ. घुले एस एम सहा. प्राध्यापक

अंतर्गत मूल्यमापन परीक्षा सूचना विषय: 'हिंदी पत्रकारिता'

भहाविद्यालय के कला एवं वाणिज्य शाखा के छात्रों को सूचित किया जाता हैं की हिंदी विभाग के अंतर्गत **'हिंदी** पत्रकारिता' प्रमाणपत्र कोर्स की अंतर्गत मूल्यमापन परीक्षा 19/12/2023 को आयोजित कि है. सभी छात्रों को परीक्षा के किए उपस्थित रहना अनिवार्य है।

एस एम डॉ. घुले सहा. प्राध्यापक ·

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दिनांक: 30/12/2023

कोर्स पूर्ती अहवाल

जनसेवा फौंडेशन लोणी बुद्रुक कला व वाणिज्य महाविद्यालय शेंडी हिंदी विभाग के अंतर्गत 'हिंदी पत्रकारिता प्रमाणपत्र कोर्स' की शुरूवात 20/11/2023 को की, इस कोर्स में छात्रों ने पुरे हर्ष के साथ प्रवेश किया। और कामयाबी हासिल की। हिंदी विभाग कि सहाय्यक प्राध्यापक डॉ. घुले एस.एम इन्होंने कोर्स पढाया। इस कोर्स में कुल 25 छात्र थे। 30/12/2023 को कोर्स सफलतापूर्वक पुरा हो गया।

डाँ. शीला घुले

सहायक प्राध्यापक
Certificate Course in "Travel Tourism" Year 2023-24

Janseva Foundation Loni Budruk Arts &Commerce College Shendi, Tal.Akole, Dist.Ahmednagar DEPARTMENT OF GEOGRAPHY

	Year: 20	23-24 (A)	dmitted S	tudent L	(IST)
Sr.no.	Student Name	Class	Gender	Cast	Contact No.
1	Khade Gangaram	SYBA	Male	ST	7038580271
2	Rongate Chandan	SYBA	Male	ST	9145469491
3	Zade Chandar Rajaram	SYBA	Male	ST	7588779660
4	Bande Rohit Dashrath	SYBA	Male	ST	8551098471
5	Jakhere Pavan Prabhakar	TYBA	Male	ST	7796324396
6	Kartule Swapnali Nadu	TYBA	Female	ST	7588539081
7	Kartule Shashikala Kundalik	TYBA	Female	ST	8850283663
8	Khade Ashwini Nivrutti	TYBA	Female	ST	9923381347
9	Khade Anita Maruti	TYBA	Female	ST	9764421895
10	Khade Kavita Popat	TYBA	Female	ST	7620519104
11	Khade Bhorabai Goga	TYBA	Female	ST	9075172732
12	Kokatare priyanka Bhaskar	TYBA	Female	ST	9420605440
13	Navale Bhaurav Sopan	TYBA	Male	ST	7219302813
14	Pichad Nikita Budha	TYBA	Female	ST	7249042892
15	Sagbhor Disha Dattu	TYBA	Female	ST	9689634252
16	Shene Tushar Kacharu	TYBA	Male	ST	7823033041
17	Asawale Ajay Nivrutti	TYBA	Male	ST	9405943618
18	Bande Madhav Dattu	TYBA	Male	ST	9518506490
.19	Dhadwad kamal Popat	TYBA	Female	ST	9322728321
20	Ghode Rupali Balu	TYBA	Female	ST	9657190419

A Certificate course introduce Travel and Tourism

Head

H.O.D. Dept. Of Geography Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmedriagar.

Sr.no	Торіс	Sub-Topic	Periods
1	Introduction To	1.Basic Concept :Travel &Tourism	05
	Travel & tourism	2.Types of Tourism	
	8	3.types Of transportation	
2	Lokal Tourism	1.Concept & need of Local Tourism	05
		2. Introduction to local tourist places	
3	Tour Planing & Skill	1.Basic Skill:Communication,Time	10
	development	Manegement, computer Operating, Online	
	-	Booking, net Banking, collection Booking	
		&Ticket etc.	
	1	2.Framing the tour plan :Budget,Duration	
		Insurance Route & Other Requirment for	
÷.,		individual Family, Group & mass level	
		Tourism	
4	Project Work & Visit	One Short tour & preparation of tour	10
	to Tourist Place	Report	

SYLLABUS Subject: Introduction of Travel & Tourism

H.O.D. Dept. Of Geography Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmednagar.

Sr.No.	Student Name	Test	Project	Total
		Marks50	50	Marks
				100
1	Khade Gangaram	32	34	64
2	Rongate Chandan	30	32	62
3	Zade Chandar Rajaram	34	36	70
4	Bande Rohit Dashrath	36	40	76
5	Jakhere Pavan Prabhakar	42	44	86
6	Kartule Swapnali Nadu	30	30	60
7	Kartule Shashikala Kundalik	34	35	69
8	Khade Ashwini Nivrutti	40	42	82
9	Khade Anita Maruti	40	42	82
10	Khade Kavita Popat	38	40	78
11	Khade Bhorabai Goga	38	40	78
12	Kokatare priyanka Bhaskar	36	38	74
13	Navale Bhaurav Sopan	30	34	64
14	Pichad Nikita Budha	44	46	90
15	Sagbhor Disha Dattu	44	44	88
16	Shene Tushar Kacharu	36	34	70
17	Asawale Ajay Nivrutti	30	35	65
18	Bande Madhav Dattu	32	36	68
19	Dhadwad kamal Popat	34	35	69
20-	Ghode Rupali Balu	34	40	74

A Certificate Course in Travel and Tourism Result (2023-24)

Head H.O.D. Dept. Of Geography Janseva Foundation Loni Budruks Arts And Commerce College, Shendl Tal.Akole, Dist.Ahmednagar.

A Certificate Course introduce in Travel and Tourism

Sr.No	Year	Num	ber of St	udents					
1	2023-	Gender	Open	OBC	SC	ST	NT	SEBC	Total
	24	Male	00	00	00	09	00	00	09
-		Female	00	00	00	11	00	00	11

Summery

Total students =20

Head

H.O.D. Dept. Of Geography Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmednagar. Janseva Foundation Loni Budruks Arts and Commerce College Shendi , Tal- Akole, Dist- Ahmednagar ていうこう アロッピー ペロー アッシン 2023-2023ち Student Attendance

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Janseva Foundation Loni Budruks Arts 🌑 Commerce College Shendi , Tal- Akole, Dist- Jimednagar Subjed こりょうのよう ついよういか

Student Attendance

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Certificate Course in "Energy conservation" Year 2023-24 प्रति,

मा. प्राचार्य,

जनसेवा फौंडेशन लोणी बुद्रुक संचलित कला व वाणिज्य महाविद्यालय, शेंडी

ता. अकोले,जि. अहमदनगर

विषय : भौतिकशास्त्र विषयाकरिता Energy Conservation प्रमाणपत्र अभ्यासक्रम सुरु करणे बाबत

मा. महोदय

उपरोक्तविषयान्वये आपणास कळवू इच्छितो कि, आपल्या महाविद्यालयात विद्यार्थ्यांना भौतिकशास्त्र विषयाकरिता Energy Conservation विषयी अधिक माहिती मिळावी या करिता Energy Conservation प्रमाणपत्र अभ्यासक्रम सुरु करण्याचा मानस आहे, तरी त्याकरिता आपल्या परवानगी ने आपल्या महाविद्यालयात सदर प्रमाणपत्र अभ्यासक्रम सुरु करण्याकरिता परवानगी मिळावी हि नम्र विनंती.

कळावे,

आपली विश्वासू

Arts And Commerce Tal.Akole, Dist.Ahmednagt

Janseva Foundation Loni Budruk

Arts and Commerce College, Shendi

Department of Physics

2023-24

"Certificate Course in Energy Conservation" Syllabus

Learning Objective:

- Students Can Define energy and list several potential energy source.
- Explain how fossils developed and how they are extracted from the earth.
- Explain in simple terms, how uranium produces energy.
- List at least one advantage and one disadvantage of each of the following: Oil, natural gas, coal, solar power, wind energy, and hydroelectric power.
- Define the fossil fuel age and list the energy sources that made it possible.
- Describe the outlook for fossil fuel availability in the next century.
- Identify potential source of future energy and describe their present limitation.

Hours

10

1. Energy:

Energy and its source – Energy, Fossil fuels, Nuclear power, Solar energy, wind energy, Hydroelectric power, Evaluating energy source, Measuring energy

- Energy Crisis History of energy use, Fossils Fuel reserves, Alternative and synthetic fuels, Gas and oil from coal, Nuclear fuels, Geothermal energy, Biomass
- Energy Consumption and loss Using fuel to generate electricity, Energy loss, Effects of climate on energy use, Degree-days, Cost of saving energy, ROI and payback period.
- Surveying Electrical Consumption Identifying electricity consumers, Determining system efficiency, Consumption, Meter selection.

2. Introduction to Renewable and Solar Energy

- Renewable Energy and its prospects various RE sources
- Introduction to solar energy and solar Radiation. Its importance, Differentiate solar PV and solar thermal energy.
- Solar Resource Measurement, Instrumentation and its applications.

3. Introduction of Photovoltaic Technology and its applications

- Basics of Light to Energy Conservation
- Physics of energy conservation in solar cell (current and voltage)
- Understanding basic terminologies of a PV cell (I-V curve, Efficiency, FF)
- Solar cells to module, module name plate specification,
- Module to array and basic structure of PV module
- Factors affecting output of a PV module (Temperature, Irradiance, Tilt angle, cell area shadowing, Dust mismatch, PV mismatch, PV module configurations, MPPT operation etc)
- Different configurations of PV Power system: stand along, Grid, Hybrid system etc.

Dept. Of Physics Janseva Foundation Loni Budruks Arts And Commerce College,Stendi Tal.Akole, Dist.Ahmednagar.

10

Janseva Foundation Loni Budruks

Arts and Commerce College, Shendi

Certificate Course Time Table

2023-24

Time	Monday	Tuesday	Wednesday	Thurseday	Friday	Saturday
08:00 To 09:00						
08:30 To 9:30	Energy Conservation	Energy Conservation	Energy Conservation			
12:30 То 01:30						
2:10 To 03:10						

1.0.D.

Dept. Of Physics Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmednagar.

Arts Unipune ID- PU//	Janseva Foundation Loni Budruks & Commerce College, Shendi Tal-Akole, Dist-Ahmednagar Pin-422604 'AN/AC/93/2007 Email- principal.acshendi@pravara.in
Ad Application No.	Inission Form 23-24 Date:
Name of Student: Sabale Adest	h
Address Village Adasane	Post. Ada. Sooc
Tal Igatpur	DistNashi k
Pin Code	Mob No. 9.588.480565
Gender - Male/ Fernale	
College Name Azts & Compere	e college shead:
Name Of The Cert Course PDPortul	(00 semiation
Caurant Class EV OSC	. <u></u>
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Previous Year Qualification:	Yes No
Previous Year Qualification: S.S.C+	Yes No
Previous Year Qualification: S.S.C - H.S.C.	Yes No
Previous Year Qualification: S.S.C H.S.C. F. Y. B. Sc. /B.A/ B.Com	Yes No

EN.





Janseva Foundation Loni Budruks Arts & Commerce College, Shendi

At-Chichondi, Tal-Akole, Dist-Ahmednagar Pin-422604

Unipune ID- PU/AN/AC/93/2007

Email- principal.acshendi@pravara.in

Date: 31/08/2023

Notice

DEPARTMENT OF Physics

All the students of Arts, Science and Commerce College, Shendi are informed that, the admission for the "A Certificate Course in energy conservation" are open for the academic year 2022-23. The students willing to admit for this course should immediately contact Mss. Potkule V.H on or before Saturday, 4th september 2023. Students approaching thereafter shall not be considered for the admission to the course.

Dept. Of Physics Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmednagar.

Janseva Foundation Loni Budruk

Arts and Commerce College, Shendi

Department of Physics

2023-24

"Certificate Course in Energy Conservation" Student List – 2022-23

Sr.No	Name of the Students
1	SABALE ADESH SANJAY
2	SONAWANE KSHITIJA KHANDU
3	SAGBHOR SANJIVANI KALU
4	TALAPE AKANKSHA EKNATH
5	SUKATE SAGAR MACHHINDRA
6	PAWAR GAURI RAVINDRA
7	BHOIR ROHAN JAGANNATH
8	GHORPADE ASHWINI POPAT
9	JAGTAP VISHAL SHANKAR
10	MALI MAYUR DNYANESHWAR
11	KACHARE VISHNU RAMDAS
12	MAHALE SANJAY DAGADU
13	PABALKAR BHAGYASHRI UTTAM

Dept. Of Physics Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmednagar.

Janseva Foundation Loni Budruks Arts and Commerce College Shendi , Tal- Akole, Dist- Ahmednagar

2023 - 2024 Student Attendance

-

Teacher Name: MS. Potkule V.H.

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Janseva Foundation Loni Budruks Arts and Commerce College Shendi , Tal- Akole, Dist- Ahmednagar

2023- 2024-Student Attendance

Teacher Name: Potkule U.H.

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Janseva Foundation Loni Budruks Arts & Commerce College, Shendi

At-Chichondi, Tal-Akole, Dist-Ahmednagar

Pin-422604

Unipune ID- PU/AN/AC/93/2007

Email- principal.acshendi@pravara.in

Date 30/11/2023

Department of Physics

Student Notice

All students of Certificate Course are hereby informed that your examination is held on 1/12/2023 at 10.00 am to 12.00 pm. you should be present fifteen minutes before

Janseva Foundation Lom Budrun Janseva Foundation Collese, Shan Arts And Commerce Collese, Shan Arts Tal. Akole, Dist. Ahmednagar. Janseva Foundation

Janseva Foundation Loni Budruk

Arts and Commerce College, Shendi

Department of Physics

2023-24

Theory question paper

"Certificate Course in Energy Conservation"

Year: 2023-24

Date:

Marks: 50 M

(NOTE: All questions are compulsory)

Q.1 The total energy of an isolated system

a) Cannot change

Time: 2 hr

- b) Can only increase
- c) May increase or decrease depending the nature of the system
- d) Can only decrease

Q.2 when the velocity of an aero plane is doubled, the momentum

- a) Remain unchanged
- b) Is conserved
- c) Becomes zero
- d) Increases uniformly

Q.3 which of the following is a conventional of generating electrical energy?

a) Tidal power b) wind power c) thermal power d) solar power

Q.4 Which of the following types of solar thermal collector is used to heat swimming

pools

- a) Low temperature collector
- b) Medium temperature collector
- c) High temperature collector
- d) any of the above

Q.5 The mean sun does move at a uniform speed but otherwise requires the same time as the real sun to complete one orbit of the earth, this time being

- a) The tropical year
- b) The leap year
- c) The Julian calendar year
- d) The Gregorian calendar year

Q.6 When the momentum of a body is doubled, its kinetic energy.....

- a) Remains the same
- b) Drops to zero
- c) Becomes four times its initial kinetic energy
- d) Becomes ten times its kinetic energy

Q.7 Gravitational potential energy is converted into the electrical energy in......

- a) Hydroelectric power point
- b) Thermal power plant
- c) Wind mill
- d) Geothermal energy

Q.8 The correct sequence of energy transfer that occurs when a bullet is shot upward and then stated falling down at some point because of gravitational force.

- a) Gravitational potential energy Chemical potential energy Kinetic energy
- b) Kinetic energy Chemical potential energy kinetic energy Gravitational potential energy
- c) Chemical potential energy Kinetic energy Gravitational potential —> energy Kinetic energy
- d) Kinetic energy Kinetic energy Gravitational potential energy
 Chemical potential energy

Q. 9 in a wind turbine, if the velocity of wind is doubled, within the operating rang, the power output will be

- a) Six times b) eight times c) double d) reduced to half
- Q.10 What does the area under the load curve represent?
 - a) System voltage b) current c) energy generated d) maximum demand
- Q.11 An instrument used for measuring total solar radiation is called
 - a) Hygrometer b) pyranometer c) anemometerd) pyrheliometer

a) Mono crystalline	b) po	lycrystalline germaniu	m
c) thin film	d)	polycrystalline silicon	
O 13 Solar process heating	systems are designed	d to provide large qua	antities of
for buildings	systems are designed	a to brother mile 4-	
a) Hot water residential			
b) Space heating, nonresi	idential		
c) Hot water or space her	ating, residential		
d) Hot water or space her	ating nonresidential		
O. 14	devices in the form (of thin films.	
a) Cadmium telluroide	b) cadmium	oxide	
c) cadmium sulphide	c) cadmium	sulphate	
0.15 The top layer of the se	miconductor in the	solar cell is also calle	d as
a) p-type b) n-ty	pe c) pn	p-type d) all	of the above
O. 16 The current density o	f a photo voltaic cel	l ranges from	
a) 10-20 mA/Cm ²	b) 40-50 mA/Cm ²	c) 20-40 mA/Cm ²	d) 60-100
mA/Cm ²			
Q.17 which among the follo	wing electronic com	ponent works with th	ne principle of light
to voltage conversion?			
a) bridge rectifier	b) zener diode	c) half wave rectifie	r d) solar ce
Q.18. which of the following	g is not correct disad	lvantage regarding n	uclear energy
plant?			
a) nuclear energy increases	s the temperature of t	he water body	
b) nuclear energy produces	s radioactive wastes		
c) Nuclear power plant req	uire more water than	coal power plant.	
d) nuclear power plants rel	ease carbon emission	1	
Q.19 How nuclear energy is	s generated?		
a) Energy generated due	to fission of big nuc	leus	
	to combining two sr	nall nucleus	
b) Energy generated due	to combining two si		
b) Energy generated duec) Both 1 and 2	to comonning two si		

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a) I	Electrical end	ergy is converted in	to chemical energy	Y
b) I	Electrical ene	rgy is converted int	o light energy	
c) 7	The heat ener	gy is converted into	electrical energy	
d) 7	The electrical	energy is converte	d into heat energy	
Q. 21 th	e gas which	is NOT produced	in the process of	gaseous biomass is
a) 1	Neon	b) methane c)	hydrogen	d) carbon dioxide
Q. 22 T	he output of	the solar cell is of	the order of	
a) 1	W b) 5W	c) 10W	d) 20W	
Q. 23 w	hich of the f	ollowing is a non-r	enewable resource	e?
a) co	bal	b) solar	c) geothermal	d) tidal
Q.24 W	hich of the f	ollowing is a renew	vable resource?	
a) Se	olar energy	b) natural gas	c) coal	d) mineral
Q. 25 P	hotovoltaic c	ell or solar cell co	nverts	
a) T	hermal energ	y into electricity		
b) E	Electromagne	tic radiation directl	y into electricity	
c) S	olar radiation	n into thermal energ	5y	

Janseva Foundation Loni Budruk

Arts and Commerce College, Shendi

Department of Physics

Specimen Answer Sheet

"Certificate Course in Energy Conservation"

Year: 2023-24

Time: 2 hr

Date:

Marks : 50 M

Q.1 The total energy of an isolated system

- e) Cannot change
- f) Can only increase
- g) May increase or decrease depending the nature of the system
- h) Can only decrease

Ans – a

Q.2 when the velocity of an aero plane is doubled, the momentum

- e) Remain unchanged
- f) Is conserved
- g) Becomes zero
- h) Increases uniformly

Ans – b

0.3 which of the following is a conventional of generating electrical energy?

a) Tidal power b) wind power c) thermal power d) solar power

Ans-c

Q.4 Which of the following types of solar thermal collector is used to heat swimming

pools

- a) Low temperature collector
- b) Medium temperature collector
- c) High temperature collector
- d) any of the above

Ans – a

Q.5 The mean sun does move at a uniform speed but otherwise requires the same time as the real sun to complete one orbit of the earth, this time being

- a) The tropical year
- b) The leap year
- c) The Julian calendar year
- d) The Gregorian calendar year

Ans - a

Q.6 When the momentum of a body is doubled, its kinetic energy.....

- e) Remains the same
- f) Drops to zero
- g) Becomes four times its initial kinetic energy
- h) Becomes ten times its kinetic energy

Ans – a

Q.7 Gravitational potential energy is converted into the electrical energy in.....

- e) Hydroelectric power point
- f) Thermal power plant
- g) Wind mill
- h) Geothermal energy
- Ans a

Q.8 The correct sequence of energy transfer that occurs when a bullet is shot upward and then stated falling down at some point because of gravitational force.

- e) Gravitational potential energy Chemical potential energy Kinetic energy
- f) Kinetic energy Chemical potential energy kinetic energy
 Gravitational potential energy
- g) Chemical potential energy Kinetic energy Gravitational potential -->
 energy Kinetic energy
- h) Kinetic energy Kinetic energy Gravitational potential energy
 Chemical potential energy

Ans-C

power output will be	
a) Six times b) eight times	c) double d) reduced to half
Ans – b	
Q.10 What does the area under the load	l curve represent?
a) System voltage b) current	c) energy generated d) maximum demand
Ans – c	
Q.11 An instrument used for measuring	g total solar radiation is called
a) Hygrometer b) pyranometer	c) anemometerd) pyrheliometer
Ans – b	
Q.12 Which type of solar cell gives the h	nighest efficiency?
a) Mono crystalline	b) polycrystalline germanium
c) thin film	d) polycrystalline silicon
Ans – a	
Q.13 Solar process heating systems are	designed to provide large quantities of
for buildings.	
a) Hot water, residential	
b) Space heating, nonresidential	
c) Hot water or space heating, residen	tial
d) Hot water or space heating nonresid	dential
Ans – d	
Q. 14 photo voltaic devices in th	e form of thin films.
a) Cadmium telluroide b) ca	idmium oxide
c) cadmium sulphide c) ca	dmium sulphate
Ans – a	
Q.15 The top layer of the semiconductor	r in the solar cell is also called as
a) p-type b) n-type	c) pnp-type d) all of the above
Ans – b	
Q. 16 The current density of a photo vol	ltaic cell ranges from
a) 10-20 mA/Cm ² b) 40-50 mA	M/Cm^2 c) 20-40 mA/Cm ² d) 60-100
mA/Cm ²	

Q.17 which among the following electronic component works with the principle of light

to voltage conversion?

a) bridge rectifier b) zener diode c) half wave rectifier d) solar cell

Ans-d

Q.18. which of the following is not correct disadvantage regarding nuclear energy plant?

- e) nuclear energy increases the temperature of the water body
- f) nuclear energy produces radioactive wastes
- g) Nuclear power plant require more water than coal power plant.
- h) nuclear power plants release carbon emission

Ans-d

Q.19 How nuclear energy is generated?

- e) Energy generated due to fission of big nucleus
- f) Energy generated due to combining two small nucleus
- g) Both 1 and 2
- h) Neither 1 nor 2

Ans - c

Q.20 which of the following energy conservations occurs in an electric iron?

- e) Electrical energy is converted into chemical energy
- f) Electrical energy is converted into light energy
- g) The heat energy is converted into electrical energy
- h) The electrical energy is converted into heat energy

Ans-d

Q. 21 the gas which is NOT produced in the process of gaseous biomass is

dioxide

b) Neon	b) methane	c) hydrogen	d) carbon
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Ans-a

O. 22 The output of the solar cell is of the order of

a) 1W b) 5W c) 10W	d) 20W
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Ans-1W

Ans – a

Q. 23 which of t	he following is a no	n-renewable resource?	
a) coal	b) solar	c) geothermal	d) tidal

Q.24 Which of the following is a renewable resource?

a) Solar energy b) natural gas c) coal d) mineral

Ans – a

Q. 25 Photovoltaic cell or solar cell converts.....

- a) Thermal energy into electricity
- b) Electromagnetic radiation directly into electricity
- c) Solar radiation into thermal energy
- d) Solar radiation into kinetic energy

Ans – b

Janseva Foundation Loni Budruk

Arts and Commerce College, Shendi

Department of Physics

2023-24 "Certificate Course in Energy Conservation"

Mark List (Theory)

Sr.No	Name of Students	Mark out of 50 M
1	SABALE ADESH SANJAY	40
2	SONAWANE KSHITIJA KHANDU	44
3	SAGBHOR SANJIVANI KALU	35
4	TALAPE AKANKSHA EKNATH	45
5	SUKATE SAGAR MACHHINDRA	38
6	PAWAR GAURI RAVINDRA	39
7	BHOIR ROHAN JAGANNATH	40
8	GHORPADE ASHWINI POPAT	38
9	JAGTAP VISHAL SHANKAR	44
10	MALI MAYUR DNYANESHWAR	30
11	KACHARE VISHNU RAMDAS	38
12	MAHALE SANJAY DAGADU	40
13	PABALKAR BHAGYASHRI UTTAM	44

H.O.D. Dept. Of Physics Janseva Foundation Loni Burleyks Arts And Commerce College, Schuid Tal.Akole, Dist.Ahmednagar,

"Certificate Course in Energy Conservation"

Result Analysis Year: 2023-24

Sr.N o	Name of Student	Theory Marks out of 50 m	Grade
1	SABALE ADESH SANJAY	40	A ⁺
2	SONAWANE KSHITIJA KHANDU	44	0
3	SAGBHOR SANJIVANI KALU	35	A
4	TALAPE AKANKSHA EKNATH	45	0
5	SUKATE SAGAR MACHHINDRA	38	A ⁺
6	PAWAR GAURI RAVINDRA	39	A ⁺
7	BHOIR ROHAN JAGANNATH	40	A ⁺
8	GHORPADE ASHWINI POPAT	38	A ⁺
9	JAGTAP VISHAL SHANKAR	44	0
10	MALI MAYUR DNYANESHWAR	30	A
11	KACHARE VISHNU RAMDAS	38	A ⁺
12	MAHALE SANJAY DAGADU	40	A ⁺
13	PABALKAR BHAGYASHRI UTTAM	44	0

"Certificate Course in Energy Conservation" Result Analysis Year: 2023-24

Sr.No	Grade						Total Pass	Total Fail	Result
		0	A ⁺	A	B ⁺	B			
1	Girls	3	2	1	0	0	13	0	100%
2	Boys	1	5	1 2.	0	0			

Janseva Foundation Loni Budruks Janseva Foundation Loni Budruks Arts And Competers College Strundi Tal Akola, Dist Anmedication



Janseva Foundation Loni Budruks Arts & Commerce College, Shendi

At-Chichondi, Tal-Akole, Dist-Ahmednagar Pin-422604

Unipune ID- PU/AN/AC/93/2007

Email- principal.acshendi@pravara.in

Notice

All the students of certificate course on "A Certificate Course in Energy conservation" are hereby informed that, their passing certificates of course are received to department of Physics, Arts and Commerce College, shendi. These students are informed to collect their respective certificates from Asst.Prof Potkule V.H on 11/12/2023

Dept. Of Physics Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmednagar.





Janseva Foundation Loni Budruks Arts & Commerce College, Shendi At-Chichondi, Tal-Akole, Dist-Ahmednagar

Pin-422604

Unipune ID- PU/AN/AC/93/2007 Email- principal.acshendi@pravara.in

Department of Physics

"Certificate Course in Energy Conservation"

Report

The department of Physics organized a "Certificate Course in Energy Conservation" for Academic Year 2023-24in the college for college students'. The duration of the course was 30 hours spread over a period of three month. Physical classes where conducted 3 day per week from each day.

The objective of the certificate course is to aware youths about energy conservation and management in use of energy. Case studies enrich concept on that topic and that will helps to conduct energy conservation from younger mind. A total of 13 students were selected to undergo this course. At the end of the course, there was a theory exam. Those who had secured minimum 90% attendance were eligible for appearing in the examination.

Certificates were awarded to the 13 candidates who had cleared examination.

Dept. Of Physics Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal. Akole, Dist. Ahmednagar. Certificate Course in "Introduction to GIS" Year 2023-24 Janseva Foundation Loni Budruk Arts &Commerce College Shendi, Tal.Akole, Dist.Ahmednagar DEPARTMENT OF GEOGRAPHY

Custom

	A Certificate course in	n Geograp	hical Infor	mation	System ist)
	Year: 202	23-24 (Ad	lmitted St	udent L	Contact No
Seno	Student Name	Class	Gender	Cast	0405043618
51.110.	A sawale Ajay Nivrutti	TYBA	Male	<u>S1</u>	9403945010
	Rande Madhay Dattu	TYBA	Male	ST	9518500490
2	Dhadwad kamal Popat	TYBA	Female	ST	9322726321
3	Chode Rupali Balu	TYBA	Female	ST	965/190419
+	Jakhara Payan Prabhakar	TYBA	Male	ST	7796324390
5	Vertule Swappali Nadu	TYBA	Female	ST	7588539081
6	Kartule Swaphan Huden	TYBA	Female	ST	8850283663
7	Kartule Shashikala Kultur	TYBA	Female	ST	992338134
8	Khade Ashwim Nividui	TYBA	Female	ST	9764421893
9	Khade Anita Maruti	TYBA	Female	ST	762051910
10	Khade Kavita Popat	TYBA	Female	ST	907517273
11	Khade Bhorabal Goga	TVBA	Female	ST	942060544
12	Kokatare priyanka Bhaskar	TVBA	Male	ST	721930281
13	Navale Bhaurav Sopan	TVBA	Female	ST	724904289
14	Pichad Nikita Budha	TVDA	Female	ST	968963425
15	Sagbhor Disha Dattu	TVDA	Male	ST	782303304
16	Shene Tushar Kacharu	I Y DA	Male	ST	703858027
.17	Khade Gangaram	SYBA	Male	ST	914546949
18	Rongate Chandan	SYBA	Male	ST	758877966
19	Zade Chandar Rajaram	SYBA	Male	ST	85510984
20	Bande Rohit Dashrath	SYBA	Male	51	00010001

Head

H.O.D. Dept. Of Geography Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmednagar.

A Certificate Course in Geographical Information system

Sr.No	Year	Num	Number of Students						
1	2023-	Gender	Open	OBC	SC	ST	NT	SEBC	Total
	24	Male	00	00	00	09	00	00	09
		Female	00	00	00	11	00	00	11

Total students =20

H.O.D. Janseva Foundation Loni Budruks Arts And Commerce College,Shendi Tal.Akole, Dist.Ahmednagar.

SYLLABUS

Subject: Basic GIS (Geographical information system)

Sr.no	Topic	Sub-Topic	Periods
1	Introduction To	1.Defination of GIS	06
	GIS	2.Stage Of GIS Development	
	-	3.Objectives of GIS	
		4.Component GIS	
-		5.GIS Application	
2	Data Types & Model	1.Spatial Data; Raster & vector	06
		2.Non-Spacial Data; Rational, Network,	
		Hierarchical & object -oriented	
3	Software Based	1.Geo-referancing of Toposheet/Map	18
	Practical	2.Digitization of point, line,& polygon	
		3.Data Attachment	
		4.Creation of Layout & MAP	

Sub-Geographical Information system

Result (2023-24)

Sr.No	Student Name	Test	Project	Total
		Marks50	50	Marks
	· .			100
1	Asawale Ajay Nivrutti	30	35	65
2	Bande Madhav Dattu	32	36	68
		H.O.D. Dept. Of Geography Janseva Foundation Loni Budrut's Arts And Commerce College, Shenui Tal.Alweic, Dist.Ahmedrasaa		
3	Dhadwad kamal Popat	34	35	69
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4	Ghode Rupali Balu	34	40	74
5	Jakhere Pavan Prabhakar	42	44	86
6	Kartule Swapnali Nadu	30	30	60
7	Kartule Shashikala Kundalik	34	35	69
8	Khade Ashwini Nivrutti	40	42	82
9	Khade Anita Maruti	40	42	82
10	Khade Kavita Popat	38	40	78
11	Khade Bhorabai Goga	38	40	78
12	Kokatare priyanka Bhaskar	36	38	74
13	Navale Bhaurav Sopan	30	34	64
14	Pichad Nikita Budha	44	46	90
15	Sagbhor Disha Dattu	44	44	88
16	Shene Tushar Kacharu	36	34	70
17	Khade Gangaram	32	34	64
18	Rongate Chandan	30	32	62
19	Zade Chandar Rajaram	34	36	70
20	Bande Rohit Dashrath	36	40	76

Department of Geography

H.O.D. Dept. Of Geography Janseva Foundation Loni Budruks Arts And Commerce College,Shendi Tai.Akole, Dist.Ahmednagar.

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विषय : भौगोलिक माहिती प्रणाली वेळ:१ तास										
दिनांक:०२/० ९ /२०२३ गुण:७०										
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२. भौगोलिक माहिती प्रणालीचा उपयोग खालील पैकी कोणत्या घटकांसाठी होतो?	२									
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. ३. भौगोलिक माहिती प्रणालीचा उपयोग खालील पैकी कोणत्या घटकासाठी होतो?	ર									
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४. भौगोलिक माहिती प्रणाली या तंत्रज्ञानात कोणत्या घटकाचा वाट महत्वाचा आहे?	२									
अ) संगणक ब) रडार क) दूरसंवेदन ड) यापैकी नाही.										
७. भौगोलिक माहिती प्रणालीचा सर्वप्रथम वापर कोणत्या देशाने केला.	२									
अ) अमेरिका ब) कॅनडा क) जर्मनी ड) भारत										
६. भौगोलिक माहिती प्रणालीचा वापर या क्षेत्रात केला जातो.	ર									
्अ) चित्रीकरण ब) आर्थिक वितरण क) भूमिउपयोजन ड) वाहतूक										
७. भौगोलिक माहिती प्रणाली मध्ये कोणत्या घटकाची आवश्यकता असते ?	२									
- अ) पुरेशी क्षमता ब) सॉप्टवेअर क) स्मरण क्षमता ड) यापैकी नाही.										
८. सांख्यिकीच्या नोंदी करण्यासाठी कोणत्या घटकाची आवश्यकता असते .	ર									
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९. भौगोलिक संदर्भासाठी कोणत्या गोष्टीचा आवश्यकता लागते. २										
अ) अक्षांश ब) रेखांश क) उंची ड) यापैकी नाही.										
१०.एखाद्या प्रदेशातील घटकांचे चित्रण करण्यासाठी कोणत्या पध्दतीचा वापर केला जातो. २										

अ) GPS ब) जाळी प्रतिमान क) सुदुर संवेदन ड) यापैकी नाही.

११) सांख्यिकी पद्धती किती प्रकारच्या आहेत? 2 क) १० ৰ) ४ ड) ११ अ) २ १२. भौगोलिक प्रदेशाची माहिती संकलित पणे दाखविण्याचा मार्ग कोणता. 2 अ) संगणक ब) नकाशा क) सुदूर संवेदन ड) यापैकी नाही १३. GIS मध्ये कोणता घटक अति महत्वाचा आहे. 2 अ) प्रमाण ब) नकाशा प्रक्षेपण क) सूची ड) यापैकी नाही १४. GIS मध्येक कोणत्या घटकाला महत्व आहे. 2 अ) भूपृष्ठ ब) अवकाशियम क) जलविभाग ड) डोंगराळ प्रदेश १५. नकाशा प्रक्षेपणाचे प्रमुख किती प्रकार आहेत? 2 ब) ४ क) ५ ड) ११ अ) ३ १६. पृथ्वीवर एकूण किती अक्षवृत्ते आहेत. 2 अ) ९० ब) १८० क) ३६० ड) ३६५ १७. रेखावृत्ताची एकूण संख्या किती आहेत. 2 ब) १८० क) ३६० ड) ३६५ अ) ९० १८. सांख्यिकी मोजमापाचे किती परिमाण आहेत. 2 ब) ४ क) ५ ड) १० अ) २ १९. मोजमापाची परिमाणे कोणती आहेत. 2 अ) नामदर्शक ब) क्रमदर्शक क) आंतरदर्शक ड) यापैकी सर्व २०. तापमान नोंदीतील फरक किती अंश सेल्शिअस असतो . ર अ) १ सेल्शिअस ब) १० सेल्शिअस क) २० सेल्शिअस ड) यापैकी नाही २१.अवकाशीय संख्यीकीचे स्रोत कोणते. 2 अ) जणगणना ब) सर्वेक्षण क) हवाई छाया चित्रे ड) यापैकी सर्व

२२. DTM तयार करण्यासाठी कोणत्या पद्धतीचा वापर केला जातो .
२ अ) सदिश ब) जाळी संदृष्य क) अनियमित जाळी ड) शिरोबिंदू .
२३. GIS द्वारे स्थानिक पातळीवर केलेल्या सर्वेक्षना करिता अंतराची मर्यादा किती असते.२
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२४. अंकीय नोंदकरण कसे केले जाते.
२ अ) स्वयंचलित ब) नियंत्रित क) उपग्रहीय ड) यापैकी नाही
२५. सर्वेक्षना करिता समोच्च रेषा अंतर किती असते.
२ भीटर ब) २० मीटर क) ५० मीटर ड) १०० मीटर

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Janseva Foundation Loni Budruks Arts And Commerce College, Shendi Tal.Akole, Dist.Ahmednagar.

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