



30 Hrs. Basic Certificate course :

**INTRODUCTION TO GEOGRAPHICAL TOOLS AND
INSTRUMENTS**

Syllabus :

A} Theory :

1. Introduction
2. Concept & Basic
3. Types of Various Geographical Tools & Instrument
4. Use of Geographical tools & Instruments
5. Need of Geographical tools & Instruments

B} Hand on Practical :

Practical use of Geographical tools and instruments

Exam : 50 Marks

(30 marks objective on theory + 20 marks Practical)





Jeevandeep Shikshan Santha's
Art's, Commerce And Science College, Khardi
Tal. Shahapur, Dist. Thane : 421601
(Affiliated to University of Mumbai)



DEPARTMENT OF GEOGRAPHY

Basic Certificate Course of

INTRODUCTION TO GEOGRAPHICAL TOOLS AND INSTRUMENTS

STARTED FROM MONTH OF JULY : 2021

(only 30 Hours)

NOREGISTRETION FEES

Register now ...

Contact :

Asst. prof. Vishal s. Bhoale { HOD } : 9920339256

Asst. Prof. Rajni Pardeshi : 7057586424

(Department of Geography)



❖ Course Objective :

- To Provide the Extra Curriculum Knowledge
- To provide Practical Knowledge with experience
- Other Career opportunities
- To Develop Self Confidence, Motivation
- Self-Startup

❖ Who can Do this ?

- FYBA / BSC - Geography
- SYBA / BSC - Geography
- TYBA / BSC - Geography
- M.A. / MSC - Geography

*** (Note : Limited Student Batches are Available)**





Jeevandeep Shikshan Sanstha's
Art's, Commerce and Science College, Khardi
Tal. Shahapur, Dist. Thane : 421601
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30 Hrs. Basic Certificate course
INTRODUCTION TO GEOGRAPHICAL TOOLS AND INSTRUMENTS
TIME TABLE : 2021-2022

SR. NO.	DAY	TIME	PAPER	NAME OF THE TEACHER
1	Monday	12:00PM TO 01:00PM	THEORY AND PRACTICAL	Asst. Prof. Vishal S. Bhosale
2	Tuesday			
3	Wednesday			
4	Thursday			
5	Friday			
6	Saturday			

Asst. Prof. Vishal S. Bhosale
(H.O.D. GEO. DEPT.)




Prof. Kailas Kalkate
Principal
Jeevandeep Shikshanik Sanstha Po's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.



Jeevandeep Shikshan Santha's
Art's, Commerce and Science College, Khardi
 Tal. Shahapur, Dist. Thane : 421601
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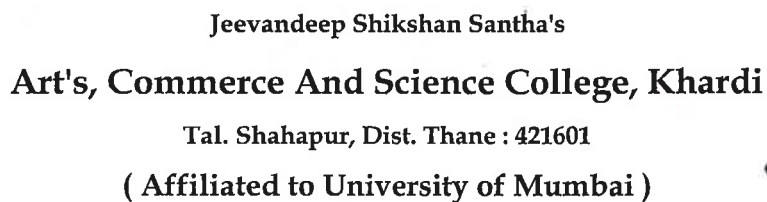
30 Hrs. Basic Certificate course INTRODUCTION TO GEOGRAPHICAL TOOLS AND INSTRUMENTS ATTENDANCE SHEET : 2021-2022

SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 05 JULY 2021 TO 22 JULY 2021			
		TOTAL PRESENT DAYS	TOTAL ABSENT DAYS	REMARK	SIGN (TEACHER)
1	VAJE ROSHANI SAKHARAM SHASHIKALA	15	00		
2	ANDHALE PRASAD BHAGWAN YASHODA	15	00		
3	BHAKARE ASHWINI SADU VANDANA	15	00		
4	BHANGARE RAVINDRA BHIMA RADHABAI	15	00		
5	BHOIR DEVESH PANDURANG BEBI	15	00		
6	BHOIR ROHINI NANDU YAMUNA	15	00		
7	BHOIR VICKY BHARAT VANITA	15	00		
8	BINNAR DARSHANA KRUSHNA SUMAN	00	15		
9	BINNAR PRIYANKA BANSI CHANDRAKALA	00	15		
10	CHANDE SUNNY SUNIL SAVITA	15	00		
11	CHAUDHARI ROSHAN NARAYAN BHAGYASHRI	11	04		
12	CHAUDHARI VISHAL SUBHASH SAVITA	10	05		
13	DARODA BHAVESH UTTAM URMILA	10	05		
14	DESAI AKSHAY PRADIP SANGITA	15	00		
15	DHANKE SHUBHADA NAMDEV SUVARNA	15	00		



SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 05 JULY 2021 TO 22 JULY 2021			
		TOTAL PRESENT DAYS	TOTAL ABSENT DAYS	REMARK	SIGN (TEACHER)
40	PADEKAR NILESH EKNATH REKHA	15	00		
41	PADEKAR RAHUL EKNATH REKHA	15	00		
42	PARADHI KALPESH KATHOD SANGITA	15	00		
43	PASHTHE DIPAK ASHOK KUNDA	15	00		
44	PAWAR PRANALEE YASHWANT SHAKUNTALA	15	00		
45	PAWAR URMILA NAMDEV SHANTI	15	00		
46	RAO HEMANT PRADIP VANDANA	15	00		
47	RAUT GEETA CHANDRAKANT JAYASHREE	15	00		
48	SABALE DIPALI DEVRAM SUNITA	10	05		
49	SABALE HAUSA SAHEBRAO LAXMIBAI	15	00		
50	SANDE ASHWINI MAHESH SUVRNA	15	00		
51	SHENGAL SWAPNIL BALU JANABAI	15	00		
52	SHINDE SADHANA SUDHAKAR VIMAL	15	00		
53	SONAVALE POOJA VISHNU MEENA	00	15		
54	SONAWANE AKASH RAJU RANJANA	15	00		
55	SONAWANE BALU MANOHAR ANJANA	15	00		
56	TALPADE GANESH NAGU SUMAN	15	00		
57	TUMBADE BHAAU KALU VANDANA	15	00		
58	WAGH GURUDEO BHARAT MIRA	13	02		





DEPARTMENT OF GEOGRAPHY



Basic Certificate Course of
INTRODUCTION TO GEOGRAPHICAL TOOLS &
INSTRUMENTS (30 Hrs. only)



30 Hrs. Basic Certificate course :

**INTRODUCTION TO GEOGRAPHICAL TOOLS AND
INSTRUMENTS**

Syllabus :

A} Theory :

1. Introduction
2. Concept & Basic
3. Types of Various Geographical Tools & Instrument
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(30 marks objective on theory + 20 marks Practical)





Jeevandeep Shikshan Santha's
Art's, Commerce And Science College, Khardi
Tal. Shahapur, Dist. Thane : 421601
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DEPARTMENT OF GEOGRAPHY

Basic Certificate Course of

INTRODUCTION TO GEOGRAPHICAL TOOLS AND INSTRUMENTS

STARTED FROM MONTH OF JULY : 2021

(only 30 Hours)

NOREGISTRATION FEES

Register now ...

Contact :

Asst. prof. Vishal s. Bhoşale { HOD } : 9920339256

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***(Note : Limited Student Batches are Available)**





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Art's, Commerce and Science College, Khardi
Tal. Shahapur, Dist. Thane : 421601
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30 Hrs. Basic Certificate course
INTRODUCTION TO GEOGRAPHICAL TOOLS AND INSTRUMENTS
TIME TABLE : 2021-2022

SR. NO.	DAY	TIME	PAPER	NAME OF THE TEACHER
1	Monday	12:00PM TO 01:00PM	THEORY AND PRACTICAL	Asst. Prof. Vishal S. Bhosale
2	Tuesday			
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Asst. Prof. Vishal S. Bhosale
(H.O.D. GEO. DEPT.)



Prof. Kailas Kalkate

Principal

Jeevandee Shikshan Sanstha Po's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.



Jeevandeep Shikshan Santha's

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30 Hrs. Basic Certificate course INTRODUCTION TO GEOGRAPHICAL TOOLS AND INSTRUMENTS ATTENDANCE SHEET : 2021-2022

SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 05 JULY 2021 TO 22 JULY 2021			
		TOTAL PRESENT DAYS	TOTAL ABSENT DAYS	REMARK	SIGN (TEACHER)
1	VAJE ROSHANI SAKHARAM SHASHIKALA	15	00		
2	ANDHALE PRASAD BHAGWAN YASHODA	15	00		
3	BHAKARE ASHWINI SADU VANDANA	15	00		
4	BHANGARE RAVINDRA BHIMA RADHABAI	15	00		
5	BHOIR DEVESH PANDURANG BEBI	15	00		
6	BHOIR ROHINI NANDU YAMUNA	15	00		
7	BHOIR VICKY BHARAT VANITA	15	00		
8	BINNAR DARSHANA KRUSHNA SUMAN	00	15		
9	BINNAR PRIYANKA BANSI CHANDRAKALA	00	15		
10	CHANDE SUNNY SUNIL SAVITA	15	00		
11	CHAUDHARI ROSHAN NARAYAN BHAGYASHRI	11	04		
12	CHAUDHARI VISHAL SUBHASH SAVITA	10	05		
13	DARODA BHAVESH UTTAM URMILA	10	05		
14	DESAL AKSHAY PRADIP SANGITA	15	00		
15	DHANKE SHUBHADA NAMDEV SUVARNA	15	00		



SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 05 JULY 2021 TO 22 JULY 2021			
		TOTAL PRESENT DAYS	TOTAL ABSENT DAYS	REMARK	SIGN (TEACHER)
40	PADEKAR NILESH EKNATH REKHA	15	00		
41	PADEKAR RAHUL EKNATH REKHA	15	00		
42	PARADHI KALPESH KATHOD SANGITA	15	00		
43	PAShte DIPAK ASHOK KUNDA	15	00		
44	PAWAR PRANALEE YASHWANT SHAKUNTALA	15	00		
45	PAWAR URMILA NAMDEV SHANTI	15	00		
46	RAO HEMANT PRADIP VANDANA	15	00		
47	RAUT GEETA CHANDRAKANT JAYASHREE	15	00		
48	SABALE DIPALI DEVRAM SUNITA	10	05		
49	SABALE HAUSA SAHEBRAO LAXMIBAI	15	00		
50	SANDE ASHWINI MAHESH SUVRNA	15	00		
51	SHENGAL SWAPNIL BALU JANABAI	15	00		
52	SHINDE SADHANA SUDHAKAR VIMAL	15	00		
53	SONAVALE POOJA VISHNU MEENA	00	15		
54	SONAWANE AKASH RAJU RANJANA	15	00		
55	SONAWANE BALU MANOHAR ANJANA	15	00		
56	TALPADE GANESH NAGU SUMAN	15	00		
57	TUMBADE BHAAU KALU VANDANA	15	00		
58	WAGH GURUDEO BHARAT MIRA	13	02		



Title : 01-INTRODUCTION TO GEOGRAPHICAL TOOLS AND
INSTRUMENTS

(भौगोलिक साधने आणि यंत्रे यांचा परिचय)

Time – 02.00 hour

Mark's -50

टीप : 1. सर्व प्रश्न समान गूण दर्शवतात.

भाग : 1 - लघुतरी प्रश्न

प्रश्न : पुढील प्रश्नांची उत्तरे लिहा.

30 Marks

1. पर्जन्य मापकाची आकृती काढून नावे द्या.
2. जि. पी. एस. चे प्रकार थोडक्यात स्पष्ट करा.
3. समतल फलक सर्वेक्षण ची थोडक्यात कृती लिहा.
4. प्रिस्मटिक कंपासची आकृती काढून नावे द्या.
5. साध्या तापमाकाची आकृती काढून नावे द्या.
6. निद्राव वायुभार मापकाची वैशिष्ट्ये लिहा.
7. वायू दिशा दर्शकाची आकृती काढून नावे द्या.

भाग : 2 - प्रात्यक्षिक

प्रश्न : पुढील प्रश्न सोडावा. (कोणतेही दोन)

20 Marks

1. एबनी लेव्हल च्या साहाय्याने दिलेल्या बिंदूची उंची काढा.
2. प्रिस्मटिक कंपासच्या साहाय्याने क्षेत्रफळ काढा.
3. समतल फलकाच्या साहाय्याने क्षेत्रफळ काढा.
4. जि. पी. एस. च्या साहाय्याने क्षेत्रफळ काढा.



INTRODUCTION TO GEOGRAPHICAL TOOLS AND INSTRUMENTS

RESULT / MARK SHEET : 2021-2022

SR. NO. / ID	NAME OF THE STUDENT	MARKS		
		THEORY (30)	PRACTICAL (20)	TOTAL (50)
1	VAJE ROSHANI SAKHARAM SHASHIKALA	23	18	41
2	ANDHALE PRASAD BHAGWAN YASHODA	28	20	48
3	BHAKARE ASHWINI SADU VANDANA	22	18	40
4	BHANGARE RAVINDRA BHIMA RADHABAI	20	19	39
5	BHOIR DEVESH PANDURANG BEBI	20	20	40
6	BHOIR ROHINI NANDU YAMUNA	23	16	39
7	BHOIR VICKY BHARAT VANITA	25	18	43
8	BINNAR DARSHANA KRUSHNA SUMAN	AB	AB	AB
9	BINNAR PRIYANKA BANSI CHANDRAKALA	AB	AB	AB
10	CHANDE SUNNY SUNIL SAVITA	28	20	48
11	CHAUDHARI ROSHAN NARAYAN BHAGYASHRI	26	19	45
12	CHAUDHARI VISHAL SUBHASH SAVITA	24	18	42
13	DARODA BHAVESH UTTAM URMILA	25	20	45
14	DESAI AKSHAY PRADIP SANGITA	26	16	42
15	DHANKE SHUBHADA NAMDEV SUVARNA	24	16	40
16	DHAPTE SUVARNA MANGESH RENUKA	25	15	40
17	DHASADE GANESH BHAU BHARATI	22	18	40
18	DHASADE SAKSHI ROHIDAS ROHINI	20	19	39
19	FARDE PANKAJ SUNIL SUNITA	20	20	40
20	GABHALE RAHUL BHAURAO DRAUPADA	23	16	39
21	GABHALE VISHNU CHANDAR DHONDABAI	25	18	43
22	GAIKWAD GANESH LAXMAN CHHAYA	26	16	42
23	HARAD TUSHAR RAMESH ROHINI	23	18	41
24	IRNAK SANDIP SHANKAR INDUBAI	28	20	48
25	JADHAV ROHINI GAJANAN NANDA	26	19	45
26	JAWALE AALFIYAJ MUSALI TASALIM	26	19	45
27	JAWALE NIVRUTTI BHAORAO TULSABAI	24	18	42
28	KADU PRASAD BANDU MANJULA	23	20	43
29	KALE NEHA RAVINDRA NANDA	22	18	40
30	KHADE NITIN YUVRAJ ASHA	20	19	39
31	LAKADE KETAN RAMESH RESHMA	20	20	40



32	LAKHAMBARE AKSHAY DILIP PRAMILA	23	16	39
33	LAKHE BHUSHAN RAMDAS GEETA	25	18	43
34	LANJEKAR RAJESH ANANT ARCHANA	26	16	42
35	LOTE MAYUR BABANRAO BABUBAI	23	18	41
36	MANGE HARISHCHANDRA NAMDEV BHIMABAI	28	20	48
37	MENGAL ROHINI PANDHARINATH LAXMI	26	19	45
38	NAIK RUSHIKESH DEEPAK VAISHALI	22	18	40
39	NIPURTE DIPALI MALHARI MEENA	20	19	39
40	PADEKAR NILESH EKNATH REKHA	20	20	40
41	PADEKAR RAHUL EKNATH REKHA	23	16	39
42	PARADHI KALPESH KATHOD SANGITA	25	18	43
43	PASHTI DIPAK ASHOK KUNDA	26	16	42
44	PAWAR PRANALEE YASHWANT SHAKUNTALA	23	18	41
45	PAWAR URMILA NAMDEV SHANTI	28	20	48
46	RAO HEMANT PRADIP VANDANA	26	19	45
47	RAUT GEETA CHANDRAKANT JAYASHREE	22	18	40
48	SABALE DIPALI DEVRAM SUNITA	20	19	39
49	SABALE HAUSA SAHEBRAO LAXMIBAI	20	20	40
50	SANDE ASHWINI MAHESH SUVRNA	23	16	39
51	SHENGAL SWAPNIL BALU JANABAI	25	18	43
52	SHINDE SADHANA SUDHAKAR VIMAL	26	16	42
53	SONAVALE POOJA VISHNU MEENA	AB	AB	AB
54	SONAWANE AKASH RAJU RANJANA	28	20	48
55	SONAWANE BALU MANOHAR ANJANA	26	19	45
56	TALPADE GANESH NAGU SUMAN	26	19	45
57	TUMBADE BHAU KALU VANDANA	23	18	41
58	WAGH GURUDEO BHARAT MIRA	28	20	48

Asst. Prof. Vishal S. Bhosale
(H.O.D. GEO. DEPT.)



Prof. Kailas Kalkate
(Principal)

Jeevandeep Shaikshanik Sanstha Po's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.



DEPARTMENT OF GEOGRAPHY

CERTIFICATE COURSE

2





Jeevandeep Shikshan Santha's Poi's

Art's, Commerce And Science College, Khardi

Dalkhan-Khard, Tal. Shahapur, Dist. Thane : 421601

(Affiliated to University of Mumbai)



DEPARTMENT OF GEOGRAPHY

Basic Certificate Course of

**Research Methodology and application of
techniques in Geography**

STARTED FROM MONTH OF JANUARY : 2022

(Only 30 Hours)

NOREGISTRATION FEES

Register now

Contact :

Asst. prof. Vishal s. Bhosale { HOD } : 9920339256

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DEPARTMENT OF GEOGRAPHY



Basic Certificate Course of

**Research Methodology and application of
techniques in Geography**

(30 Hrs. only)



Research Methodology and application of techniques in Geography

30 Hrs. Basic Certificate Course :

Syllabus :

1. Defining Research - importance of geographical research - types of research
In Geography.
2. Research design - and literature review
3. Research Hypothesis, Selection of sample and Sampling techniques
4. Nature and Type of Geographical data - Sources and Methods of data
Collection.
5. Analytical techniques in Geography for data analysis - Traditional and
Contemporary.
6. Principles in Report Writing

Exam : 50 Marks

(50 marks objective on theory)



❖ Course Objective :

- To Provide the Extra Curriculum Knowledge
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Art's, Commerce and Science College, Khardi

Tal. Shahapur, Dist. Thane : 421601

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30 Hrs. Basic Certificate course (Online)

Research Methodology and application of techniques in Geography

TIME TABLE : 2021-2022

SR. NO.	DAY	TIME	PAPER	NAME OF THE TEACHER
1	Monday	12:00PM TO 01:00PM	THEORY AND PRACTICAL	Asst. Prof. Vishal S. Bhosale
2	Tuesday			
3	Wednesday			
4	Thursday			
5	Friday			
6	Saturday			

(Signature)

Asst. Prof. Vishal S. Bhosale
(H.O.D. GEO. DEPT.)



(Signature)

Prof. Kailas Karkate

Principal

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Jeevandeep Shikshan Sanstha's
Art's, Commerce and Science College, Khardi
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30 Hrs. Basic Certificate course
Research Methodology and application of techniques in Geography
ATTENDANCE REPORT : 2021-2022

SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 03 JANUARY 2022 TO 20 JANUARY 2022			
		TOTAL PRESENT DAYS	TOTAL ABSENT DAYS	REMARK	SIGN (TEACHER)
1	VAJE ROSHANI SAKHARAM SHASHIKALA	15	00		
2	DHANKE SHUBHADA NAMDEV SUVARNA	15	00		
3	GABHALE RAHUL BHAURAO DRAUPADA	15	00		
4	LAKHE BHUSHAN RAMDAS GEETA	15	00		
5	SABALE HAUSA SAHEBRAO LAXMIBAI	15	00		
6	GAIKWAD GANESH LAXMAN CHHAYA	15	00		
7	KUNDE KISHOR SAMPAT SEETA	15	00		
8	SHINDE SADHANA SUDHAKAR VIMAL	15	00		
9	PADEKAR NILESH EKNATH REKHA	15	00		
10	PADEKAR RAHUL EKNATH REKHA	15	00		
11	JAWALE NIVRUTTI BHAORAO TULSABAI	15	00		
12	MANGE HARISHCHANDRA NAMDEV	15	00		
13	KEVARI KISHOR RAMDAS SUNITA	15	00		
14	JAWALE AALFIYAJ MUSALI TASALIM	15	00		
15	CHANDE SUNNY SUNIL SAVITA	15	00		



SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 03 JANUARY 2022 TO 20 JANUARY 2022				SIGN (TEACHER)
		TOTAL PRESENT DAYS	TOTAL ABSENT DAYS	REMARK		
16	GABHALE VISHNU CHANDAR DHONDABAI	15	00			
17	WAGH GURUDEO BHARAT MIRA	15	00			
18	KHADE NITIN YUVRAJ ASHA	15	00			
19	DINKAR NIKITA KRISHNA SAVITA	15	00			
20	KADU PRASAD BANDU MANJULA	15	00			
21	DHAPTE SUVARNA MANGESH RENUKA	15	00			
22	DHAPATE DEVARAM SURESH KAMAL	15	00			
23	LAKHAMBARE AKSHAY DILIP PRAMILA	15	00			
24	AWARI RUPALI PANDHARI MIRA	15	00			
25	BHAKARE ASHWINI SADU VANDANA	15	00			
26	DHASADE SAKSHI ROHIDAS ROHINI	15	00			
27	ANDHALE PRASAD BHAGWAN YASHODA	15	00			
28	SONAWANE AKASH RAJU RANJANA	15	00			
29	BHOIR ROHINI NANDU YAMUNA	15	00			
30	DANGARE PRERNA ANIL USHA	15	00			
31	DESAI AKSHAY PRADIP SANGITA	15	00			
32	KALE NEHA RAVINDRA NANDA	15	00			
33	NAIK RUSHIKESH DEEPAK VAISHALI	15	00			
34	BHOIR DEVESH PANDURANG BEBI	15	00			
35	LANJEKAR RAJESH ANANT ARCHANA	15	00			
36	BHANGARE RAVINDRA BHIMA RADHABAI	15	00			
37	RAUT GEETA CHANDRAKANT JAYASHREE	15	00			
38	RAO HEMANT PRADIP VANDANA	15	00			
39	LAKADE KETAN RAMESH RESHMA	15	00			



SR. NO. / ID	NAME OF THE STUDENT	DATE : FROM - 03 JANUARY 2022 TO 20 JANUARY 2022			
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40	PAShte DIPAK ASHOK KUNDA	15	00		
41	SHENGAL SWAPNIL BALU JANABAI	15	00		
42	TALPADE GANESH NAGU SUMAN	15	00		
43	BHOIR VICKY BHARAT VANITA	15	00		
44	DARODA BHAVESH UTTAM URMILA	15	00		
45	DHASADE GANESH BHAU BHARATI	15	00		
46	BINNAR PRIYANKA BANSI CHANDRAKALA	00	15		
47	IRNAK SANDIP SHANKAR INDUBAI	00	15		
48	FARDE PANKAJ SUNIL SUNITA	15	00		
49	TUMBADE BHAU KALU VANDANA	15	00		
50	BINNAR DARSHANA KRUSHNA SUMAN	15	00		
51	NIPURTE DIPALI MALHARI MEENA	15	00		
52	HARAD TUSHAR RAMESH ROHINI	15	00		
53	CHAUDHARI VISHAL SUBHASH SAVITA	15	00		
54	CHAUDHARI ROSHAN NARAYAN	14	01		
55	CHAWANE MANOHAR ANJANA	15	00		
56	CHAWANE MANOHAR ANJANA	00	15		
57	PAWAR URMILA NAMDEV SHANTI	15	00		
58	SANDE ASHWINI MAHESH SUVRNA	15	00		
59	MENGAL ROHINI PANDHARINATH LAXMI	12	03		
60	PAWAR PRANALEE YASHWANT	15	00		
61	LOTE MAYUR BABANRAO BABUBAI	15	00		



(भूगोलातील संशोधन पद्धती आणि तंत्रांचा वापर)

Time - 60 min.

Mark's -50

प्रश्न : पुढील बहुपर्यायी प्रश्नांची उत्तरे लिहा.

1. संशोधन करत असताना कल्पनाशक्तीचा उपयोग न करता ----- पद्धतीचा अवलंब करावा लागतो.
(A) नमुना निवड
(B) वैज्ञानिक
(C) संशोधन
(D) मुलाखत
2. खालीलपैकी कोणता सरासरीचा प्रकार नाही.
(A) मध्यगा
(B) बहुलक
(C) प्रमाण विचलन
(D) वर्तुळ
3. संगणकातील ----- या एप्लीकेशन द्वारे संशोधन कार्यातील अनेक प्रश्न सहज सोडवले जातात.
(A) Power point.
(B) M. S. Excel.
(C) M.S. office
(D) PPT
4. खालीलपैकी कोणता संशोधनाचा प्रकार नाही.
(A) उपयोजित संशोधन
(B) प्रयोगात्मक संशोधन
(C) मौखिक संशोधन
(D) ऐतिहासिक संशोधन
5. ----- पद्धती ही लोकप्रिय पद्धत आहे.
(A) संकलन
(B) निरीक्षण
(C) मौखिक
(D) प्रात्यक्षिक



6. माहितीचे विश्लेषण किती पद्धतीने केले जाते.
- (A) दोन
(B) तीन
(C) एक
(D) चार
7. खालीलपैकी कोणती संशोधनाची शास्त्रीय पायरी नाही.
- (A) वर्गीकरण
(B) आराखडा
(C) अहवाल लेखन
(D) क्रियात्मक
8. GIS चे दीर्घ रूप काय आहे?
- (A) Geographical Information System
(B) Google Information System
(C) Global Information System
(D) Group Information System
9. संशोधन म्हणजे?
- (A) पुन्हा पुन्हा शोधणे
(B) कोणत्याही समस्येवर उपाय शोधणे
(C) कोणत्याही समस्येचे सत्य शोधण्यासाठी वैज्ञानिक मार्गाने कार्य करणे
(D) वरीलपैकी नाही
10. संशोधनातील एक सामान्य चाचणी
- (A) विश्वासार्हता
(B) उपयोगिता
(C) वस्तुनिष्ठता
(D) वरील सर्व गोष्टींना प्राधान्य देते.
11. शून्य गृहितक
- (A) जेव्हा चलांमध्ये फरक नसतो
(B) संशोधन गृहीतके सारखा असतो
(C) स्वभावातील व्यक्तिनिष्ठ
(D) जेव्हा चलांमध्ये फरक असतो
12. कृती-संशोधन हे आहे:
- (A) एक उपयोजित संशोधन
(B) तात्काळ समस्या सोडवण्यासाठी केलेले संशोधन
(C) अनुदैर्घ्य संशोधन
(D) वरील सर्व



13. गैर-संभाव्यता नमुना कोणते म्हणतात?
- (A) क्लस्टर नमुना
 - (B) कोटा नमुना
 - (C) पद्धतशीर नमुना
 - (D) स्तरीकृत यादृच्छिक नमुना
14. संशोधनाचे खालीलप्रमाणे वर्गीकरण केले जाऊ शकते
- (A) मूलभूत, उपयोजित आणि कृती संशोधन
 - (B) तात्विक, ऐतिहासिक, सर्वेक्षण आणि प्रायोगिक संशोधन
 - (C) परिमाणात्मक आणि गुणात्मक संशोधन
 - (D) वरील सर्व
15. संशोधन अहवालात दिलेली ग्रंथसूची
- (A) संशोधकाचे अफाट ज्ञान दाखवते
 - (B) पुढील संशोधनात स्वारस्य असलेल्यांना मदत करते
 - (C) संशोधनाशी काहीही संबंध नाही
 - (D) वरील सर्व
16. वैज्ञानिक संशोधनाचे मुख्य वैशिष्ट्य म्हणजे
- (A) अनुभवजन्य
 - (B) सैद्धांतिक
 - (C) प्रायोगिक
 - (D) वरील सर्व
17. संशोधन निष्कर्षाची सत्यता आहे
- (A) मौलिकता
 - (B) वैधता
 - (C) वस्तुनिष्ठता
 - (D) वरील सर्व
18. लोकसंख्या मर्यादित असताना सामान्यतः कोणते तंत्र अवलंबले जाते?
- (A) एरिया सॅम्पलिंग तंत्र
 - (B) उद्देशपूर्ण नमुना तंत्र
 - (C) पद्धतशीर नमुना तंत्र
 - (D) वरीलपैकी नाही
19. संशोधन प्रक्रिया सुरू करण्यासाठी खालीलपैकी कोणती पहिली पायरी आहे?
- (A) समस्या शोधण्यासाठी माहितीचे स्रोत शोधत आहे.
 - (B) संबंधित साहित्याचे सर्वेक्षण
 - (C) समस्येची ओळख
 - (D) समस्येवर उपाय शोधणे



20. संशोधनाची वस्तुनिष्ठता कशी वाढवता येईल?

- (A) त्याच्या निःपक्षपातीपणाद्वारे
- (B) त्याच्या विश्वासाहतेद्वारे
- (C) त्याच्या वैधतेद्वारे
- (D) सर्व

21. प्रायोगिक संशोधनात आवश्यक नसलेली प्रक्रिया अशी आहे

- (A) निरीक्षण
- (B) हाताळणी आणि प्रतिकृती
- (C) नियंत्रण
- (D) संदर्भ संकलन

22. एका संशोधन अहवालात दिलेली ग्रंथसूची

- (A) संशोधकाचे अफाट ज्ञान दाखवते
- (B) पुढील संशोधनात स्वारस्य असलेल्यांना मदत करते
- (C) संशोधनाशी संबंधित नाही
- (D) सर्व

23. हि प्राथमिक माहिती संकलन पद्धत आहे

- (A) मुलाखत पद्धत
- (B) प्रश्नावली पद्धत
- (C) अनुसूची पद्धत
- (D) सर्व

24. संशोधन करता आपल्या अध्ययन विषयाची माहिती कोणत्या स्रोतांद्वारे संकलित करतो.

- (A) निरीक्षण
- (B) प्रश्नावली
- (C) मुलाखत
- (D) वरील सर्व

25. ----- या पद्धतीचा वापर प्रामुख्याने क्षेत्रीय निवडी करता केला जातो.

- (A) ग्रीड पद्धती
- (B) तिकीट पद्धत
- (C) लॉटरी पद्धत
- (D) कार्ड पद्धत



Research Methodology and application of techniques in Geography

RESULT / MARK SHEET : 2021-2022

SR. NO. / ID	NAME OF THE STUDENT	MARKS (50)
1	VAJE ROSHANI SAKHARAM SHASHIKALA	40
2	DHANKE SHUBHADA NAMDEV SUVARNA	42
3	GABHALE RAHUL BHAURAO DRAUPADA	44
4	LAKHE BHUSHAN RAMDAS GEETA	46
5	SABALE HAUSA SAHEBRAO LAXMIBAI	46
6	GAIKWAD GANESH LAXMAN CHHAYA	42
7	KUNDE KISHOR SAMPAT SEETA	40
8	SHINDE SADHANA SUDHAKAR VIMAL	44
9	PADEKAR NILESH EKNATH REKHA	46
10	PADEKAR RAHUL EKNATH REKHA	30
11	JAWALE NIVRUTTI BHAORAO TULSABAI	38
12	MANGE HARISHCHANDRA NAMDEV	34
13	KEVARI KISHOR RAMDAS SUNITA	40
14	JAWALE AALFIYAJ MUSALI TASALIM	46
15	CHANDE SUNNY SUNIL SAVITA	46
16	GABHALE VISHNU CHANDAR DHONDABAI	30
17	WAGH GURUDEO BHARAT MIRA	42
18	KHADE NITIN YUVRAJ ASHA	46
19	DINKAR NIKITA KRISHNA SAVITA	46
20	KADU PRASAD BANDU MANJULA	42
21	DHAPTE SUVARNA MANGESH RENUKA	40
22	DHAPATE DEVARAM SURESH KAMAL	44
23	LAKHAMBARE AKSHAY DILIP PRAMILA	46
24	AWARI RUPALI PANDHARI MIRA	30
25	BHAKARE ASHWINI SADU VANDANA	40
26	DHASADE SAKSHI ROHIDAS ROHINI	40
27	ANDHALE PRASAD BHAGWAN YASHODA	46
28	SONAWANE AKASH RAJU RANJANA	46
29	BHOIR ROHINI NANDU YAMUNA	42
30	DANGARE PRERNA ANIL USHA	40
31	DESAI AKSHAY PRADIP SANGITA	44



32	KALE NEHA RAVINDRA NANDA	46
33	NAIK RUSHIKESH DEEPAK VAISHALI	30
34	BHOIR DEVESH PANDURANG BEBI	46
35	LANJEKAR RAJESH ANANT ARCHANA	46
36	BHANGARE RAVINDRA BHIMA RADHABAI	42
37	RAUT GEETA CHANDRAKANT JAYASHREE	40
38	RAO HEMANT PRADIP VANDANA	44
39	LAKADE KETAN RAMESH RESHMA	46
40	PASHTI DIPAK ASHOK KUNDA	30
41	SHENGAL SWAPNIL BALU JANABAI	42
42	TALPADE GANESH NAGU SUMAN	46
43	BHOIR VICKY BHARAT VANITA	46
44	DARODA BHAVESH UTTAM URMILA	42
45	DHASADE GANESH BHAU BHARATI	40
46	BINNAR PRIYANKA BANSI CHANDRAKALA	AB
47	IRNAK SANDIP SHANKAR INDUBAI	AB
48	FARDE PANKAJ SUNIL SUNITA	40
49	TUMBADE BHAU KALU VANDANA	44
50	BINNAR DARSHANA KRUSHNA SUMAN	46
51	NIPURTE DIPALI MALHARI MEENA	42
52	HARAD TUSHAR RAMESH ROHINI	40
53	CHAUDHARI VISHAL SUBHASH SAVITA	44
54	CHAUDHARI ROSHAN NARAYAN	46
55	SONAWANE BALU MANOHAR ANJANA	AB
56	SONAVALE POOJA VISHNU MEENA	40
57	PAWAR URMILA NAMDEV SHANTI	46
58	SANDE ASHWINI MAHESH SUVRNA	42
59	MENGAL ROHINI PANDHARINATH LAXMI	40
60	PAWAR PRANALEE YASHWANT	44
61	LOTE MAYUR BABANRAO BABUBAI	46

Asst. Prof. Vishal S. Bhosale
(H.O.D. GEO. DEPT.)



Prof. Kailas Kalkate

(Principal)

Jeevandeep Shaikshanik Sanstha Pol's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.



Jeevandeep Shaikshnik Sanstha
Arts ,Commerce & Science College ,Khardi

Tal. Shahapur Dist. Thane
(Affiliated to Mumbai University)

Activity Report

1. Nature of Activity :

Short Term Course :

2.Topic /Subject of the Activity :

Spoken English and Art of Writing

3.Objective for conducting the activity

Develop Communication Skills
Develop Art of writing skills

4.Methodology

Offline Lectures + Presentation
English

5.Department / Committee

6.Coordinator Name

Ass.Prof Reshma Ghoshwade

7.Date

12/04/2022 to 30/04/2022

Time

10 am to 12 pm

8.Venue :

9.Outcome

- Personality Development 30 Hours.

10.Description of Activity

(Separate Sheet Attach)

11.Proofs attached :

1.letters 2. Student list of participation 3.Certificate

4.Document 5.Photos 6. News 7.Any other

12..Coordinator Sing

Ghoshwade



C. G. M.

Principal

Jeevandeep Shaikshanik Sanstha Poi's
Art's, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.



Spoken English and Art of Writing Syllabus

- Personality development
- Interview skills
- Group discussion
- Blog writing
- Interview Writing
- Notice writing
- Report writing
- Creative writing
- Expansion of idea / Topic
- Story writing
- Precis writing
- Analytical writing



Short Term Course Students Name

1)	Tripali	Ghatesan	FYBA
2)	Rutika	Bhala	FYBA
3)	Varsha	Awari	FYBA
4)	Anjali	Sharma	TYBA
5)	Dhiraj	Bhere	TYBA
6)	Kalpesh	Mhaskar	TYBA
7)	Dnyaneshwar	Khadake	TYBA
8)	Tripti	Khade	FYBA
9)	Atul	Mengal	FYBA
10)	Vaishali	Nirguda	FYBA
11)	Avinash	Dharsane	FYBA
12)	Priya	Sarukte	FYBA
13)	Rohit	Vghale	FYBA
14)	Sachin	Khokale	FYBA
15)	Kalu	Bhala	FYBA
16)	Jagruti	Patil	FYBA
17)	Anita	Ghane	FYBA
18)	Survana	Bhala	FYBA
19)	Keruna	Kirpan	FYBA
20)	Pradnya	Ubale	FYBA





DEPARTMENT OF GEOGRAPHY

CERTIFICATE COURSE

1



Jeevandeep shaikshanik santha Poi's
Arts, Commerce and Science College Khardi

Commerce Department

Short Term Course on Share Market

Board of Studies 2021-22

Sr No	Designation	Name of Person
1	Chairman	Prof. K.R.Kalkate (Principal)
2	Member	Asst.Prof. S.I.Khan (Co-ordinator and HOD of Department)
3	Member	Prof..Mayuri Kamble (Expert) Jssp A/C/S college Goveli
4	Member	Asst.Prof.Nilesh Sarakte
5	Member	Asst.Prof Aparna Jadhav
6	Member	Asst Prof. Vishal Bhosale (IQAC-Coordinator)

Minutes of the Meeting

Board of Studies meeting of the Short term Certificate Course in Stock Exchange and Trading. It was conducted on 21-01-2021 at 12.00 p.m. in the Department of Commerce. The following members were present in the meeting. Following Points are discussed in this meeting.

1. Syllabus formation of skill Enhancement as well as self Employment short term course.
2. Dissemination of work
3. Encouragement of Student
4. Exam of short term course


Co-Ordinator



Members



Principal

Jeevandeep Shaikshanik Sanstha Poi's
Arts, Commerce & Science College Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

**JEEVANDEEP SHAIKSHNIK SANSTHA POI'S
ARTS , COMMERCE AND SCIENCE COLLEGE, KHARDI
COMMERCE DEPARTMENT**

Short-term Course-Stock Exchange and Trading

Syllabus

Sr.No.	Contents	No.ofLectures
1.	Some Basic Concepts of Corporate Finance Sources of own capital-Shares Features and types of shares Equity shares and its features Preference shares and its features Types of preference shares Distinguish between shares and debentures Distinguish between equity and preference shares	6
2.	Sources of Borrowed Capital Debentures: Meaning and types Features of debentures Acceptance of public deposit Bond: meaning and types ADR and GDR Commercial banks Financial Institutions Trade credit	6
3.	Financial Market Money Market -Meaning and features Capital Market-Meaning and features Stock Exchange -Meaning and features Functions of Stock Exchange Important term related to the stock exchange Major Stock Exchange in India-BSE,NSE,SEBI	6



4.	Software Introduction for Stock Trading How to use Kite app for online trading AMO(After Market Orders) App Overview -cover order GTT Iceberg order Product type	6
5.	Practical knowledge on Trading Chart (1 lec) Candle Types (2 lec) Trend line (2 lec) Break Out (1 lec)	6





JEEVANDEEP SHAIKSHNIK SANSTHA'S
ARTS, COMMERCE AND SCEINCE COLLEGE, Khardi
COMMERCE DEPARTMENT
Result Analysis (2021-22)
Short Term Course on Share Market

SR.NO.	NAME OF STUDENT	Marks
1	Asmita Dilip Gawari	17
2	Nikita Ravindra Bondre	18
3	Priyanka Balu Bhoir	15
4	Madhura Devram Fasale	12
5	Jyoti Narayan Gilande	16
6	Sapana Sanjay Dondre	15
7	Mayuri Ramnath Awari	17
8	Madhuri Ramnath Umbargonde	16
9	Akshda Keru Dhasade	13
10	Shreya Arjun Yashwantarao	19
11	Nilam Shankar Bhoir	16
12	Karishma Sunil Sherekar	15
13	Sonali Laxman Darekar	17
14	Pooja Pandurang Kirkire	16
15	Kunal Rajendra Bhoir	14
16	Chetan Bhagwan Bhare	13
17	Raju Suresh Budbude	19
18	Bhavesh Pandit Chavhan	17
19	Tushar Shivaji Gole	16
20	Dhiraj Ramdev Dhasade	14
21	Prasad Pandit Kuvare	13
22	Rohit Ananta Vishe	11
23	Rohan Ravidas Wangad	19
24	Devendra P. Nipurte	17
25	Avinash .A. Kankoshe	18
26	Vinita.M. Madke	15
27	Reshma Ananta Bhoir	12
28	Priyanka Manohar Bhoir	16
29	PAWAR AJINKYA NITIN	15
30	THOMBARE YUVRAJ KISAN	17
31	DONDE PRASAD RAJENDRANATH	16
32	HARAD NILESH EKNATH	13
33	KANKOSHE AVINASH ANIL	17
34	LOHAKARE VRUSHALI SITARAM	18
35	MALI PRAKASH RAMESH	15
36	DEORUKHKAR VIRAJ NARESH	12
37	AMALE BHAVANA PRAKASH	16
38	RAJPUT PRIYANKA BABUSINGH	15
39	BHOIR RAHUL CHANDRAHANS	17



40	SARKHOT MANDAR SHARAD	16
41	CHAURE PRATIK NIVRUTTI	13
42	DHANKE KUNAL VILAS	17
43	DHASADE AKSHADA KERU	18
44	DHASADE NIKITA GURUNATH	15
45	DHASADE PRATIK UMESH	12
46	SASE PRATIK NARAYAN	16
47	SAWANT OMKAR DILIP	15
48	CHAMPANERI VAIBHAV PRAFUL	17
49	CHAUDHARI PRAJYOT DHARMA	16
50	CHAUDHARI PREM DILIP	13
51	CHAUDHARI RAHUL GAURU	17
52	GHADSHI SANIKA ANIL	18
53	GHARAT BHUSHAN GANPAT	15
54	GHARAT VASUDHA SUBHASH	12
55	GHODVINDE KALPESH BHASKAR	16
56	INGALE ANUJ CHANDRAKANT	15
57	JADHAV SALONI DEEPAK	17
58	JAGE AKSHAY SHIRISH	16
59	VISHE SAMIR DNYANESWAR	13
60	VISHE KAPIL BANDU	17
61	MHASANE RAVINA RAMCHANDRA	18
62	SANDE SAKSHI BABU	15
63	PADWAL UMESH BHAU	12
64	KIRPAN ABHIJIT DILIP	16
65	FODSE UDDHAV BALU	15
66	KHARBE AMAN ADIL	17
67	SAPAT ADITI ANIL	16
68	TEMBHE DARSHAN SURESH	13
69	BANGAR RUSHIKESH BALARAM	17
70	GAIKAR MANISH RAJARAM	18
71	MAGAR VISHAL BALARAM	15
72	PADVAL SIDDHARTH EKANATH	12
73	GORLE BHAVESH RAVINDRA	16
74	PATIL SAHIL YASHAWANT	15
75	SUROSHI DHIRAJ SUBHASH	17
76	SARKHOT VISHAL VILAS	16
77	SHAIKH ABDUL RAHEMAN	13
78	SHAIKH MUSKAN NIYAJ	17
79	SHAIKH SALINA NIYAJ	18
80	SHAIKH SHAHIN BEGUM	15
81	SHARMA AMAN PRAKASH	12
82	SHELAR AVINASH CHANDRAKANT	16
83	SHELAWALE SUCHIT MADHUKAR	15
84	SHELVALE AJAY ASHOK	17
85	SHID NIKITA SURESH	16
86	SHINDE ARYAN SANJAY	13
87	SINGH ANJALI KUMARI SOHAN	17
88	DHASADE SHITAL SUNIL	18



89	DIGE TANUJA MARUTI	15
90	DUBHELE KIRTI MARUTI	12
91	DUBHELE MANASI KARTIK	16
92	DUBHELE SAMIR VAMAN	15
93	GHADSHI SANIKA ANIL	17
94	KOKATARE BHARAVI DATTU	16
95	JOSHI KIRAN KISAN	13
96	TUPANGE RIDDHI GAJANAN	17
97	GHADI KASTURI NAMDEV	18
98	CHAUDHARI ASHWINI VINOD	15
99	SINGH RENUKA KARAN	12
100	KHANDAGALE SAKSHI SHANTARAM	16



[Handwritten Signature]

Principal

Jeewanand Deep Shaikshanik Sanstha Poir's
Art's, Commerce & Science College Khardi
Khadi, Tal. Shahapur, Dist. Thane 421 601.

Arts, Commerce and Science College, Khardi

Tal-Shahapur, Dist-Thane

Short Term Course: Stock Exchange and Trading

Q 1) Stock exchange is -----market

- A) Primary B) Secondary C) Both A & B D) None of above

Q 2) Following is example of money market

- A) Treasury bill b) Debentures) Equity share D) Preference share

Q 3) He is a dealer in stock exchange who carries on trading of securities

- A) Broker b) Jobber) Bull D) Stag

Q 4) It is Asia's first stock exchange

- A) Tokyo stock exchange B) SSE C) NSE D) BSE

Q 5) The SEBI was established in -----

- A) 1990 B) 1991 C) 1992 D) 1993

Q 6) On ----- debentures name of holder is not recorded

- A) Secured B) Unsecured) Bearer D) Registered

Q 7) -----depository receipt traded in USA

- A) GDR B) ADR C) CDR D) NDR

Q 8) -----Debentures can be converted in to equity share

- A) Redeemable B) Secured c) Unsecured D) Convertible

Q 9) The owner of share is called as

- A) Partner B) Broker C) Shareholder D) Debtor

Q 10) the-----shares do not have normal voting rights

- A) Equity B) IPO C) Preference D) Market

Q 11) -----can be issued by both private company and public ltd. Company

- A) Shares and debenture B) Shares C) Debenture D) None of this



Q 12) Which is the following is product type

A) CNC B) MIS (Margin intraday square off) C) NRML (Normal F&O trades) D) All of the above

Q 13)) Which is the following is order type

A) Limit (LMT) order B) Market (MKT) order c) Stop loss or trigger orders (SL and SL-M) D) All of the above

Q 14) In the actual traded price as compared to the price of the instrument when the order was placed is called

A) Impact cost B) Implicit cost c) Exclusive cost D) None of above

Q 15) Place orders for the next trading day the previous day itself

A) AMO (After market orders) B) GTT C) Cover order D) Non of the above

Q 16) How many companies are a part of sensex (stock exchange sensitive)

A) 20 B) 30 C) 50 D) 100

Q 17) when was NIFTY (National stock exchange Fifty) established

A) 1992 B) 1998 C) 1996 D) 1994

Q 18) The headquarter of the national stock exchange is situated in

A) Mumbai B) Kolkata C) Chennai D) Delhi

Q 19) The promoter of the national stock exchange

A) SBIB) LIC C) IDBI D) All of the above

Q 20) The first computerized online stock exchange in India was

A) NSE B) OTCEI C) BSE D) MCX





REDMI NOTE 5 PRO
MI DUAL CAMERA

REDMI NOTE 5 PRO
MI DUAL CAMERA





EDMI NOTES PRO
11 DUAL CAMERA



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11 DUAL CAMERA



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11 DUAL CAMERA



EDMI NOTES PRO
11 DUAL CAMERA









Jeevandeep Shaikshnik Sansthas Poi's
Arts, Commerce and Science College, Khardi
At Khardi, Tal. Shahapur, Dist. Thane-421601
(Affiliated to Mumbai University)

शॉर्ट टर्म कोर्सचा अहवाल – "Research Methodology"

अभ्यास मंडळ 2021-22

Sr. No.	Designation	Name of Person
1.	Chairman	Prof. K.R.Kalkate (Principal)
2.	Member	Asst. Prof. Rasika Sakpal (H.O.D Economics Dept)
3.	Member	Prof. Mayuri Kamble(Expert) Jssp A/C/S college Goveli
4.	Member	Asst. Prof. Vishal Bhosle (IQAC - Coordinator)
5	Member	Asst. Prof. Sharad Khakar





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सभेचे इतिवृत्त

आज दि. 26/02/2022 रोजी दुपारी 12.30 वाजता "Research Methodology" शॉर्ट टर्म कोर्से च्या बैठकीचे आयोजन करण्यात आले होते . या सभेसाठी अभ्यास मंडळातील सदस्य उपस्थित होते या सभेमध्ये खालील घटकावर चर्चा करण्यात आली.

1. "Research Methodology" चा अभ्यासक्रम तयार करणे.
2. कामाचा वाटप.
3. विद्यार्थ्याला प्रोत्साहन
4. शॉर्ट टर्म कोर्सची परीक्षा

Principal

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सदस्य





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“Research Methodology” कौर्ससाठी अभ्यासक्रम”

Lecture 1- 4: संशोधन पद्धतीचा परिचय
संशोधन पद्धतीचा आढावा
संशोधनाचे प्रकार: गुणात्मक व परिमाणवाचक
विविध क्षेत्रातील संशोधनाचे महत्त्व
संशोधनात नैतिक विचार

Lecture 5- 8: संशोधन डिझाइन
संशोधन प्रश्न आणि उद्दिष्टे तयार करणे
योग्य संशोधन पद्धती निवडणे
प्रायोगिक रचना वि. निरीक्षणात्मक अभ्यास
सॅम्पलिंग तंत्र आणि नमुना आकाराचे निर्धारण

Lecture 8- 11: डेटा संकलन आणि विश्लेषण
डेटा गोळा करण्याच्या पद्धती: सर्वेक्षण, मुलाखती, प्रयोग इ.
डेटा प्रक्रिया
सांख्यिकीय विश्लेषणाचा परिचय
वर्णनात्मक वि. अनुमानात्मक आकडेवारी

Lecture 12- 15: संशोधन प्रस्ताव आणि अहवाल लिहिणे
संशोधन प्रस्तावाची रचना आणि घटक
साहित्य समीक्षा लिहिणे
संशोधनाचे निष्कर्ष प्रभावीपणे सादर करणे
उद्धरण शैली आणि संदर्भ





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शॉर्ट टर्म कोर्सचा अहवाल – "Research Methodology"

अर्थशास्त्र विभागाने 2021-22 या शैक्षणिक वर्षात "Research Methodology" नावाचा करिअरअभिमुख अभ्यासक्रम चालविला आहे. एकूण 20 विद्यार्थी या अभ्यासक्रमात सहभागी झाले आहेत. विद्यार्थ्यांना नोकरीच्या संधीसाठी अर्ज आणि मुलाखतीच्या विविध पद्धती आणि तंत्र शिकवण्यात आले. तयार केलेला अभ्यासक्रम निर्धारित वेळेत पूर्ण करण्यात आला आणि विद्यार्थ्यांची कौशल्ये तपासण्यासाठी परीक्षा घेण्यात आली. सर्व विद्यार्थ्यांनी हा अभ्यासक्रम यशस्वीपणे पूर्ण केला आहे.



विभाग प्रमुख

पाचार्य
Principal

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"Research Methodology Course Exam"

Time- 10:00 – 11:00 AM

Marks- 25

Name of Student -

Date-.....

Roll No-.....

Class-.....

1. संशोधन पद्धतीमध्ये काय समाविष्ट आहे?
 - a) विश्लेषण
 - b) डेटा संकलन
 - c) प्रयोग
 - d) वरील सर्व
2. खालीलपैकी कोणती प्राथमिक संशोधन पद्धत आहे?
 - a) सर्वेक्षण
 - b) साहित्य समीक्षा
 - c) केस स्टडी विश्लेषण
 - d) निरीक्षणात्मक अभ्यास
3. संशोधनात साहित्य समीक्षेचा उद्देश काय आहे?
 - a) निष्कर्षाचा सारांश देण्यासाठी
 - b) संशोधनातील अंतर ओळखणे
 - c) डेटाचे विश्लेषण करणे
 - d) प्रयोग आयोजित करणे
4. खालीलपैकी कोणते गुणात्मक संशोधनाचे उदाहरण आहे?
 - a) पहाणी
 - b) प्रयोग
 - c) मुलाखत
 - d) सांख्यिकीय विश्लेषण
5. संशोधन उद्दिष्टांचे महत्त्व काय आहे?
 - a) ते संशोधन प्रक्रियेचे मार्गदर्शन करतात
 - b) ते निष्कर्षाचा सारांश देतात
 - c) ते डेटा सादर करतात
 - d) ते परिणामांचे विश्लेषण करतात
6. गृहीतक म्हणजे काय?
 - a) एक सिद्ध तथ्य
 - b) एक सुशिक्षित अंदाज



- c) एक यादृच्छिक निरीक्षण
- d) अंतिम निष्कर्ष

7. खालीलपैकी कोणते गुणात्मक डेटाचे वैशिष्ट्य आहे?

- a) संख्यात्मक
- b) वर्णनात्मक
- c) सांख्यिकीय
- d) परिमाण करण्यायोग्य

8. संशोधनात सॅम्पलिंगची भूमिका काय आहे?

- a) डेटा गोळा करणे
- b) डेटाचे विश्लेषण करणे
- c) प्रतिनिधी गट निवडणे
- d) निष्कर्षाचा सारांश देण्यासाठी

9. खालीलपैकी कोणते संशोधन नैतिक तत्त्व आहे?

- a) प्रामाणिकपणा
- b) पक्षपात
- c) फेरफार
- d) साहित्यिक चोरी

10. संशोधनात डेटा विश्लेषणाचा उद्देश काय आहे?

- a) डेटा गोळा करणे
- b) निष्कर्षाचा अर्थ लावणे
- c) प्रयोगांची रचना करणे
- d) गृहीतके तयार करणे

11. खालीलपैकी कोणते संशोधन साधनाचे उदाहरण आहे?

- a) सर्वेक्षण प्रश्नावली
- b) संशोधकाचे मत
- c) साहित्य समीक्षा
- d) संशोधन उद्दिष्टे

12. संशोधनात पीअर रिव्ह्यूचे महत्त्व काय आहे?

- a) संशोधन निष्कर्ष प्रमाणित करण्यासाठी
- b) डेटा गोळा करणे
- c) परिणाम हाताळण्यासाठी
- d) निष्कर्षाचा सारांश देण्यासाठी

13. खालीलपैकी कोणती संशोधन रचना सामान्य आहे?

- a) केस स्टडी
- b) साहित्य समीक्षा
- c) ओपिनियन पोल
- d) गृहीतक सूत्रीकरण

14. संशोधन प्रस्तावाचा उद्देश काय आहे?

- a) डेटा गोळा करणे
- b) संशोधन योजनेची रूपरेखा तयार करणे



- c) परिणामांचे विश्लेषण करणे
- d) निष्कर्ष सादर करणे

15. संशोधनामध्ये अवलंबून व्हेरिएबल म्हणजे काय?

- a) परिणाम व्हेरिएबल
- b) फेरफार केलेले चल
- c) स्थिर चल
- d) कंट्रोल व्हेरिएबल

16. संशोधनात नियंत्रण गट म्हणजे काय?

- a) अभ्यासाधीन गट
- b) स्वतंत्र व्हेरिएबलच्या संपर्कात नसलेला गट
- c) सर्व चलांच्या संपर्कात असलेला गट
- d) अवलंबित व्हेरिएबलच्या संपर्कात आलेला गट

17. गुणात्मक संशोधनाची मर्यादा खालीलपैकी कोणती आहे?

- a) व्यक्तिनिष्ठता
- b) नमुन्याचा मोठा आकार
- c) सांख्यिकीय विश्लेषण
- d) सामान्यीकरण

18. संशोधनात त्रिकोणाचा उद्देश काय आहे?

- a) डेटा हाताळण्यासाठी
- b) निष्कर्ष प्रमाणित करण्यासाठी
- c) डेटा गोळा करणे
- d) परिणाम सारांशित करण्यासाठी

19. खालीलपैकी कोणते संशोधन गृहीतकेचे उदाहरण आहे?

- a) आकाश निळे आहे.
- b) सर्व मानवांना दहा बोटे आहेत.
- c) वाढत्या व्यायामामुळे वजन कमी होते.
- d) पक्षी उडू शकतात.

20. संशोधन टाइमलाइनचे महत्त्व काय आहे?

- a) निष्कर्षाचा सारांश देण्यासाठी
- b) संशोधन योजनेची रूपरेखा तयार करणे
- c) डेटा गोळा करणे
- d) निष्कर्ष सादर करणे

21. खालीलपैकी कोणते सर्वेक्षण संशोधनाचे नुकसान आहे?

- a) मर्यादित प्रतिसाद दर
- b) वस्तुनिष्ठ डेटा संकलन
- c) मोठा नमुना आकार
- d) सांख्यिकीय विश्लेषण

22. संशोधनामध्ये यादृच्छिकीकरणाचा हेतू काय आहे?

- a) डेटा हाताळण्यासाठी
- b) पक्षपात दूर करण्यासाठी



- c) परिणाम सारांशित करण्यासाठी
- d) निष्कर्ष प्रमाणित करण्यासाठी

23. खालीलपैकी कोणते संशोधन उद्दिष्टाचे उदाहरण आहे?

- a) गृहीतकांची चाचणी घेणे
- b) निष्कर्षाचा सारांश देण्यासाठी
- c) डेटा हाताळण्यासाठी
- d) डेटा गोळा करणे

24. संशोधन साहित्य समीक्षेचे महत्त्व काय आहे?

- a) निष्कर्ष प्रमाणित करण्यासाठी
- b) डेटाचे विश्लेषण करणे
- c) परिणाम हाताळण्यासाठी
- d) प्राथमिक माहिती गोळा करणे

25. संशोधन प्रसाराची भूमिका काय आहे?

- a) डेटाचे विश्लेषण करणे
- b) संशोधनाचे निष्कर्ष सामायिक करणे
- c) डेटा गोळा करणे
- d) गृहीतके तयार करणे



JEEVANDEEP SHAIKSHANIK SANSTHA'S POI'S ARTS, COMMERCE & SCIENCE COLLEGE

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Mumbai University Affiliation No. Aff / Recog. /6403 of 2008 dt. 17th Oct. 2008
Govt. of Maharashtra Order No. NGC 2008 / (218 / 08) MS - 3, dt. 16/6/2008

Khadi (E), Tal. Shahapur, Dist. Thane Pin 421 601. • Website : www.jsspcollegekhadi.in • Email: jeevandeepkhadi@gmail.com

Ref. : JSSP/ACSK / ____ /

Date : _____

शॉर्ट टर्म कोर्स - "Research Methodology" निकाल 2021-2022

Sr. No.	Roll No	Student Name	Class	Marks
1.	217224	GAWARI KOMAL SANTOSH	TYBA	15
2	217223	GABHALE PRITI RAJARAM	TYBA	19
3.	217243	TOKARE SACHIN GANGARAM	TYBA	24
4.	217202	THOMBARE KISAN TULASHIRAM	TYBA	17
5.	217204	THOMBARE BHAGWAN RAMDAS	TYBA	15
6.	217247	THAWLE YOGESH DATTATRAY	TYBA	20
7.	217207	TALPADE GOVINDA DAGADU	TYBA	19
8.	217225	SHINDE DIPALI DEVANAND	TYBA	20
9.	217246	SAVAR BHUSHAN BANDHU	TYBA	17
10.	217270	SAPATE DHANANJAY VIJAY	TYBA	15
11.	217260	SABLE CHETAN DINKAR	TYBA	22
12.	217211	PURANE ROSHAN HIRAMAN	TYBA	14
13.	217259	PADIR MONIKA PRAKASH	TYBA	18
14.	217218	KHADE ASMITA TANAJI	TYBA	24
15.	217268	KALCHIDA TANAJI RAGHO	TYBA	21
15.	217212	GODE VISHAL NANA	TYBA	16
17.	217238	GHATKE SANDIP MANGESH	TYBA	18
18.	197202	WAGH AKASH SUNIL	TYBA	22



19.	197203	UGHADE EKNATH MACHINDRA	TYBA	23
20	217213	Dole Manisha Bhima	TYBA	19

[Handwritten Signature]

Principal



Jeevandeep Shaikshanik Sanstha's College of Commerce & Science, Khardi, Tal. Shahapur, Dist. Thane 421 601.

Answer

- d) वरील सर्व
- c) केस स्टडी विश्लेषण
- b) संशोधनातील अंतर ओळखणे
- c) मुलाखत
- a) ते संशोधन प्रक्रियेचे मार्गदर्शन करतात
- b) एक सुशिक्षित अंदाज
- b) वर्णनात्मक
- c) प्रतिनिधी गट निवडणे
- a) प्रामाणिकपणा
- b) निष्कर्षाचा अर्थ लावणे
- a) सर्वेक्षण प्रश्नावली
- a) संशोधनाचे निष्कर्ष प्रमाणित करण्यासाठी
- a) केस स्टडी
- b) संशोधन योजनेची रूपरेषा तयार करणे
- a) परिणाम व्हेरिफेबल
- b) स्वतंत्र व्हेरिफेबलच्या संपर्कात नसलेला गट
- a) व्यक्तिनिष्ठता
- b) निष्कर्ष प्रमाणित करण्यासाठी
- c) वाढत्या व्यायामामुळे वजन कमी होते.
- b) संशोधन योजनेची रूपरेषा तयार करणे
- a) मर्यादित प्रतिसाद दर
- b) पक्षपात दूर करण्यासाठी
- d) डेटा गोळा करणे
- a) निष्कर्ष प्रमाणित करण्यासाठी



b) संशोधनाचे निष्कर्ष सामायिक करणे





Jeevandeep Shaikshnik Sanstha
Arts, Commerce & Science College, Khardi

Tal. Shahapur Dist. Thane
(Affiliated to Mumbai University)

Activity Report

1. Nature of Activity :

Course

2. Topic / Subject of the Activity :

Short-term course on Stock
Exchange and Trading

3. Objective for conducting the activity

To acknowledge Students
about the working of Stock
Exchanges practically.

4. Methodology

Oral, Power point

5. Department / Committee

Commerce

6. Coordinator Name

Asst. Prof. Salman Khan

Asst. Prof. Aparna Jadhav

Asst. Prof. Nilesh Sarakte

Asst. Prof. Sonam More

Asst. Prof. Santosh Sable

7. Date - 4/4/22 to 28-04-22

Time - 10:30 am - 11:30 am

8. Venue : Seminar Hall, College

9. Outcome - Departmental Resource

10. Description of Activity

(Separate Sheet Attach)

11. Proofs attached :

1. letters 2. Student list of participation 3. Certificate

4. Document 5. Photos 6. News 7. Any other

12. Coordinator Sing

Singh
More



Principal

Principal

Jeevandeep Shaikshnik Sanstha Poo's
Art's, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.



**Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE,
KHARDI**

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WEBSITE - www.jeevandeepkhardi.com

**DEPARTMENT OF INFORMATION TECHNOLOGY
CAREER ORIENTED SHORT TERM /CERTIFICATE**

**COURSE IN
ETHICAL HACKING**

YEAR 2021-2022



Jeevandeep Shaikshanik Sanstha's

ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI

TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA

Short term course- ETHICAL HACKING

Board of studies-

Sr.No	Designation	Name of the person
1	Chairman	Shri. Ravindrda Ghodvinde
2	Principal	Prof .K.R. Kalkate (Head of Marathi Dept.)
3	member	ASST.PROF. Mrs.PUSHPA RAMNATH SABALE(Head of IT Department)
4	member	ASST.PROF. Mrs. MITALI M. CHOUDHARI

Minutes of meeting

Board of Studies meeting of the Short Term Course / Certificate in ETHICAL HACKING was conducted on .3.01.2022 to 20.01.2022 at 12.00 pm in the offline meeting in meeting room .Above members were present in the meeting .

Following Points are discussed in this meeting.

1. Syllabus formation of ETHICAL HACKING short term course.
2. Dissemination of work.
3. Fee structure
4. Encouragement of Student

Place: JSSP College Khardi

Date:



JeevandeepShaikshanikSanstha's

**ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**

Department of Information Technology.

Short term course- ETHICAL HACKING

Time Table 2021-22

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12.00to 2.00	lecture	lecture	lecture	Practical	Practical	Practical

Faculty.

1. ASST.PROF. Mrs.PUSHPA RAMNATH SABALE (Head of IT Department)
2. ASST.PROF. Mrs. MITALI M. CHOUDHARI



Short term /Certificate Course in Ethical Hacking

Introduction:

This course is meant for the candidates who aspire to become a computational physicist and web designer for this students this course is a foundation course.

1.Course Objectives:

Students will learn

1. Understand security concepts, the importance of gathering data, footprinting, and system hacking.
2. Learn how intruders gain higher levels of access.
3. Explore web application security flaws and how attackers exploit them.
4. Understand how cybercriminals exploit security vulnerabilities.
5. Recognize how regular users can fall victim to cyber attacks by clicking on malicious links.

Details about Structure\Pattern of Syllabus:

Title of the course: Short Term Course in Ethical Hacking .

Course Code:

Duration of the Course: 15 days (30 hours)

Name of the Faculty: Science (Information Technology)

Medium of instructions : English

Eligibility/for admission Candidate should pass the higher secondary board or Equivalent with English as one of the subject.

Intake Capacity **120** Students for the course



Certificate course in EITHCAL HACKING

course	Theory & practical	credits	Total Marks
U1	Introduction to Ethical Hacking, Foot printing and Reconnaissance, Scanning Networks, Enumeration, Vulnerability Analysis, System Hacking	01+01	20
U2	Malware Threats, Sniffing, Social Engineering, Denial-of-Service, Session Hijacking	01+01	20
U3	Evading IDS, Firewalls, and Honeypots, Hacking Web Servers	01+01	20
U4	Hacking Web Applications, SQL Injection, Hacking Wireless Networks	01+01	20
U5	Hacking Mobile Platforms, IoT and OT Hacking	01+01	20
		10	100

Pattern of Examination:

Evaluation:

Examination will be held at the end of the course.

Standard of passing: Minimum 40%.

Pattern of Question paper: Theory Paper 50 Marks

Q1. Attempt any one 10 Marks

Q2. Attempt any one 10 Marks

Q3. Attempt any one 10 Marks

Q4. Attempt any one 10 Marks

Q.5. Attempt any one 10 Marks

Practical Examination 50 Marks

Q.1. Write a short programme on given topic. 40 Marks

Oral Exam 10 Marks



1. **Infrastructure Available:**

- a) ICT enabled Classroom
- b) Availability OF laboratory

2. **Teaching Faculty:**

Sr. No.	Name of the Faculty	Qualification	Experience
1	ASST.PROF. Mrs.PUSHPA RAMNATH SABALE (head of IT Department)	BE (E&T)	4 years
2	ASST.PROF. Mrs. MITALI M. CHOUDHARI	MSc (COMP)	2 years



Jeevandeep Shaikshanik Sanstha's

**ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**

Department of Information Technology.

Short term course- ETHICAL HACKING

(PROGRAMME SYLLABUS)

1	Introduction to Ethical Hacking Introduction: (Day 1) ○ What is Ethical Hacking ○ What are the different types of hackers ○ Five phases of hacking ○ Scope of Ethical Hacking ○ Brush up Linux (Optional) ○ ☐ Brush up networking (Optional)
2	Footprinting and Reconnaissance Information Gathering: (○ Passive Information Gathering ○ Active Information Gathering ○ Five phases of hacking ○ Scope of Ethical Hacking ○ Brush up Linux (Optional) ○ Brush up networking (Optional)
3	Scanning Networks ○ Use port scanning, network scanning tools, ○ IDS tool, sniffing tool and generate reports.
4	Enumeration
5	Vulnerability Analysis



6	System Hacking Introduction to Metasploit Framework - o Exploit MS17-010 Vulnerability - o Reverse TCP Connection Privilege Escalation using post exploit by passuac and get system - o Reverse connection in different network using port forwarding - o Android hacking using reverse TCP connection Show software based vulnerabilities (Badblue/iceblaster) Introduction to Active Directory - o Explain OU, DC, TREE, FOREST - o Explain LDAP - o Explain how AD works - o Explain smb share - o Explain SPN Introduction to Kerberos - o Explain how Kerberos works (Authentication Server, Ticket Granting Server, TGT etc) - o Explain Kerberoasting attack - o Mention - o ASREPROASTING - o Golden Ticket Malware (Different types of Malware, Virus and Trojan) - o AV bypass
7	Malware Threats
8	Sniffing Sniffing using Wireshark Man In the Middle Attack using the concept of ARP poisoning
9	Social Engineering
10	Denial-of-Service
11	Session Hijacking



12	Evading IDS, Firewalls, and Honeypots
13	Hacking Web Servers Website Attacks(cont) o Explain XSS attacks o Explain different types of XSS attacksPage 3 o Prevention
14	Hacking Web Applications Website Attacks(cont) - o Explain sql injection attacks - o Explain different kinds of sql injection attacks - o ☐ error based - o ☐ boolean based - o ☐ union based - o ☐ Mention: blind/time based - o Prevention - o Explain CSRF attacks and prevention - o Explain cookie stealing, session hijacking - o Show a login brute force example - o Talk about how to p - o Show data tampering attacks - o Phishing Attack - o o File upload vulnerability
15	SQL Injection
16	Hacking Wireless Networks Wireless Attacks - o Explain Wifi attacks (Deauth packets) - o Explain Wifi 4 way handshake - o Explain the attack scenario and procedure - o Explain fake access point attacks
17	Hacking Mobile Platforms



18	IoT and OT Hacking
19	Cryptography - o Symmetric Encryption Algorithm - o Asymmetric Encryption Algorithm - o Hash Algorithm - o Steganography



Principal
 Jeevandeep Shaikshanik Sanstha Pvt's
 Arts, Commerce & Science College Khardi
 Khardi, Tal. Shahapur, Dist. Thane 421 601.

Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST - THANE, STATE - MAHARASHTRA

Department of Information Technology.

Short term course- ETHICAL HACKING

Board of studies-2021-2022

Date: 20/01/22

C# Programming (Short Term Course) Theory Examination

February-2022 TimeTable

Sr. No.	Day/Date	Time	Seat No.	Total Students
1	24 JAN 2022(MONDAY)	12.00 to 2.00	213501-213528 216501-216539 219501-219540	105

Instructions:

1. The candidate should be present at least 15 min. before for the start of theory examination. Candidate coming late may not be examined.
2. Candidate should bring their college id entity card.
3. Use of mobile phones and other electronic gadgets are strictly prohibited in the examination hall.



Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA

Department of Information Technology.

Short term course- ETHICAL HACKING

Board of studies-2021-22

Date: 24/01/22

ETHICAL HACKING (Short Term Course) Practical

Examination February-2022 Time Table

Sr. No.	Day/Date	Time	Seat No.	Total Students
1	27 JAN 2022	12.00 to 2.00 pm	213501-213528 216501-216539 219501-219540	105

Instructions:

1. The candidate should be present at least 15 min. before for the start of theory examination. Candidate coming late may not be examined.
2. Candidate should bring their college id entity card.
3. Use of mobile phones and other electronic gadgets are strictly prohibited in the examination hall.



Jeevandeep Shaikshanik Sanstha's Arts, Commerce and Science

College, Khardi .2022

Department information Technology

Short term Course - ETHICAL HACKING

Subject ETHICAL HACKING

Marks= 50

Time= 1 hour

1. Scanning is performed in which phase of a pen test?

- A. Pre-attack
- B. Attack
- C. Post-attack
- D. Reconnaissance

Ans _____

2. What will an open port return from an ACK scan?

- A. RST
- B. SYN/ACK
- C. FIN
- D. Nothing

Ans _____

3. Your target system is behind a firewall. Using hping2, you craft SYN packets to send with a hop count capable of reaching the host. You then send these packets out with port numbers from 1 to 1024. What action are you performing?

- A. Firewalling
- B. Firewalking
- C. Passive footprinting
- D. XMAS scan

Ans _____

4. What is the preferred communications method used with systems on a bot-net?

- A. IRC
- B. E-mail
- C. ICMP
- D. TFTP

Ans _____



5. Which of the following best describes a distributed denial-of-service attack?

- A. A DoS against an entire subnet, affecting multiple systems
- B. A DoS against multiple systems across an enterprise network
- C. A DoS against similar systems in different target networks
- D. A DoS carried out by multiple systems

Ans _____

6. What does the program EliteWrap do?

- A. Provides secure, encrypted tunneling between hosts
- B. Provides proxy services to obfuscate source IPs
- C. Ports code easily between different operating systems
- D. Binds Trojans to legitimate files for exploitation later

Ans _____

7. What is the attack called "evil twin"?

- A. MAC spoofing
- B. ARP poisoning
- C. Rogue access point
- D. Session hijacking

Ans _____

8. Which of the following is a passive wireless discovery tool?

- A. NetStumbler
- B. Aircrack
- C. Kismet
- D. Not sniff

Ans _____

9. What is TKIP and how does it make WPA-2 a better security choice for your wireless network?

- A. Temporal Key Integrity Protocol. It forces a key change every 10,000 packets or so.
- B. Temporal Key Integrity Protocol. It forces a key change every time a bit is sent.
- C. Temporary Key Integration Protocol. It forces a key change every 10,000 packets or so.
- D. Temporary Key Integration Protocol. It forces a key change every time a bit is sent.

Ans _____



10. Which of the following is true regarding WEP cracking?

- A. Initialization vectors are small, get reused frequently, and are sent in cleartext.
- B. Initialization vectors are small, get reused frequently, but are encrypted during transmission.
- C. Initialization vectors are large, get reused frequently, and are sent in cleartext.
- D. Initialization vectors are large, get reused frequently, but are encrypted during transmission.

Ans _____

11. What is another term for turning off the SSID broadcast?

- A. SSID stealth
- B. SSID unicast
- C. SSID cloaking
- D. SSID Sec

Ans _____

12. What is the maximum length of an SSID?

- A. Eight characters
- B. Sixteen characters
- C. Thirty-two characters
- D. Sixty-four characters

Ans _____

13. Which wireless mode connects machines directly to one another, without the use of an access point?

- A. Point to point
- B. Infrastructure
- C. Ad hoc
- D. BSS
- E. ESS

Ans _____

14. Which wireless standard can operate at speeds of 100+ Mbps and uses the 2.4GHz to the 5GHz range?

- A. 802.11a
- B. 802.11b
- C. 802.11g
- D. 802.11n

Ans _____



15. What is Ethical Hacking?

- A. Hacking to steal sensitive information
- B. Hacking to identify vulnerabilities in a system
- C. Hacking to disrupt a system's functionality
- D. Hacking to cause damage to a system

Ans _____

16.. What is the main goal of ethical hacking?

- A. To cause damage to a system
- B. To gain unauthorized access to a system
- C. To identify and fix security vulnerabilities
- D. To steal sensitive information

Ans _____

17. What is the difference between ethical hacking and malicious hacking?

- A. Ethical hacking is legal and sanctioned, while malicious hacking is illegal and unsanctioned.
- B. Ethical hacking only involves finding vulnerabilities, while malicious hacking involves exploiting them.
- C. Ethical hacking is done with the permission of the system owner, while malicious hacking is done without permission.
- D. There is no difference between ethical hacking and malicious hacking.

Ans _____



18. What is a sandbox?

- A. A virtual environment used to isolate and execute untrusted software
- B. A physical device used to block network traffic
- C. A device used to analyze network traffic
- D. A tool used to analyze system logs

Ans _____

19. What is a phishing attack?

- A. An attack that exploits a software vulnerability
- B. An attack that floods a network with traffic
- C. An attack that steals sensitive information by tricking users into providing it
- D. An attack that intercepts communication between two parties

Ans _____

20. What is vulnerability scanning?

- A. The process of identifying security vulnerabilities in a system or network
- B. The process of encrypting sensitive information
- C. The process of hiding malicious activity on a system
- D. The process of monitoring network traffic

Ans _____

21. What is network mapping?

- A. The process of identifying the devices and topology of a network
- B. The process of encrypting network traffic
- C. The process of hiding malicious activity on a network
- D. The process of monitoring network traffic

Ans _____



22. What is a buffer overflow?

- A. A type of malware that spreads through email attachments
- B. A type of attack that exploits a software vulnerability
- C. A type of attack that floods a network with traffic
- D. A tool used to remove malware from a system

Ans _____

23. What is a virtual private network (VPN)?

- A. A device used to encrypt network traffic
- B. A device used to monitor network traffic
- C. A device used to block network traffic
- D. A device used to analyze system logs

Ans _____

24. What is an exploit?

- A. A type of malware that spreads through email attachments
- B. A type of attack that takes advantage of a software vulnerability
- C. A tool used to scan a network for vulnerabilities
- D. A type of attack that floods a network with traffic

Ans _____

25. What is a brute-force attack?

- A. An attack that intercepts communication between two parties
- B. An attack that floods a network with traffic to make it unavailable
- C. An attack that attempts every possible combination of characters to guess a password
- D. A type of malware that disguises itself as legitimate software

Ans _____



JeevandeepShaikshanikSanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA

Department of Information Technology.

Short term course Ethical Hacking

Practical's List for Ethical Hacking .

1. Study the use of network reconnaissance tools like WHOIS, dig, traceroute, nslookup to gather information about networks and domain registers
2. Study of packet sniffer tools like wireshark, ethereal, tcpdump etc
3. Use CryptTool to encrypt and decrypt passwords using RC4 algorithm.
4. Use Cain and Abel for cracking Windows account password using Dictionary attack and to decode wireless network passwords
5. Using TraceRoute, ping, ifconfig, netstat Command
6. Perform ARP Poisoning in Windows
7. Using Nmap scanner to perform port scanning of various forms – ACK, SYN, FIN, NULL, XMAS.
8. Use WireShark sniffer to capture network traffic and analyze.
9. Simulate persistent Cross Site Scripting attack.
10. Session impersonation using Firefox and Tamper Data add-on
11. Perform SQL injection attack
12. Create a simple keylogger using python
13. Using Metasploit to exploit



Jeevandeep Shaikshanik Sanstha's

**ART'S, COMMERCE & SCIENCE COLLEGE, Khardi
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**

Department of Information Technology.

Short term course- ETHICAL HACKING

Board of studies-2021-2022

SR.NO	STUDENT NAME	ROLL NAME	Practical	oral
1	SHINDE RITIK SANJAY MEENA	213501	19	4
2	KOKANE GOKUL TANAJI VIMAL	213502	22	6
3	MAHAJAN SWAPNIL RAJESH SUNANDA	213503	34	5
4	SAWANT VIVEK NARENDRA NAMRATA	213504	23	8
5	JADHAV SOMNATH MADHUKAR CHANDRABHAGA	213505	27	6
6	KANKOSHE SARTHAK KANTILAL SARITA	213506	21	4
7	IRNAK YASH SANTOSH ARUNA	213507	30	6
8	LAD SHUBHAM PANDURANG PRATIKSH	213508	23	7
9	PATIL BHAVESH UMESH VRUSHALI	213509	29	8
10	VIRKAR RANI LAXMAN SANGITA	213510	25	4
11	NICHITE DHANASHRI SITARAM SUVARANA	213511	26	4
12	JADHAV PRACHITEE YASHAWANT YASHPRIYA	213512	18	6
13	DESALE ARATI SHIVAJI SUJATA	213513	32	4
14	PATIL ISHWAR BHALACHANDRA BHARTI	213514	29	6
15	PATANKAR RITIKA SHASHIKANT SHRADDHA	213515	35	5
16	BHOIR VRUSHALI VINAYAK SAVITA	213516	28	8



17	NADEKAR YASH NAGU ASHA	213517	26	6
18	HAMBIR KETAN BHASKAR BHARTI	213518	31	4
19	KOLEKAR YADNESH PANDURANG PRANITA	213519	25	6
20	GANGURDE PRAVIN NIVRUTTI BEBE	213520	26	7
21	UBALE HARSHADA SUNIL ROHINI	213521	34	8
22	DONGARE SHUBHAM ARUN ANKITA	213522	23	4
23	HARANE DIPTI SANJAY SUVARNA	213523	27	6
24	SHEWALE KUNAL TANAJI SUNITA	213524	21	5
25	GAIKWAD SUMIT SOMNATH GEETA	213525	30	8
26	VISHE YASH RAMCHANDRA ANJANA	213526	23	6
27	SINGH SATYAM SUGRIV MUNNI	213527	29	4
28	DONDE KARAN KIRAN MANISHA	213528	25	6
29	VIR SAGAR SHIVRAM ANITA	216501	26	7
30	LAD PRATIK PANDURANG PRATIKSHA	216502	18	8
31	BHAGAT NISHANT VIJAY VAISHALI	216503	32	5
32	GAVHALE SUDHANSHU SHRIKRISHNA SUMAN	216504	29	4
33	BHOIR ROHAN RAVINDRA RESHMA	216505	24	6
34	SHINDE SIDDHARTH RAJU REKHA	216506	35	5
35	MUNDHE PRIYANKA MOHAN BHIMABAI	216507	27	8
36	RAO GANESH DNYANESHWAR SHILABAI	216508	26	6
37	CHAUDHARI SAGAR DAULAT SANDHYA	216509	25	4
38	DANIEL MELVIN MANUEL	216510	30	6
39	BORSA HARESH BALWANT PUSHPA	216511	23	7
40	CHARTHAD SHUBHAM PURUSHOTTAM KALPANA	216512	27	8
41	DHASADE ANIKET VISHAWAS SAVITA	216513	21	5
42	BINNAR SACHIN CHANDRAKANT SITA	216514	30	4



43	SURYARAO PRANALI RAVINDRA SANGEETA	216515	23	6
44	DUBHELE AMAR BHAGWAN BHAGYASHREE	216516	29	5
45	GAIKARR PRASHANT BUDHAJI VAISHALI	216517	25	8
46	TURUKMANE SANDEEP BHANUDAS SHOBHA	216518	26	6
47	GHARE NITIN NATHU LAXMI	216519	18	7
48	DHURI RAM MARUTIRAO MADHAVI	216520	21	6
49	BHOIR ROSHAN SUNIL VANITA	216521	25	7
50	BHANGRE LALITA BHARAT LATA	216522	34	8
51	SUDRIK NIKESH NANDKUMAR NAMRATA	216523	23	6
52	VISHE SATISH VITTHAL VANDANA	216524	27	4
53	SHENDGE SAGAR TUKARAM MATABAI	216525	21	6
54	MALHARI KRUSHNA ASHOK LALITA	216526	30	5
55	MORE NIKHIL CHANDRAKANT CHITRA	216527	23	6
56	SHINDE CHETAN DHONDU PUSHPA	216528	29	6
57	PATIL PRATHAMESH JITENDRA URMILA	216529	25	4
58	GIRI HITESH SHANTARAM MAYA	216530	26	6
59	CHAUDHARI SHRUTI RAVINDRA ASHA	216531	18	7
60	GOIKANE LALIT KALU MINA	216532	32	8
61	PASALKAR ANKUSH TUKARAM ASHA	216533	29	8
62	PANDHARE KAJAL SUNIL SUGANDHA	216535	35	4
63	JADHAV UMESH RAGHUNATH SHOBHA	216536	28	6
64	SALVE PRASHANT PRAJAPATI KAVITA	216537	34	5
65	HANDORE HRITIK SUNIL SANGITA	216539	23	8
66	ZUGARE MAMATA SANYA SONI	219501	27	6
67	BHOIR PRADIP KASHINATH INDUBAI	219502	21	4
68	KEDARE SHIVAM SUNIL SUJATA	219503	30	6



69	THAKARE PRATIK HARISHCHANDRA ANJANA	219504	23	7
70	HIVALE BHAVESH KHANDU KARUNA	219505	29	8
71	PASHTE YASHRAJ KASHINATH VIJAYA	219506	25	5
72	KHATEGHARE DEVENDRA HARISH JAYASHRI	219507	26	4
73	WAYAL PANDHARINATH KALU ANJANA	219508	18	6
74	BADAD ROHAN SHARAD JAYASHREE	219509	32	5
75	BHANGARE KARAN ASHOK YOGITA	219510	29	8
76	MOKASHI KOMAL VILAS VARSHA	219511	35	6
77	PATIL SNEHAL BHALACHANDRA BHARATI	219512	28	4
78	PATIL AMOL MADHUKAR MADHURI	219513	34	6
79	SABALE SAMPAT DHONDU CHANDRABHAGA	219514	23	7
80	THAKARE RAKESH HIRAKANT APARNA	219515	27	3
81	CHAUDHARI RAHUL NAMDEV NANDA	219516	21	7
82	TAKUR PRAJAKTA BAJIRAO KIRTI	219517	30	4
83	GODE NARAYAN RAMDAS BARKHABAI	219518	23	6
84	DHAPATE DILIP MALU MUKTI	219519	29	5
85	BHALERAO AKSHAY ARUN SUMAN	219520	25	8
86	JADHAV DEVIDAS PRAKASH HIRA	219521	26	6
87	BHOIR HARSHAL SHANTARAM URMILA	219522	18	4
88	JAWALE JAYESH JANKU SUMAN	219523	32	6
89	SHINDE DHIRAJ SITARAM MOHAR	219524	29	7
90	PATIL MAHESH DHANRAJ PUSHPA	219525	35	8
91	GORE LATIF FAROOQUE SALMA	219526	28	4
92	MURUMKAR SAFWAN MUJAHID SHABISTA	219527	34	5
93	PATIL ROHIT BALCHANDRA SMITA	219528	23	7
94	KUMAVAT PRAJAKTA SANJAY SUNITA	219529	27	6



95	PANDIT PRATIKSHA RAHUL JYOTI	219530	21	8
96	PATIL KUNDAN LAHU SHARADA	219531	30	4
97	KONDAR VISHAL BHARAT MEENA	219532	23	6
98	RATHOD PRATIK VINOD NILIMA	219533	29	9
99	PAWSHE RUTIK SURYAKANT MANISHA	219534	25	4
100	GOLHE PRADNYA NARAYAN RANJANA	219535	26	5
101	BHOIR DIPALI RAMESH KAMAL	219536	18	6
102	CHAUDHARI SAURABH GANPAT MANISHA	219537	32	8
103	DONGARE ABHISHEK ASHOK MANDAKINI	219538	29	5
104	SHAIKH SHABAN ANSAR MUNNI	219539	35	6
105	JADHAV SONALI YASHWANT GULAB	219540	20	9

[Handwritten Signature]

Principal

Jeevandeep Chaikshani Sanstha Poi's
Arts, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.



Jeevandeep Shaikshanik Sanstha's

**ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**

Department of Information Technology.

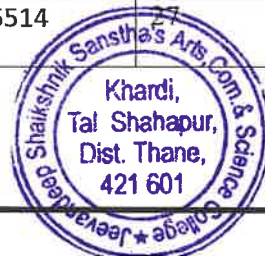
Short term course- ETHICAL HACKING

Board of studies-2021-2022

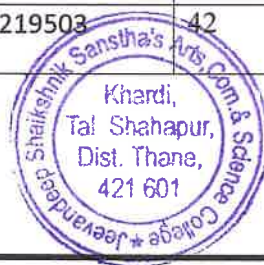
SR.NO	STUDENT NAME	ROLL NAME	Theory	Practical	totals
1	SHINDE RITIK SANJAY MEENA	213501	22	23	45
2	KOKANE GOKUL TANAJI VIMAL	213502	24	28	52
3	MAHAJAN SWAPNIL RAJESH SUNANDA	213503	24	39	63
4	SAWANT VIVEK NARENDRA NAMRATA	213504	32	31	63
5	JADHAV SOMNATH MADHUKAR CHANDRABHAGA	213505	24	33	57
6	KANKOSHE SARTHAK KANTILAL SARITA	213506	42	25	67
7	IRNAK YASH SANTOSH ARUNA	213507	31	36	67
8	LAD SHUBHAM PANDURANG PRATIKSH	213508	25	30	55
9	PATIL BHAVESH UMESH VRUSHALI	213509	26	37	63
10	VIRKAR RANI LAXMAN SANGITA	213510	28	29	57
11	NICHITE DHANASHRI SITARAM SUVARANA	213511	27	30	57
12	JADHAV PRACHITEE YASHAWANT YASHPRIYA	213512	35	24	59
13	DESALE ARATI SHIVAJI SUJATA	213513	20	36	56
14	PATIL ISHWAR BHALACHANDRA BHARTI	213514	40	35	75
15	PATANKAR RITIKA SHASHIKANT SHRADDHA	213515	35	40	75
16	BHOIR VRUSHALI VINAYAK SAVITA	213516	26	36	62



17	NADEKAR YASH NAGU ASHA	213517	28	32	60
18	HAMBIR KETAN BHASKAR BHARTI	213518	41	35	76
19	KOLEKAR YADNESH PANDURANG PRANITA	213519	27	31	58
20	GANGURDE PRAVIN NIVRUTTI BEBE	213520	40	33	73
21	UBALE HARSHADA SUNIL ROHINI	213521	24	42	66
22	DONGARE SHUBHAM ARUN ANKITA	213522	32	27	59
23	HARANE DIPTI SANJAY SUVARNA	213523	24	33	57
24	SHEWALE KUNAL TANAJI SUNITA	213524	42	26	68
25	GAIKWAD SUMIT SOMNATH GEETA	213525	31	38	69
26	VISHE YASH RAMCHANDRA ANJANA	213526	25	29	54
27	SINGH SATYAM SUGRIV MUNNI	213527	26	33	59
28	DONDE KARAN KIRAN MANISHA	213528	28	31	59
29	VIR SAGAR SHIVRAM ANITA	216501	27	33	60
30	LAD PRATIK PANDURANG PRATIKSHA	216502	35	26	61
31	BHAGAT NISHANT VIJAY VAISHALI	216503	20	37	57
32	GAVHALE SUDHANSHU SHRIKRISHNA SUMAN	216504	40	33	73
33	BHOIR ROHAN RAVINDRA RESHMA	216505	35	30	65
34	SHINDE SIDDHARTH RAJU REKHA	216506	24	40	64
35	MUNDHE PRIYANKA MOHAN BHIMABAI	216507	32	35	67
36	RAO GANESH DNYANESHWAR SHILABAI	216508	24	32	56
37	CHAUDHARI SAGAR DAULAT SANDHYA	216509	42	29	71
38	DANIEL MELVIN MANUEL	216510	31	36	67
39	BORSA HARESH BALWANT PUSHPA	216511	25	30	55
40	CHARTHAD SHUBHAM PURUSHOTTAM KALPANA	216512	26	35	61
41	DHASADE ANIKET VISHAWAS SAVITA	216513	28	26	54
42	BINNAR SACHIN CHANDRAKANT SITA	216514	27	34	61



43	SURYARAO PRANALI RAVINDRA SANGEETA	216515	35	29	64
44	DUBHELE AMAR BHAGWAN BHAGYASHREE	216516	20	34	54
45	GAIKARR PRASHANT BUDHAJI VAISHALI	216517	40	33	73
46	TURUKMANE SANDEEP BHANUDAS SHOBHA	216518	35	32	67
47	GHARE NITIN NATHU LAXMI	216519	26	25	51
48	DHURI RAM MARUTIRAO MADHAVI	216520	24	27	51
49	BHOIR ROSHAN SUNIL VANITA	216521	32	32	64
50	BHANGRE LALITA BHARAT LATA	216522	24	42	66
51	SUDRIK NIKESH NANDKUMAR NAMRATA	216523	32	29	61
52	VISHE SATISH VITTHAL VANDANA	216524	24	31	55
53	SHENDGE SAGAR TUKARAM MATABAI	216525	42	27	69
54	MALHARI KRUSHNA ASHOK LALITA	216526	31	35	66
55	MORE NIKHIL CHANDRAKANT CHITRA	216527	25	29	54
56	SHINDE CHETAN DHONDU PUSHPA	216528	26	35	61
57	PATIL PRATHAMESH JITENDRA URMILA	216529	28	29	57
58	GIRI HITESH SHANTARAM MAYA	216530	27	32	59
59	CHAUDHARI SHRUTI RAVINDRA ASHA	216531	35	25	60
60	GOIKANE LALIT KALU MINA	216532	20	40	60
61	PASALKAR ANKUSH TUKARAM ASHA	216533	40	37	77
62	PANDHARE KAJAL SUNIL SUGANDHA	216535	35	39	74
63	JADHAV UMESH RAGHUNATH SHOBHA	216536	26	34	60
64	SALVE PRASHANT PRAJAPATI KAVITA	216537	24	39	63
65	HANDORE HRITIK SUNIL SANGITA	216539	24	31	55
66	ZUGARE MAMATA SANYA SONI	219501	32	33	65
67	BHOIR PRADIP KASHINATH INDUBAI	219502	24	25	49
68	KEDARE SHIVAM SUNIL SUJATA	219503	42	36	78



69	THAKARE PRATIK HARISHCHANDRA ANJANA	219504	31	30	61
70	HIVALE BHAVESH KHANDU KARUNA	219505	25	37	62
71	PASHTE YASHRAJ KASHINATH VIJAYA	219506	26	30	56
72	KHATEGHARE DEVENDRA HARISH JAYASHRI	219507	28	30	58
73	WAYAL PANDHARINATH KALU ANJANA	219508	27	24	51
74	BADAD ROHAN SHARAD JAYASHREE	219509	35	37	72
75	BHANGARE KARAN ASHOK YOGITA	219510	20	37	57
76	MOKASHI KOMAL VILAS VARSHA	219511	40	41	81
77	PATIL SNEHAL BHALACHANDRA BHARATI	219512	35	32	67
78	PATIL AMOL MADHUKAR MADHURI	219513	26	40	66
79	SABALE SAMPAT DHONDU CHANDRABHAGA	219514	24	30	54
80	THAKARE RAKESH HIRAKANT APARNA	219515	32	30	62
81	CHAUDHARI RAHUL NAMDEV NANDA	219516	24	28	52
82	TAKUR PRAJAKTA BAJIRAO KIRTI	219517	42	34	76
83	GODE NARAYAN RAMDAS BARKHABAI	219518	31	29	60
84	DHAPATE DILIP MALU MUKTI	219519	25	34	59
85	BHALERAO AKSHAY ARUN SUMAN	219520	26	33	59
86	JADHAV DEVIDAS PRAKASH HIRA	219521	28	32	60
87	BHOIR HARSHAL SHANTARAM URMILA	219522	27	22	49
88	JAWALE JAYESH JANKU SUMAN	219523	35	38	73
89	SHINDE DHIRAJ SITARAM MOHAR	219524	20	36	56
90	PATIL MAHESH DHANRAJ PUSHPA	219525	40	43	83
91	GORE LATIF FAROOQUE SALMA	219526	24	32	56
92	MURUMKAR SAFWAN MUJAHID SHABISTA	219527	32	39	71
93	PATIL ROHIT BALCHANDRA SMITA	219528	24	30	54
94	KUMAVAT PRAJAKTA SANJAY SUNITA	219529	42	33	75



95	PANDIT PRATIKSHA RAHUL JYOTI	219530	31	29	60
96	PATIL KUNDAN LAHU SHARADA	219531	25	34	59
97	KONDAR VISHAL BHARAT MEENA	219532	26	29	55
98	RATHOD PRATIK VINOD NILIMA	219533	41	38	79
99	PAWSHE RUTIK SURYAKANT MANISHA	219534	20	29	49
100	GOLHE PRADNYA NARAYAN RANJANA	219535	19	31	50
101	BHOIR DIPALI RAMESH KAMAL	219536	35	24	59
102	CHAUDHARI SAURABH GANPAT MANISHA	219537	27	40	67
103	DONGARE ABHISHEK ASHOK MANDAKINI	219538	40	34	74
104	SHAIKH SHABAN ANSAR MUNNI	219539	24	41	65
105	JADHAV SONALI YASHWANT GULAB	219540	32	29	61



[Signature]
Principal

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Jeevandeep Shaikshanik Sanstha's
ART'S, COMMERCE & SCIENCE COLLEGE, KHARDI
TALUKA - SHAHAPUR, DIST - THANE, STATE - MAHARASHTRA

Short term course- ETHICAL HACKING

DEPARTMENT OF INFORMATION TECHNOLOGY

Report

Date : 24/12/2021

The Department of Information technology JSSP College, Khardi conducted a short term course entitled "ETHICAL HACKING". total 105 students of B.Sc(IT). were admitted in the course. The duration of course was 15 days (03.01.2022 to 20.01.2022). The course was conducted satisfactorily by the Dept. of Information Technology JSSP College, Khardi, Dist : Thane.

Principle



Principal

Principal
Jeevandeep Shaikshanik Sanstha's
Arts, Commerce & Science College, Khardi
Khardi, Tal. Shahapur, Dist. Thane 421 601.

JeevandeepShaikshanikSanstha's

**ART'S, COMMERCE & SCIENCE COLLEGE, Khardi
TALUKA - SHAHAPUR, DIST-THANE, STATE-MAHARASHTRA**

Department of Information Technology.

Short term course-ETHICAL HACKING

2021-2022

