



Kopargaon Taluka Education Society's

**K. J. Somaiya College of Arts, Commerce & Science,
Kopargaon**

Mohiniraj Nagar, Kopargaon, Tal: Kopargaon, Dist: Ahmednagar Pin-423601

Certificate Course in Environment & Health Awareness

✚ Course Code:	CC.021
✚ Organized By:	Department of Microbiology
✚ Date of Commencement:	01/07/2016.
✚ Duration of Course:	01 Month / (Min. 30 Hrs.)
✚ Course Coordinator:	Prof. P. K. Gakkhad



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Application for Permission to commence Certificate Course: 2018-19

Date: 10/09/2018

To,

The Coordinator,

IQAC, K. J. Somaiya College,

Kopargaon

Subject: Regarding Permission to commence Certificate Course for S.Y.B.Sc
(2018-19)

Respected Sir,

With reference to subject cited above, it is essential to start Certificate Course for the students of **S.Y.B.Sc. Microbiology**, so as to improve their awareness in respective subject. So please allow us to commence the Certificate Course classes w. e. from **17/09/2018** after regular classes.

HOD

Department of Microbiology
K. J. Somaiya College, Kopargaon



Principal
Principal

K.J. Somaiya College of Art
Commerce & Science, Koparg



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

**FACULTY OF SCIENCE,
Department of Microbiology**

NOTICE

Certificate Course in Health and Environment Awareness

This course is designed for the awareness purpose regarding Health and Environment. This pandemic has badly hit our life's with severe Health issues. It has taught us many good things to be followed in our day-to-day life which has to be taken care of. So, Health is the first priority for us. I request all Students to Enrol yourself before 15th Sept 2018 to this Certificate Course and get educated and understand the importance of Health and Environment.

Syllabus for this Course is: -

Chapter 1- Introduction

Chapter 2- Health Awareness

Chapter 3- Environment Awareness

Chapter 4- Environmental Issues

Head,

Head,
Department of Microbiology
Department of Microbiology
K. J. Somaiya College, Kopargaon



Principal

Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopargaon



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

**FACULTY OF SCIENCE,
Department of Microbiology**

Certificate Course in Health and Environment Awareness: 2018-2019

Date: 17/09/2018

Time Table for Certificate Course

Course Name: Certificate Course in Health and Environment Awareness

Class: S. Y. B.Sc.

Lectures for the Certificate Course will be conducted on every Monday and Saturday.

Time: 10:30 am to 11:00 am

Head

**Department of Microbiology
Head
Department of Microbiology
K. J. Somaiya College, Kopargaon**

Principal

**K. J. Somaiya College
Principal
K.J.Somaiya College of Arts
Commerce & Science, Kopargaon**



Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and
Science



Mohanirajnagar, Kopergaon, Dist. Ahmednagar 423601, (Maharashtra) India

Affiliated to Savitribai Phule Pune University, Pune. (ID No.
PU/AN/ASC/07(1964))

Department of Microbiology

Certificate course in Health and Environment Awareness (2018-2019)

Attendance sheet for lectures

Sr. No	Name of Students	Date													
		18/9	23/9	27/9	06/10	10/10	13/10	17/10	23/10	03/11	06/11	10/11	14/11	20/11	27/11
1	Shinde pavan bharat	Pavan	Pavan	Pavan	Pavan	Pavan	Pavan	Ab	Pavan	Pavan	Pavan	Pavan	Pavan	Ab	Pavan
2	Sonawane asha sudam	Asha	Asha	Asha	Ab	Asha	Asha	Asha	Asha	Asha	Asha	Asha	Asha	Ab	Asha
3	Rohamare dipali babasaheb	Dipa	Dipa	Dipa	Dipa	Dipa	Dipa	Dipa	Dipa	Dipa	Dipa	Ab	Dipa	Dipa	Dipa
4	Dhoble pranjal dnyaneshwar	Pranjal	Pranjal	Pranjal	Pranjal	Pranjal	Ab	Pranjal	Pranjal	Pranjal	Pranjal	Pranjal	Pranjal	Ab	Pranjal
5	Sabale jayashri dhondiram	Jayashri	Jayashri	Ab	Jayashri	Jayashri	Jayashri	Jayashri	Jayashri	Jayashri	Jayashri	Jayashri	Jayashri	Jayashri	Ab
6	Auti kajal sakharari	Kajal	Kajal	Kajal	Kajal	Kajal	Kajal	Ab	Kajal	Kajal	Kajal	Kajal	Kajal	Kajal	Kajal
7	Padwal virendra sakharari	Virendra	Virendra	Virendra	Ab	Virendra	Virendra	Virendra	Virendra	Virendra	Virendra	Ab	Virendra	Virendra	Virendra
8	Pagare gayatri girish	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri	Gayatri
9	Thombare sarita ashok	Sarita	Sarita	Sarita	Sarita	Ab	Sarita	Sarita	Sarita	Sarita	Sarita	Sarita	Sarita	Sarita	Ab
10	Fatangare akanksha shivaji	Akanksha	Ab	Akanksha	Akanksha	Akanksha	Akanksha	Akanksha	Akanksha	Akanksha	Akanksha	Akanksha	Ab	Akanksha	Akanksha
11	Khairnar ashwini bharti	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ab	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini
12	Mane shubham bhausaheb	Shubham	Shubham	Shubham	Shubham	Ab	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
13	Jagtap komal vijay	Komal	Komal	Ab	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Ab	Komal	Komal	Komal



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,


Department of Microbiology

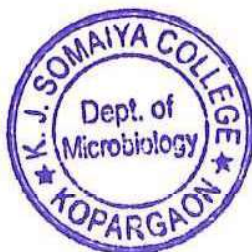
Certificate Course in Health and Environment Awareness: 2018-19


Date: 07/01/2019

NOTICE

All S.Y. B.Sc. Microbiology students are hereby informed that your Exam for Certificate Course in Health and Environment Awareness will be held on **17/01/2019** at 9.00 a.m. and 12.00 p.m. in regular class rooms.


Head
Department of Microbiology
K. J. Somaiya College, Kopergaon




Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopergaon.

Kopargaontaluka Education Society's
K. J. Somaiya College Of Arts, Commerce And Science, Kopargaon
DEPARTMENT OF MICROBIOLOGY
Certificate Course In Health & Environment Awareness Examination (2018-19)

Attendance

Date: 17/01/2019.

Sr.No	Roll No	Students Name	Signature
1	11	Shinde Pavan Bharat	Pavan
2.	28	Sonawane Asha Sudam	Asha
3.	33	Rohamare Dipali Babasaheb	Dipali
4.	53	Dhoble Pranjal Dnyaneshwar	Pranjal
5.	73	Sabale Jayashri Dhondiram	Jayashri
6.	74	Auti Kajal Sakahari	Auti
7.	92	Padwal Virendra Sakahari	Virendra
8.	131	Pagare Gayatri Girish	Gayatri
9.	165	Thombare Sarita Ashok	Sarita
10.	169	Fatangarc Akanksha Shivaji	Akanksha
11.	180	Khairnar Ashwini Bharat	Ashwini
12.	189	Mane Shubham Bhausaheb	Shubham
13.	192	Jagtap Komal Vijay	Komal
14.	199	Barhate Saiprasad Jankiram	Saiprasad
15.	201	Tupake Hrushikesh Sanjay	Hrushikesh
16.	203	Varkad Ajit Babasaheb	Ajit
17.	205	Wani Ashwini Pandurang	Ashwini
18.	208	Nikam Tejas Bhanudas	Tejas
19.	212	Ghaytadkar Janardan Nivrutti	Janardan
20.	213	Ahirrao Priti Parmeshwar	Priti
21.	222	Gorde Shubhangi Subhash	Shubhangi


Head

Department of Microbiology
Head
Department of Microbiology
K. J. Somaiya College, Kopargaon

K.J.Somaiya College of Arts, Commerce & Science, Kopargaoan
Department of Microbiology
Certificate Course in Health and Environment Awareness
(2018-2019)

Subject: Health and Environment Awareness

Class: S.Y.B.Sc

Time:

Marks:100

Date:

Exam seat no.

Q.1 Attempt any Ten (10×2M)

20 M

1. What are the gaseous pollutants?
2. Enlist different systems of human body
3. What are the abiotic factors of environment?
4. Enlist the different tools that are used for hand washing
5. Enlist different types of blood groups
6. What are good habits?
7. List various asana
8. Define environment
9. Enlist various diseases that occurs due to changing life style
10. Define ecosystem
11. Healthy foods
12. Main office of WHO is situated at...

Q.2 Write note on any Four (4×5M)

20 M

1. Role of blood banks in society
2. Roles played by WHO
3. Importance of hand wash system
4. Role of trees in human life

Q.3 Answer any Two (2×10M)

20 M

1. What is mean by SamajikVanikaran Scheme of Maharashtra Gov. and its impact on society and environment?
2. Explain detail importance of vegetable as a part of regular diet
3. Elaborate in detail nature and scope of Environmental Science

Q.4 Attempt any Two (2×10M)

20 M

1. Elaborate in detail components of environment
2. What is pollution and its impact on human health?
3. Explain in detail Rural Health Mission of India

Q.5 Answer the Following (2×10)

20M

1. Effect of environmental degradation on human
2. Give a detail account on various tree plantation scheme and their impact on society
3. Explain in detail different types of pollution in detail

-----Best of Luck-----



Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science



Mohanirajnagar, Kopargaon, Dist. Ahmednagar 423601, (Maharashtra) India
Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology

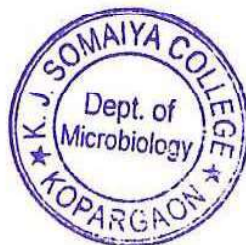
Grading System for Certificate Course Health and Environment Awareness 2018-19

Marks (100)	Grade	Remarks
90-100	A+	Excellent
80-90	A	Very Good
70-80	B+	Good
60-70	B	Average
50-60	C+	Pass
40-50	C	Poor
30-40	D	Very Poor



Head

Dept of Microbiology
Department of Microbiology
K. J. Somaiya College, Kopargaon




Principal

Principal
K.J.Somaiya College of Arts
Commerce & Science, Kopargaon

Kopargaon Taluka Education Society's
K.J.Somaiya College of Arts, Commerce & Science, Kopargoan
Department of Microbiology
Certificate Course in Health and Environment Awareness
(2018-2019)

Subject: Health and Environment Awareness

Class: S.Y.B.Sc

Course co-ordinator: Miss.J.R.Deshmukh

Sr.no	Name of Student	Grades
1	SHINDE PAVAN BHARAT	A
2	SONAWANE ASHA SUDAM	B
3	ROHAMARE DIPALI BABASAHEB	A
4	DHOBLE PRANJAL DNYANESHWAR	A
5	SABALE JAYASHRI DHONDIRAM	A
6	AUTI KAJAL SAKHAHARI	A
7	PADWAL VIRENDRA SAKHAHARI	B
8	PAGARE GAYATRI GIRISH	B
9	THOMBARE SARITA ASHOK	B
10	FATANGARE AKANKSHA SHIVAJI	A
11	KHAIRNAR ASHWINI BHARAT	A
12	MANE SHUBHAM BHAUSAHEB	A
13	JAGTAP KOMAL VIJAY	A
14	BARHATE SAIPRASAD JANAKIRAMAN	A
15	TUPAKI HRUSHIKESH SANJAY	A
16	VARKAD AJIT BABASAHEB	B
17	WANI ASHWINI PANDURANG	A
18	NIKAM TEJAS BHANUDAS	A
19	GHAYTADKAR JANARDAN NIVRUTTI	A
20	AHIRRAO PRITI PARMESHWAR	B
21	GORDE SHUBHANGI SUBHASH	A


Co-ordinator



Specimen Copy



Kopergaon Taluka Education Society's

K.J. Somaiya College of Arts, Commerce and Science, Kopergaon

(Affiliated to Savitribai Phule Pune University, Pune)

NAAC Re-accredited with "A" Grade An ISO 9001:2015 Certified Institute

Best College Award by S.P. Pune University

Mohanirajnagar, Kopergaon, Dist. Ahmednagar - 423 601. (Maharashtra) India.

Certificate

This is to certify that Mr./Ms./Mrs. _____
from the class _____ has successfully completed the certificate
course entitled _____
_____ run by
the Department of _____ conducted between
_____/_____/20 & ____/_____/20 . He / She has been awarded with _____
grade.

Coordinator

Certificate Course Chairman

[Signature]
Principal

19-20



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Application for Permission to commence Certificate Course: 2019-20

Date: 15/01/2020

To,
The Coordinator,
IQAC, K. J. Somaiya College,
Kopergaon


Subject: Regarding Permission to commence Certificate Course for S.Y.B.Sc
(2019-20)

Respected Sir,

With reference to subject cited above, it is essential to start Certificate Course for the students of **S.Y.B.Sc. Microbiology**, so as to improve their awareness in respective subject. So please allow us to commence the Certificate Course classes **w. e. from 20/01/2020** after regular classes.

(F.) 
HOD
Head
Department of Microbiology
K. J. Somaiya College, Kopergaon




Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopergaon



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

**FACULTY OF SCIENCE,
Department of Microbiology**

Date: 22/01/2020

NOTICE

Certificate Course in Health and Environment Awareness

This course is designed for the awareness purpose regarding Health and Environment. This pandemic has badly hit our lives with severe Health issues. It has taught us many good things to be followed in our day-to-day life which has to be taken care of. So, Health is the first priority for us. We request all Students to enrol you till 24th Jan 2020 to this Certificate Course and get educated and understand the importance of Health and Environment.


Syllabus for this Course is as follows

Chapter 1- Introduction

Chapter 2- Health Awareness

Chapter 3- Environment Awareness

Chapter 4- Environmental Issues


Head
Department of Microbiology
K. J. Somaiya College, Kopargaon

Head,
Department of Microbiology


Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopargaon



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Certificate Course in Health and Environment Awareness: 2019-20

Date: 22/01/2020

Time Table for Certificate Course

Course Name: Certificate Course in Health and Environment Awareness

Class: S. Y. B.Sc.

Lectures for the Certificate Course will be conducted on every Monday and Saturday.

Time: 10:30 am to 11:00 am

Head

**Department of Microbiology
K. J. Somaiya College, Kopargaon**

Head

Department of Microbiology

Principal

K. J. Somaiya College

Principal

**K.J. Somaiya College of Arts
Commerce & Science, Kopargaon**



Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and
Science



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Affiliated to Savitribai Phule Pune University, Pune. (ID No.
PU/AN/ASC/07(1964))

Department of Microbiology

Certificate course in Health and Environment Awareness (2019-2020)

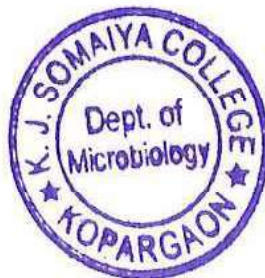
Attendance sheet for lectures

Sr. No	Name of Students	Date													
		24/01	27/01	29/01	03/02	06/02	10/02	16/02	22/02	01/03	06/03	10/03	14/03	17/03	20/03
1	Gagare komal bandu	KG	KG	KG	Ab	KG	KG	KG	KG	KG	KG	KG	KG	KG	Ab
2	Mali yash dadasaheb	M	M	M	M	M	M	M	M	M	Ab	M	M	M	M
3	Rahane jayshri annasaheb	RJ	Ab	RJ	RJ	RJ	RJ	RJ	RJ	RJ	RJ	RJ	RJ	RJ	RJ
4	Narode arti gorakshanath	Narode	Narode	Narode	Narode	Narode	Ab	Narode	Narode	Narode	Narode	Narode	Narode	Narode	Ab
5	Singar pooja sanjay	SP	Ab	SP	SP	SP	SP	SP	SP	SP	SP	SP	Ab	SP	SP
6	Singar priyanka appasaheb	SP	SP	SP	Ab	SP	SP	SP	SP	SP	SP	SP	SP	SP	Ab
7	Upadhye shrawani vilas	Ab	U	U	U	U	U	U	U	U	U	U	Ab	U	U
8	Sabale mayuri raju	MR	MR	MR	MR	MR	MR	MR	MR	Ab	MR	MR	MR	MR	MR
9	Shelake pooja shashikant	PS	PS	PS	PS	PS	Ab	PS	PS	PS	PS	PS	PS	PS	PS
10	More ishwari chandrakant	MI	Ab	MI	MI	MI	Ab	MI	MI	MI	MI	MI	MI	MI	MI
11	Kadam vaishnavi vilasrao	KV	KV	KV	KV	KV	Ab	KV	KV	KV	KV	KV	KV	KV	KV
12	Chine nikita anil	NK	NK	NK	Ab	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK
13	Joshi saish umesh	JS	Ab	JS	JS	JS	JS	JS	Ab	JS	JS	JS	JS	JS	JS

[illegible]

35	Libhuri kalyani maruti		K-S-M	sakshi	Ab	KLDP
36	Bhand hrushikesh babasaheb		K-S-M	sakshi	Ab	KLDP
37	Karale sakshi sahebrao		K-S-M	sakshi	Ab	KLDP
38	Kardile vaishnavi mahesh		K-S-M	sakshi	Ab	KLDP
39	Magar vaishnavi ramesh		K-S-M	sakshi	Ab	KLDP
40	Nikumbh shubhangi sunil		K-S-M	sakshi	Ab	KLDP
41	Chinke rutvika kailas		K-S-M	sakshi	Ab	KLDP
42	Deokar shraddha dinkar		K-S-M	sakshi	Ab	KLDP
43	Tanpure gita dnyaneshwar		K-S-M	sakshi	Ab	KLDP
44	Borawake manisha anil		K-S-M	sakshi	Ab	KLDP
45	Gaikwad vaishnavi vinayak		K-S-M	sakshi	Ab	KLDP
46	Landge shivani madhukar		K-S-M	sakshi	Ab	KLDP
47	Naikwade mahesh annasaheb		K-S-M	sakshi	Ab	KLDP
48	Jadhav bhagyashri suresh		K-S-M	sakshi	Ab	KLDP
49	Singar vaishnavi rajendra		K-S-M	sakshi	Ab	KLDP

Miss.J.R.Deshmukh



Principal
K.J.Somaiya College of Arts
Commerce & Science, Kopergaon.



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Certificate Course in Health and Environment Awareness: 2019-20

Date: 23/03/2020

NOTICE

All S.Y. B.Sc. Microbiology students are hereby informed that your Exam for Certificate Course in Health and Environment Awareness will be held on **25/03/2020** at 9.00 a.m. and 12.00 p.m. in regular class rooms.

Head

**Department of Microbiology
K.J. Somaiya College, Kopargaon**

HOD

Principal

**K.J. Somaiya College of Arts
Commerce & Science, Kopargaon**

**Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaon**

DEPARTMENT OF MICROBIOLOGY

Certificate course in Health and Environment Awareness Examination (2019-2020)

Name of Student:

Roll No.:

Class:

1. The World Health Day is celebrated on _____.

- a) 1st March b) 7th April c) 6th October d) 10th December

2. Cleanliness, physical exercise, rest and sleep are a part of _____.

- a) Hygiene b) Social hygiene c) Personal hygiene d) None of the above

3. Which one of the following is an unhealthy habit?

- a) Sharing food b) Bathing twice a day c) Drinking boiled water d) Eating without washing one's hand

4. Which of the following is the main cause for transmission of the Hepatitis virus?

- a) The bite of a mosquito b) Sharing drug needles c) Drinking contaminated water d) All of the above

5. Which of the following diseases is also called as "Salmonella enterica serotype Typhi"?

- a) Typhoid b) Malaria c) Diarrhea d) Yellow fever

6. Which of the following diseases is not caused by bacteria?

- a) Typhoid b) Poliomyelitis c) Tuberculosis d) All of the above.

7. The main cause of contagious disease is _____.

- a) Contaminated Air b) Contaminated Food c) Poor hygienic conditions d) All of the above

8. Which one of the following diseases is a communicable?

- a) rickets b) amoebiasis c) diabetes d) cancer

9. AIDS virus spreads in the body through

- a) Suppressor T-cells b) Carrier T-cells c) Helper T-cells d) Killer T-cells

10. The cells which act as parasites in the body

- a) Schwann cells b) Hepatocytes c) Kupffer's cells d) Cancer cells

11. TAB vaccine is useful against

- a) Poliomyelitis b) Diphtheria c) Pertussis d) Typhoid

12. The pathogen of the typhoid is directly transmitted through

- a) urine b) water c) blood d) cerebrospinal fluid

13. A sexually transmitted bacterial disease is

- a) AIDS b) Syphilis c) Herpes d) Hepatitis

14. Inactive cancer gene is called

- a) Transposon b) Proto-oncogene c) Tumour promoter gene d) Tumour suppressor gene

15. Which of these layers of the atmosphere consists of the ozone layer that is responsible for absorbing the Ultra-Violet (UV) light?

- a) Troposphere b) Mesosphere c) Stratosphere d) None of these

16. Which of these are essential non-metallic minerals?

- a) Coal, silica, clay, cement b) Iron, copper, aluminium, zinc c) Gold, platinum, silver
d) Granite, limestone, marble

17. What is the estimated percentage of forest land that India should ideally have?

- a) 15% b) 50% c) 44% d) 33%

18. An extensive number of chains interlinked in an ecosystem forms a _____ together.

- a) Food chain b) Food web c) Carbon cycle d) Nitrogen cycle

19. Which of these elements is considered to be the largest source of commercial energy consumption in the world?

- a) Nuclear b) Natural gas c) Oil d) Coal

20. Which of these does not constitute to be a reason for the loss of forests?

- a) Extinction of species b) Increasing use of food c) Building dams and mining
d) Extensive usage of fuel woods

21. Which of these days is celebrated in the form of *World Environment Day* all around the world?

- a) July 5th b) June 10th c) October 20th d) June 5th

22. In which of these following can we find Brackish water ecosystems?

- a) Wetlands b) Streams c) Deltas d) Coastal shallows

23. Which drug is associated with the tea or coffee plant source?

- a) Camphor b) Caffeine c) Thorn Apple d) Opium
Poppy

24. How many total numbers of biodiversity hotspots are there in the world?

- a) 36 b) 32 c) 28 d) 18

25. Which of these is the most naturally occurring and frequent disaster?

- a) Tsunami b) Drought c) Earthquake d) Flood

26. Which two forms of alcohol do we include in biofuels?

a)Methanol and Ethanol b)Propanol and Ethanol c)Propanol and Methanol d)None of the above

27. Which of these gases is not permitted to be released by the Prevention and Control of Pollution Act by the Government?

a)Sulphur Dioxide b)Carbon Monoxide c)Nitrogen Oxide d)All of the above

28. In which of these years was the Forest Conservation Act amended?

a)1978 b)1988 c)1963 d)1952

29. Which of these elements is present in the drinking water that can lead to numerous fatal diseases?

a)Phosphorus b)Calcium c)Arsenic d)None of the above

30. Which of these species do we use in indigenous medicine?

a)Babul b)Zizyphus c)Tamarind d)None of the above

31. Which of these are also known as Detrivores?

a)Decomposers b)Carnivores c)Herbivores d)None of the above

32. Which of these sacred groves acts as the gene bank for various wild plants?

a)Mauhak b)Deorais c)Jahera d)None of these

33. Which of these countries constitute approximately 57% of the various large dams in the world?

a)Brazil and India b)Japan and India c)China and India d)Brazil and China

34. What is called for the chemicals which emit with vinyl floors?

a) Pathogens b) Vinyl oxidize c) Phthalates d) Chorines

35. Which one of the following organization dedicated to protecting human health from environmental harms?

a) Environment and Human Health b) Environmental and Scientific Science
c) Ecological Protection Organization d) Ecological Science and Solutions

36. Which one of the following cause harm to human health?

a) Organic farming b) Using of pesticides c) Using solar vehicles d) Protecting forests

37. Garbage is responsible for transmitting

a) Kala-azar b) Malaria c) JE d) Plague

38. Guinea worm is.....disease.

a) Water based b) Water borne c) Water based d) Water related insect vector

39. What is the water vapor?

- a) It is the gaseous phase of water droplet b) It is a rain droplet c) Water vapor is the cloud
d) None of the above

40. Which of the following is the cause of Melanoma (skin cancer)?

- a) Acid rain b) Allergens c) Ozone depletion
d) None of the above

41. The yellowness of the Taj Mahal is an effect of –

- a) Acid rain b) Allergens c) Ozone depletion
d) None of the above

42. The part of the plant that evaporates water is –

- a) Fruit b) Stomata c) Root
d) None of the above

43. Which of the following is a renewable source of energy?

- a) Coal b) Uranium c) Wind
d) None of the above

44. Which of the following is said to be a biodegradable waste?

- a) Plastics b) Glasses c) Eggshell
d) Polythene

45. Which of the following has a maximum speed?

- a) Light b) Air c) Sound
d) Water current

46. Which one of the following energy is most utilized in biomass?

- a) Atomic energy b) Solar energy c) Geothermal energy
d) Tidal energy

47. A sample of chloroform before using as an anaesthetic, is tested by

- a) Fehling's solution b) Ammonical cuprous chloride
c) Ammonical silver nitrate solution d) Silver nitrate solution after boiling with alcoholic KOH

48. Living in the atmosphere of CO is dangerous because it

- a) Reduces organic matter of tissues b) Dries up the blood
c) Combined with O₂ present inside to form CO₂ d) Combines with haemoglobin and makes it incapable of absorbing oxygen

49. AIDS causing HIV principally infects

- a) All lymphocytes b) Activator B-cells c) T4 lymphocytes d) Cytotoxic T-cells

50. Disease existing at or before birth is

- a) Congenita b) Communicable c) Noncommunicable d) none of these

. Kopargaontaluka Education Society's
K. J. Somaiya College Of Arts, Commerce And Science, Kopargaon
DEPARTMENT OF MICROBIOLOGY
Certificate Course In Health & Environment Awareness Examination (2019-20)

Attendance

Date: 25/03/2020

Sr. No.	Roll No.	Students Name	Signature
1	95	Gagare Komal Bandu	(K)
2	134	Mali Yash Dadasaheb	YM
3	135	Rahane Jayshri Annasaheb	Pat.
4	139	Narode Arti Gorakshanath	Arti
5	144	Singar Pooja Sanjay	P.
6	145	Singar Priyanka Appasaheb	Priyanka
7	146	Upadhye Shrawani Vilas	Sh.
8	147	Sabale Mayuri Raju	MB
9	148	Shelake Pooja Shashikant	Pooja
10	154	More Ishwari Chandrakant	Ishwari
11	155	Kadam Vaishnavi Vilasrao	Vaish.
12	157	Chine Nikita Anil	Nikita
13	158	Joshi Saish Umesh	S.
14	161	Chine Manisha Narayan	Man.
15	164	Sangpal Vaishnavi Nanasaheb	Vaish.
16	165	Usare Shital Dattu	Shital
17	169	Sadaphal Komal Bhaskar	(K)
18	170	Sabale Pratiksha Bapusaheb	Pratiksha
19	171	Solase Arati Baban	Arati
20	174	Popalghat Rushikesh Devidas	Rushik.
21	178	Pathan Simran Akil	Simran
22	180	Khond Rutuja Hemant	R.
23	182	Hon Harshada Balasaheb	(H)
24	184	Shrikhande Aarti Shital	Shrikha
25	185	Khadangale Harsha Balasaheb	Harsha
26	187	Nighot Swati Appasaheb	Nighot
27	188	Kadam Vijay Ramrav	Vijay
28	189	Aher Kaustubh Ganesh	Kaustubh
29	190	Khadangale Hrutik Rajendra	Hrutik
30	191	Rashinkar Abhishek Dnyaneshwar	Abhishek
31	196	Gudaghe Subhangana Changdev	Subhangana
32	197	Badhe Dhanashri Annasaheb	Dhanashri
33	198	Kadam Priyanka Gorakh	(K)
34	204	Jain Kajal Mahavir	Kajal

35	205	Libhuri Kalyani Maruti	<u>Kalyani</u>
36	206	Bhand Hrushikesh Babasaheb	<u>Hrushikesh</u>
37	208	Karale Sakshi Sahebrao	<u>Sakshi</u>
38	214	Kardile Vaishnavi Mahesh	<u>Kardile</u>
39	216	Magar Vaishnavi Ramesh	<u>Magar</u>
40	218	Nikumbh Shubhangi Sunil	<u>Nikumbh</u>
41	219	Chinke Rutvika Kailas	<u>Chinke</u>
42	221	Deokar Shraddha Dinkar	<u>Deokar</u>
43	222	Tanpure Gita Dnyaneshwar	<u>Tanpure</u>
44	232	Borawake Manisha Anil	<u>Borawake</u>
45	234	Gaikwad Vaishnavi Vinayak	<u>Gaikwad</u>
46	235	Landge Shivani Madhukar	<u>Landge</u>
47	244	Naikwade Mahesh Annasaheb	<u>Naikwade</u>
48	249	Jadhav Bhagyashri Suresh	<u>Jadhav</u>
49	250	Singar Vaishnavi Rajendra	<u>Singar</u>

Jay
Head

Department of Microbiology

Head

Department of Microbiology
K. J. Somaiya College, Kopergaon



Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science



Mohanirajnagar, Kopargaon, Dist. Ahmednagar 423601, (Maharashtra) India
Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology

Grading System for Certificate Course Health and Environment Awareness 2019-20

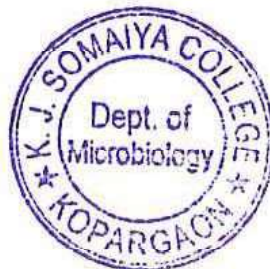
Marks (50)	Grade	Remarks
46-50	A+	Excellent
41-45	A	Very Good
36-40	B+	Good
31-35	B	Average
26-30	C+	Pass
21-25	C	Poor
15-20	D	Very Poor

Head

Dept of Microbiology

Head

Department of Microbiology
K. J. Somaiya College, Kopargaon



Principal

Principal
K.J.Somaiya College of Arts
& Commerce & Science, Kopargaon

pKopargaon Taluka Education Society's
K.J.Somaiya College of Arts, Commerce & Science, Kopargoan

Department of Microbiology

Certificate Course in Health and Environment Awareness

(2019-2020)

Subject: Health and Environment Awareness

Class: S.Y.B.Sc

Course co-ordinator: Miss.J.R.Deshmukh

Sr.no	Name of Student	Grades
1	GAGARE KOMAL BANDU	A
2	MALI YASH DADASAHEB	B
3	RAHANE JAYSHRI ANNASAHEB	A
4	NARODE ARTI GORAKSHANATH	A
5	SINGAR POOJA SANJAY	A
6	SINGAR PRIYANKA APPASAHEB	A
7	UPADHYE SHRAWANI VILAS	B
8	SABALE MAYURI RAJU	B
9	SHELAKE POOJA SHASHIKANT	B
10	MORE ISHWARI CHANDRAKANT	A
11	KADAM VAISHNAVI VILASRAO	A
12	CHINE NIKITA ANIL	A
13	JOSHI SAISH UMESH	A
14	CHINE MANISHA NARAYAN	A
15	SANGPAL VAISHNAVI NANASAHEB	A
16	USARE SHITAL DATTU	B
17	SADAPHAL KOMAL BHASKAR	A
18	SABALE PRATIKSHA BAPUSAHEB	A
19	SOLASE ARATI BABAN	A
20	POPALGHAT RUSHIKESH DEVIDAS	B
21	PATHAN SIMRAN AKIL	A
22	KHOND RUTUJA HEMANT	A
23	HON HARSHADA BALASAHEB	A
24	SHRIKHANDE AARTI SHITAL	B
25	KHADANGALE HARSHA BALASAHEB	B
26	NIGHOT SWATI APPASAHEB	A
27	KALAM VIJAY RAMRAO	A
28	AHER KAUSTUBH GANESH	A
29	KHANDAGALE HRITHIK RAJENDRA	A
30	RASHINKAR ABHISHEK DNYANESHWAR	A
31	GUDAGHE SUBHANGANA CHANGDEV	B
32	BADHE DHANASHRI ANNASAHEB	B
33	KADAM PRIYANKA GORAKH	B
34	JAIN KAJAL MAHAVIR	A

35	LIBHURI KALYANI MARUTI	A
36	BHAND HRUSHIKESH BABASAHEB	A
37	KARALE SAKSHI SAHEBRAO	B
38	KARDILE VAISHNAVI MAHESH	A
39	MAGAR VAISHNAVI RAMESH	A
40	NIKUMBH SHUBHANGI SUNIL	A
41	CHINKE RUTVIKA KAILAS	A
42	DEOKAR SHRADDHA DINKAR	A
43	TANPURE GITA DNYANESHWAR	B
44	BORAWAKE MANISHA ANIL	B
45	GAIKWAD VAISHNAVI VINAYAK	B
46	LANDGE SHIVANI MADHUKAR	B
47	NAIKWADE MAHESH ANNASAHEB	B
48	JADHAV BHAGYASHRI SURESH	A
49	SINGAR VAISHNAVI RAJENDRA	B


 Coordinator, Certificate Course


 Head
 Department of Microbiology
 Head
 Department of Microbiology
 K. J. Somaiya College, Kopergaon



Specimen Copy



Kopargaoon Taluka Education Society's

K.J. Somaiya College of Arts, Commerce and Science, Kopargaoon

(Affiliated to Savitribai Phule Pune University, Pune)

NAAC Re-accredited with "A" Grade An ISO 9001:2015 Certified Institute

Best College Award by S.P. Pune University

Mohanirajnagar, Kopargaoon, Dist. Ahmednagar - 423 601. (Maharashtra) India.

Certificate

This is to certify that Mr./Ms./Mrs. _____
from the class _____ has successfully completed the certificate
course entitled _____
_____ run by
the Department of _____ conducted between
/ /20 & / /20 . He / She has been awarded with _____
grade.

Coordinator

Certificate Course Chairman


Principal



20.21

**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Application for Permission to commence Certificate Course: 2020-21

Date: 07/01/2021

To,

The Coordinator,


IQAC, K. J. Somaiya College,

Kopergaon


Subject: Regarding Permission to commence Certificate Course for S.Y.B.Sc
(2020-21)

Respected Sir,

With reference to subject cited above, it is essential to start Certificate Course for the students of **S.Y.B.Sc. Microbiology**, so as to improve their awareness in respective subject. So please allow us to commence the Certificate Course classes w. e. from **18/01/2021** after regular classes.


HOD
Department of Microbiology
K. J. Somaiya College, Kopergaon




Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopergaon.

Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaon
DEPARTMENT OF MICROBIOLOGY

Date: 11/01/2021

NOTICE

Certificate Course in Health and Environment Awareness

This course is designed for the awareness purpose regarding Health and Environment. This pandemic has badly hit our life's with severe Health issues. It has taught us many good things to be followed in our day-to-day life which has to be taken care of. So, Health is the first priority for us. I request all Students to Enrol yourself to this Certificate Course and get educated and understand the importance of Health and Environment.

Syllabus for this Course is: -

- Chapter 1- Introduction
- Chapter 2- Health Awareness
- Chapter 3- Environment Awareness
- Chapter 4- Environmental Issues


Details of the Course: -

- ❖ Course will start from 18th January 2021.
- ❖ No Registration Fees
- ❖ Certificate Course is Compulsory to S.Y.B.Sc Microbiology Students
- ❖ For Registration use this link: - <https://forms.gle/RyNwz2QSWjXsYWNL6>
(Upon successful completion of this course, you will get certificate)

Do register for the course in time.


Head,
Department of Microbiology
Head
Department of Microbiology
K. J. Somaiya College, Kopargaon




Principal
Principal
K.J.Somaiya College of Arts
Commerce & Science, Kopargaon

**Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaon**

DEPARTMENT OF MICROBIOLOGY

Date: - 20/01/2021

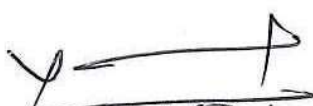
Time Table for Certificate Course

Course Name: Certificate course in Environment and Health Awareness

Class: S.Y.B.Sc.

Lectures for the certificate course will be conducted on every
Wednesday and Saturday.

Time: 1PM – 3PM


Mr. Y.S. Chaudhari


Co – Ordinator

Certificate Course


Mr. A.D. Pawar

Head

Department of Microbiology


Dr. B.S. Yadav

Principal

K.J. Somaiya College.

Head
Department of Microbiology
K. J. Somaiya College, Kopargaon

Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopargaon.



Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopergaon
DEPARTMENT OF MICROBIOLOGY

Students list

Examination in Certificate Course in Health and Environmental Awareness

Sr.No.	Name Of Student
1.	Alhat Atul Dagu
2.	Bhagwat Gaurav Rajendra
3.	Bhagwat Komal Rajendra
4.	Bhalerao Someshwar Balasaheb
5.	Bhosale Pravin Dattatray
6.	Chandanshiv Arti Sahebrao
7.	Dalkari Sakshi Krishna
8.	Dawange Tejas Satish
9.	Deogaonkar Saily Laxmikant
10.	Deokar Geeta Ananda.
11.	Devkar Pratiksha Nivrutti
12.	Divekar Omkar Sunil
13.	Gaikwad Niranjan Haribhau
14.	Gaikwad Rahul Gaikwad
15.	Gawali Prashant Raosaheb
16.	Ghumare Nikita Dattatray
17.	Honde Janardhan Ramchandra
18.	Jadhav Vaishnavi Changdeo
19.	Jagdale Kartik Bhagwan

20.	Kadam Sadichha Rajendra Kadam
21.	Kape Akanksha Ravi
22.	Katkade Saurabh Nanasaheb
23.	Khalkar Shrutika Nandu
24.	Khatkale Shital Bapu
25.	Kote Sujata Dattatray
26.	Kudale Umesh
27.	Madake Sarthak Vishnupant
28.	Maid Gayatri Bhausaheb
29.	Mansuri Irshaad Iqbal
30.	Naik Atharv Rajesh
31.	Narode Pratiksha Kishor
32.	Patole Gauri Sanjay
33.	Pingle Sakshi Ratnakar
34.	Raktate Komal Babasaheb
35.	Ravale Vishal Vijay
36.	Rokade Rishikesh Dattatray
37.	Shaikh Aman Dilawar
38.	Shelar Aadesh Annasaheb
39.	Shevkar Pooja Bhuapatil
40.	Shinde Shweta Changdev
41.	Suhana Ramjan Shaikh
42.	Varpe Pranjal Sopan
43.	Vinchu Priti Annasaheb



Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and
Science

Mohanirajnagar, Kopergaon, Dist. Ahmednagar 423601, (Maharashtra) India

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PU/AN/ASC/07(1964))

Department of Microbiology

Certificate course in Health and Environment Awareness (2020-2021)

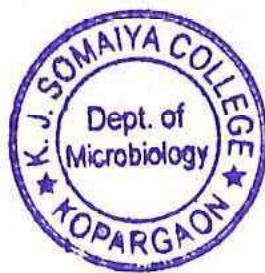
Attendance sheet for lectures

Sr. No	Name of Students	Date													
		23/01	23/01	27/11	27/11	23/02	03/02	01/02	06/02	10/02	10/02	13/02	13/02	17/02	20/02
1	Shelara deshanna saheb	SSD	Ab	SSD	SSD	SSD	SSD	SSD	SSD	SSD	SSD	Ab	SSD	SSD	SSD
2	Shevkar Pooja bhuapatil	Pooja	Pooja	Pooja	Pooja	Pooja	Ab	Pooja	Pooja	Ab	Pooja	Pooja	Pooja	Pooja	Pooja
3	Shaikh Aman Dilawar	GMD	Ab	GMD	GMD	GMD	GMD	GMD	GMD	Ab	GMD	GMD	GMD	GMD	GMD
4	Maid Gayatri Bhausaheb	GM	GM	GM	Ab	GM	GM	GM	GM	GM	Ab	GM	GM	GM	GM
5	Alhat Atul Dagu	Ab	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Atul	Ab	Atul
6	Gaikwad Rahul balasaheb	Rahul	Rahul	Rahul	Rahul	Rahul	Ab	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
7	Bhagwat Gaurav Rajendra	B.G.R	Ab	B.G.R	B.G.R	B.G.R	B.G.R	Ab	B.G.R	B.G.R	B.G.R	B.G.R	B.G.R	B.G.R	B.G.R
8	Jadhav vaishna vichangdeo	JV	JV	JV	JV	JV	JV	Ab	JV	JV	JV	JV	JV	JV	JV
9	Rushikesh Rokade	RR	RR	Ab	RR	RR	RR	RR	RR	RR	RR	RR	Ab	RR	RR
10	Katkade saurabh nanasaheb	SKN	SKN	SKN	SKN	SKN	SKN	SKN	SKN	SKN	SKN	SKN	SKN	SKN	SKN
11	Sakshi Ratnakar Pingle	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
12	Kape akanksha ravi	Ab	AK	AK	AK	AK	AK	AK	AK	AK	Ab	AK	AK	AK	AK

13	Varpe pranjal sopan		Ab	Geeta	Ab
14	Deokar Geeta Ananda.			Geeta	Ab
15	Kote Sujata Dattatray		Ab	Geeta	Ab
16	Shinde Shweta Changdev		gsc	gsc	gsc
17	Kadam Sadichha Rajendra		gsc	gsc	gsc
18	Kudale umesh somnath		Ab	Umesh	Ab
19	Vishal vijay ravale		VR	VR	VR
20	Raktate Komal Babasaheb		R.K	R.K	R.K
21	Ghumare Nikita Dattatray		Ab	Ni	Ab
22	Devkar Pratik shanivrutti		Pratik	Pratik	Pratik
23	Gaikwad Niranjan Haribhau		N.G	N.G	N.G
24	Vinchu priti Annasaheb		Ab	Priti	Ab
25	Patole Gauri Sanjay		Gauri	Gauri	Gauri
26	Dalkari Sakshi Krishna		gk	gk	gk
27	Deogaonkar Saily Laxmikant		Saily	Saily	Saily
28	Madake sarthak vishnupant		gm	gm	gm
29	Divekar Omkar Sunil		Om	Om	Om
30	Prashant Raosaheb Gawali		PRG	PRG	PRG
31	Honde janardhan ramchandra		Ab	Honde	Ab
32	Bhagwat Komal Rajendra		Komal	Komal	Komal
33	Bhosale Pravin Dattatray		P.D	P.D	P.D
34	Chandanshiv arti sahebrao		Ab	Arti	Ab

35	Someshwar balasaheb bhalerao	Ab	NK	Shana	Ab	TD	Ab	SK	KJ	SB
36	Jagdale kartik bhagwan	Abolav	NK	Shana	Shital	TD	PKN	SK	Ab	SB
37	Shrutika Khalkar	Abolav	NK	Ab	Shital	TD	PKN	SK	KJ	SB
38	Pratiksha kishornarode	Abolav	NK	Shana	Shital	TD	PKN	SK	KJ	SB
39	Dawange Tejas Satish	Abolav	NK	Shana	Shital	TD	PKN	SK	KJ	SB
40	Khatkale shital bapu	Abolav	NK	Shana	Shital	TD	PKN	SK	KJ	SB
41	Shaikh shanaRamjan	Abolav	NK	Shana	Shital	TD	PKN	SK	KJ	SB
42	Naik Atharv Rajesh	Abolav	NK	Shana	Shital	TD	PKN	SK	KJ	SB
43	Solase Arati Baban	Abolav	NK	Shana	Shital	TD	PKN	SK	KJ	SB

Y.S. Chaudhari



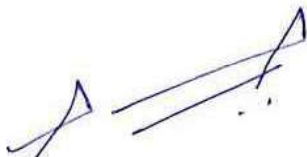
~~AP~~

A.D.Pawar

Department of Microbiology
K. J. Somaiya College, Kopergaon

13	Varpe pranjal sopan		Geeta DV
14	Deokar Geeta Ananda.		Geeta DV
15	Kote Sujata Dattatray	Ab	gk
16	Shinde Shweta Changdev	gk	gk
17	Kadam Sadichha Rajendra	gk	gk
18	Kudale umesh somnath	gk	gk
19	Vishal vijay ravale	gk	gk
20	Raktate Komal Babasaheb	gk	gk
21	Ghumare Nikita Dattatray	gk	gk
22	Devkar Pratik shanivrutti	gk	gk
23	Gaikwad Niranjan Haribhau	gk	gk
24	Vinchu priti Annasaheb	gk	gk
25	Patole Gauri Sanjay	gk	gk
26	Dalkari Sakshi Krishna	gk	gk
27	Deogaonkar Saily Laxmikant	gk	gk
28	Madake sarthak vishnupant	gk	gk
29	Divekar Omkar Sunil	gk	gk
30	Prashant Raosaheb Gawali	gk	gk
31	Honde janardhan ramchandra	gk	gk
32	Bhagwat Komal Rajendra	gk	gk
33	Bhosale Pravin Dattatray	gk	gk
34	Chandanshiv arti sahebrao	gk	gk

35	Someshwar balasaheb bhalerao	PKN SK AB GB
36	Jagdale kartik bhagwan	KJ SK AB GB
37	Shrutika Khalkar	PKN SK AB GB
38	Pratiksha kishornarode	PKN SK AB GB
39	Dawange Tejas Satish	PKN SK AB GB
40	Khatkale shital bapu	PKN SK AB GB
41	Shaikh shanaRamjan	PKN SK AB GB
42	Naik Atharv Rajesh	PKN SK AB GB
43	Solase Arati Baban	PKN SK AB GB



Y.S. Chaudhari

Co-ordinator, Certificate Course





A.D. Pawar

HOD
Head

Department of Microbiology
K. J. Somaiya College, K. J. Somaiya College, K. J. Somaiya College



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Certificate Course in Health and Environment Awareness

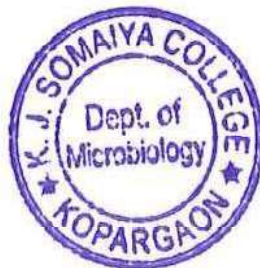
Date: 20/03/2021

NOTICE

All **S.Y.B.Sc. Microbiology** students are here by informed that their Examination for Certificate Course in Health and Environment Awareness will be held on **26/03/2021** at 10.00 am in regular class room.


HOD

Head
Department of Microbiology
K. J. Somaiya College, Kopargaoon




Principal

Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopargaoon



DEPARTMENT OF MICROBIOLOGY

Date: 26/03/2021

ATTENDANCE SHEET

Examination in Certificate Course in Environmental Awareness

Sr. No.	Name of the Student.	Roll. No.	Signature.
1	Narode Pratiksha kishor	50	Narode
2	Ghumare Nikita Dattatray	149	Ghumare
3	vinchu Prati Annasaheb	236	Prativ
4	Kape Akanksha Ravi	172	Kape
5	Kote Sujata Dattatray.	169	Kote
6	Maid Gayatri Bhausaheb.	231	Maid
7	Mansuri Ishward Jagbal	154	Mansuri
8	Devkar pratiksha Nivrutti	222	Devkar
9	Deokar Geeta Ananda	171	Deokar
10	Jadhav vaishnavi chanddeo	249	Jadhav
11	shaikh suhana Ramjan	93	Shaikh
12	Deogaonkar Saily Laxmikant	208	Saily
13	Gawari Prashant Ramesh	192	Gawari
14	Divekar Omkar Sunil	180	Divekar
15	Kattkade Saurabh Nanasaheb	175	Kattkade
16	Alhat Atul Daga	162	Alhat
17	Ravale Vishal Vijay	205	Ravale
18	Rokade Rushikesh Dattatray	185	Rokade
19	Honde Jyotiraman Ramchandra	62	Honde
20	Bhosale Pravin Dattatray	189	Bhosale
21	Bhagwat Gaurav Rajendra	17	Bhagwat
22	Naik Atharv Rajesh	187	Naik
23	Dawange Tejas Satish	20	Dawange
24	Madake Santhak Vishnupant	244	Madake
25	Raktate komal Babasaheb	147	Raktate
26	Varpe Pranjal sopan	204	Varpe
27	Bhagwat komal Rajendra	252	Bhagwat

27	patole Gauri Sanjay	248	G.S. Patole
28	Kadam Sadichha Ravendra	247	Sadichha
29	Pingle Sakshi Ratnakar	70	Pingle
30	Chandanshiy Arti Sahabroo	16	Chandanshiy
31	Kharkar Shrutika Nandu	254	Kharkar
32	Shaikh Aman Diwan	46	AS
33	Garkwad Rahul Balasaheb	136	Garkwad
34	Dalkari Sakshi Krishna	80	Dalkari
35	Shevkar Pooja Bhaupati	250	Pooja B's
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Head. Dept. Of Microbiology

Prof. Aakash Pawar.

Head

Department of Microbiology
K. J. Somaiya College, Kopergaon

Co-ordinator

Prof. Yogesh Chaudhari.

Incharge Faculty

Prof. V.S. Aher.



Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopargaon
DEPARTMENT OF MICROBIOLOGY
Certificate Course in Health and Environment Awareness
Examination (2020-21)

Name of Student:-

Roll No: -

Class: -

Date: -

26/3/21

1. Which of the following statement about the forest is not correct?

- (a) Forest reduces soil erosion (b) Provides recreational opportunities
(c) Provides economic development (d) None of the above

2. Most stable ecosystem is

- (a) Forest (b) Desert (c) Ocean (d) Mountain

3. Lignite, bituminous and anthracite are different types of.

- (a) Nuclear fuel (b) Coal (c) Natural gas (d) Biogas

4. Which of the following is the example of impact of development activities on hydrosphere?

- (a) Air pollution (b) Soil pollution (c) Noise pollution (d) Water pollution

5. Study of trends in human population growth and prediction of future growth is called-

- (a) Demography (b) Biography (c) Paleography (d) Psychology

6. Which of the following is not a method of water conservation.

- (a) Rain water harvesting (b) Ground water extraction
(c) Improving irrigation efficiency (d) Avoiding water wastage

7. Zone consisting air, water and soil is known as-

- (a) Hydrosphere (b) Atmosphere (c) Lithosphere (d) Biosphere

8. Earthworms and bacteria are called.

- (a) Producers (b) Consumers (c) Decomposers (e) None of these

9. 5th June is observed as-

- (a) World forest day (b) World environment day (c) World wildlife day (d) World population day

10. Noise is measured using sound meter and the unit is-

- (a) Hertz (b) Decibel (c) Joule (d) Sound

11. The three major living components of an ecosystem are-

- (a) Producers, consumers and Decomposers (b) Producers, Autotrophs and Decomposers
(c) Heterotrophs, Consumers and Reducers (d) Detritivores, Consumers and Phototrophs

12. The green plants are also called.

- (a) Producers (b) Consumers (c) Reducers (d) Detritivores

13. Nutrients are recycled in ecosystem by-

- (a) Biogeochemical cycle (b) Energy flow (c) Producers (d) Consumers

14. AIDS is caused by HIV. Among the following, which one is not a mode of transmission of HIV?

- (a) Transfusion of contaminated blood. (b) Sharing the infected needles.
(c) Shaking hands with infected persons. (d) Sexual contact with infected persons.

15. Tobacco consumption is known to stimulate secretion of adrenaline and nor-adrenaline. The component causing this could be-

- (a) Nicotine (b) Tannic acid (c) Curaimin (d) Catechin.

16. Which of the following factors affect human health?

- (a) Infections (b) Silent mutation (c) Life style (d) Genetic disorders

17. Which one of the following disease is non – communicable?

- (a) Diphtheria (b) Flu (c) Cancer (d) Malaria

18. Which of the following pairs contains an infectious and a non-infectious disease respectively?

- (a) Typhoid and AIDS (b) AIDS and cancer (c) Pneumonia and malaria (d) Cancer and malaria

19. Typhoid fever in human beings is caused by-

- (a) Plasmodium vivax (b) Trichophyton (c) Salmonella typhi (d) Rhinoviruses.

20. Which of the following is the bacterial disease in humans?

- (a) Dysentery (b) Malaria (c) Plague (d) Both (a) & (c)

21. Which of the following pathogens causes whooping cough?

- (a) Legionella sp. (b) Bordetella pertussis (c) Vibrio cholera (d) Burcella melitensis

22. Which one of the following sets includes bacterial diseases?

- (a) Tetanus, tuberculosis, measles (b) Diphtheria, leprosy, plague
(c) Cholera, typhoid, mumps (d) Malaria, mumps, poliomyelitis

23. The common cold is caused by-

- (a) Rhino viruses (b) Streptococcus pneumoniae (c) Salmonella typhimurium (d) Plasmodium vivax.

24. Hepatitis B is transmitted through

- (a) Sneezing (b) Female Anopheles (c) Coughing (d) Blood transfusion.

25. Passive immunity can be conferred directly by

- (a) Vaccines (b) Antitoxins (c) Colostrum (d) Both (b) & (c)

26. During the life cycle of Plasmodium, sexual reproduction takes place in which of the following hosts?

- (a) Human (b) Female Anopheles mosquito (c) Male Anopheles mosquito (d) Both (a) and (b)

27. Amoebic dysentery (amoebiasis) is caused by-

- (a) Entamoeba histolytica (b) E. coli (c) Streptococcus pneumonia (d) Trichophyton.

28. Which of the following diseases is transmitted by the bite of the female mosquito vector?

- (a) Filariasis (b) Amoebiasis (c) Typhoid (d) Pneumonia

29. Which of the following pairs correctly matches a disease and a pathogen causing it?

- (a) Typhoid – Salmonella typhi (b) Pneumonia – Haemophilus pneumoniae
(c) Malaria – Ascaris lumbricoides (d) Ringworm – Entamoeba histolytica

30. The pathogen Microsporium responsible for ringworm disease in humans belongs to the same kingdom as that of-

- (a) Taenia, a tapeworm (b) Ascaris, a roundworm (c) Rhizopus, a mould (d) Wuchereria, a filarial worm.

31. Appearance of dry, scaly lesions with itching on various parts of the body are the symptoms of--

- (a) Elephantiasis (b) Ringworm (c) Ascariasis (d) Amoebiasis

32. Heroin is commonly called as

- (a) Coke (b) Crack (c) Smack (d) Charas.

33. Compressed Natural Gas (CNG) is:

- (a) Propane (b) Methane (c) Ethane (d) Butane

34. Which is the Sanskrit root (verb form) for the etymological derivation of the word "Yoga"?

- (A) Yug (B) Yuge (C) Yuj (D) Yuje

35. Definition of Yoga according to Kathopanishad is

- (A) Control on mind (B) Control on sense organs, mind and intellect
(C) Control on sense organs and intellect (D) Control on body and mind

36. Definition of Yoga according to Kathopanishad is

- (A) Control on mind (B) Control on sense organs, mind and intellect
(C) Control on sense organs and intellect (D) Control on body and mind

37. Which day is celebrated as 'International Day of Yoga'?

- (A) June 20 (B) June 21 (C) June 22 (D) June 23

38. Which of the following are causes of environmental degradation.

- (a) Urbanization (b) Industrialization and Overpopulation growth (c) Deforestation (d) All of the above

39. Which of the following are effects of environmental degradation.

- (a) Impact on human health (b) Loss of biodiversity (c) Ozone layer depletion (d) All of the above

40 Pollution causes undesirable changes in the following Characteristics of air, water, land or soil

- (1) Physical (2) Chemical (3) Biological (4) All of these

41. The 'Chipko Movement', for the conservation of forest, started in-

- (1) 1731 (2) 1974 (3) 1874 (4) 1831

42. Tuberculosis is caused by-

- (a) Mycobacterium (b) Vibrio (c) Clostridium (d) Nitrobacter

43. Jal Yukta Shivar Yojana is related to-

- (a) Scarcity of water (b) Soil erosion (c) Deforestation (d) None of the above

44. Samajik Vanikaran Scheme is related to-

- (a) Deforestation (b) Economics (c) Both a and b (d) None of the above

45. Which of the following is considered as a life style disease

- (a) Diabetes (b) Typhoid (c) Cholera (d) None of the above

46. Health includes:-

- (a) Complete physical wellbeing (c) Complete mental well being
(b) Complete social wellbeing (d) All of the above

47. Tobacco chewing is associated with increased risk of which cancer:-

- (a) Oral cancer (b) Lung cancer (c) Urinary bladder cancer (d) Prostate cancer

48. Photo-chemical smog is:

- (a) $\text{H}_2\text{SO}_4 + \text{HNO}_3$ (b) Vapours of H_2SO_4 (c) $\text{PAN} + \text{O}_3 + \text{NO}_x$ (d) $\text{PAN} + \text{H}_2\text{SO}_4$

49. Which pollutant exhibits biomagnification in food chain -?

- (a) DDT (b) SO_2 (c) CO (d) PAN

50. Which will not cause any atmospheric pollution -

- (a) Hydrogen (b) Sulphur dioxide (c) Carbon dioxide (d) Carbon monoxide

Best of Luck



Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science



Mohanirajnagar, Kopargaon, Dist. Ahmednagar 423601, (Maharashtra) India
Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))
Department of Microbiology
Grading System for Certificate Course Health and Environment Awareness 2020-21

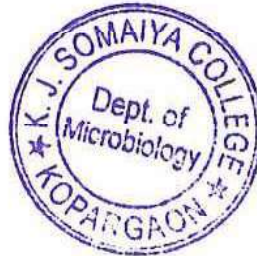
Marks (50)	Grade	Remarks
46-50	A+	Excellent
41-45	A	Very Good
36-40	B+	Good
31-35	B	Average
26-30	C+	Pass
21-25	C	Poor
15-20	D	Very Poor

Head

Dept of Microbiology

Head

Department of Microbiology
K. J. Somaiya College, Kopargaon



Principal

Principal

K.J.Somaiya College of Arts
& Commerce & Science, Kopargaon



Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopergaon
DEPARTMENT OF MICROBIOLOGY

Date: 27/03/2021

Result

Examination in Certificate Course in Health and Environmental
Awareness

Sr. No.	Name of the Student.	Grade
1	Alhat Atul Dagu	A ⁺
2	Bhagwat Gaurav Rajendra	B
3	Bhagwat Komal Rajendra	A
4	Bhalerao Someshwar Balasaheb	B
5	Bhosale Pravin Dattatray	B
6	Chandanshiv Arti Sahebrao	A ⁺
7	Dalkari Sakshi Krishna	A
8	Dawange Tejas Satish	A
9	Deogaonkar Saily Laxmikant	A
10	Deokar Geeta Ananda.	A ⁺
11	Devkar Pratiksha Nivrutti	A ⁺
12	Divekar Omkar Sunil	A
13	Gaikwad Niranjana Haribhau	B
14	Gaikwad Rahul Gaikwad	A ⁺
15	Gawali Prashant Raosaheb	A ⁺
16	Ghumare Nikita Dattatray	A ⁺
17	Honde Janardhan Ramchandra	A ⁺
18	Jadhav Vaishnavi Changdeo	A ⁺
19	Jagdale Kartik Bhagwan	C ⁺
20	Kadam Sadichha Rajendra	B
21	Kape Akanksha Ravi	A ⁺

Department of Microbiology
K. J. Somaiya College of Arts, Commerce and Science, Kopergaon

22	Katkade Saurabh Nanasaheb	C ⁺
23	Khalkar Shrutika Nandu	A ⁺
24	Khatkale Shital Bapu	C ⁺
25	Kote Sujata Dattatray	B ⁺
26	Kudale Umesh	C ⁺
27	Madake Sarthak Vishnupant	C ⁺
28	Maid Gayatri Bhausaheb	A ⁺
29	Mansuri Irshaad Iqbal	A ⁺
30	Naik Atharv Rajesh	A ⁺
31	Narode Pratiksha Kishor	A ⁺
32	Patole Gauri Sanjay	A
33	Pingle Sakshi Ratnakar	C ⁺
34	Raktate Komal Babasaheb	A
35	Ravale Vishal Vijay	A ⁺
36	Rokade Rishikesh Dattatray	C ⁺
37	Shaikh Aman Dilawar	A ⁺
38	Shelar Aadesh Annasaheb	C ⁺
39	Shevkar Pooja Bhuapatil	C ⁺
40	Shinde Shweta Changdev	C ⁺
41	Suhana Ramjan Shaikh	C ⁺
42	Varpe Pranjal Sopan	B ⁺
43	Vinchu Priti Annasaheb	A ⁺

Head. Dept. Of Microbiology

Prof. Aakash Pawar.

Department of Microbiology
K. J. Somaiya College, Kopergaon

Co-ordinator

Prof. Yogesh Chaudhari.

Incharge Faculty

Prof. V.S. Aher.



Specimen Copy

Kopargaoon Taluka Education Society's

K.J. Somaiya College of Arts, Commerce and Science, Kopargaoon

(Affiliated to Savitribai Phule Pune University, Pune)

NAAC Re-accredited with "A" Grade

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Best College Award by S.P. Pune University

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Certificate

This is to certify that Mr./Ms./Mrs. _____
from the class _____ has successfully completed the certificate
course entitled _____
_____ run by
the Department of _____ conducted between
/ /20 & / /20 . He / She has been awarded with _____
grade.

Coordinator

Certificate Course Chairman


Principal



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Application for Permission to commence Certificate Course: 2021-22

Date: 1/12/2021 ✓

To,

The coordinator,

IQAC, K. J. Somaiya College,

Kopargaon

Subject: Regarding Permission to commence Certificate Course for
S.Y.B.Sc(2021-22)

Respected Sir,

With reference to subject cited above, it is essential to start Certificate Course for the students of **S.Y.B.Sc. Microbiology**, so as to improve their awareness in respective subject. So please allow us to commence the Certificate Course classes w. e. from **20/12/2021** after regular classes.


HOD

Head
Department of Microbiology
K. J. Somaiya College, Kopargaon




Principal

Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopargaon



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

**FACULTY OF SCIENCE,
Department of Microbiology**

NOTICE

Certificate Course in Health and Environment Awareness

This course is designed for the awareness purpose regarding Health and Environment. This pandemic has badly hit our life's with severe Health issues. It has taught us many good things to be followed in our day-to-day life which has to be taken care of. So, Health is the first priority for us. We request all Students to Enrol yourself before **20th DEC 2021** to this Certificate Course and get educated and understand the importance of Health and Environment.

Syllabus for this Course is as follows

Chapter 1- Introduction

Chapter 2- Health Awareness

Chapter 3- Environment Awareness

Chapter 4- Environmental Issues

Head,

Department of Microbiology



Principal

**Head
Department of Microbiology
K. J. Somaiya College, Kopargaon**

**Principal
K.J.Somaiya College of Arts
Commerce & Science Kopargaon**



Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science
Mohanirajnagar, Kopargaon, Dist. Ahmednagar 423601,
(Maharashtra) India



Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology

Date: 20/12/2021

Time Table for Certificate Course

Course Name: Certificate course in Environment and Health Awareness

Class: S. Y. B. Sc.

Lectures for the certificate course will be conducted on every Wednesday and Saturday.

Time: 1 PM – 3 PM

Mr. Y. S. Chaudhari

Co-ordinator

Certificate Course

Mr. A. D. Pawar

Head

Department of Microbiology

Head
Department of Microbiology
K. J. Somaiya College, Kopargaon

Dr. B. S. Yadav

Principal

K. J. Somaiya College

Principal
K.J.Somaiya College of Arts
Commerce & Science, Kopargaon



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(Maharashtra) India



Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology

Students list

Examination in Certificate Course in Health and Environmental Awareness

Sr. No.	Name of Student
1	CHIKANE KALYANI SANJAY
2	KOLHE PRITI GANESH
3	TIBHE VAISHNAVI SANJAY
4	SAWARGAOKAR GAURI VISHWAS
5	SURASHE MANSI GOVIND
6	SINGAR VAISHALI DIGAMBAR
7	BIDVE ADITYA YUVRAJ
8	NARODE GAYATRI SHANTARAM
9	SABALE SWAMINI RAMESH
10	PARMESHWAR AMRUTA RAMKISAN
11	DESHMUKH ADITI ASHOK
12	LONDHE PRATIKSHA DNYANESHWAR
13	SHELKE NIKITA DILIP
14	GOSAVI VAISHNAVI LAXMAN
15	RAKTATE MADHURI VILAS
16	KHARAT PRATIKSHA ARJUN
17	JAGTAP MANYATA KAILAS
18	SHINDE VAISHNAVI SADASHIV
19	PACHORE KALYANI VIJAY
20	PACHORE ROHINI ARUN
21	PACHORE TEJAS ARUN



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Department of Microbiology

Certificate course in Health and Environment Awareness

Attendance sheet for lectures

Sr. No.	Name of Students	Date															
		22/12	29/12	01/01	05/01	08/01	12/01	14/01	19/01	22/01	29/01	02/02	05/02	09/02	12/02	16/02	
1	CHIKANE KALYANI SANJAY	Ab	KSC	KSC	KSC	Ab	KSC	KSC	Ab	KSC	Ab	KSC	KSC	KSC	KSC	KSC	KSC
2	KOLHE PRITI GANESH	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Ab	Priti	Priti
3	TIBHE VAISHNAVI SANJAY	T.V	T.V	T.V	T.V	T.V	T.V	T.V	T.V	T.V	T.V	T.V	Ab	T.V	T.V	T.V	T.V
4	SAWARGAOKAR GAURI VISHWAS	Gauri	Gauri	Gauri	Ab	Gauri	Gauri	Ab	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri
5	SURASHE MANSI GOVIND	MS	MS	MS	MS	MS	MS	MS	Ab	MS	MS	MS	MS	MS	MS	MS	Ab
6	SINGAR VAISHALI DIGAMBAR	S.V	Ab	S.V	S.V	S.V	S.V	S.V	S.V	S.V	S.V	Ab	S.V	Ab	S.V	S.V	S.V
7	BIDVE ADITYA YUVRAJ	A.Y.B	A.Y.B	A.Y.B	A.Y.B	Ab	A.Y.B	A.Y.B	A.Y.B	A.Y.B	A.Y.B	A.Y.B	A.Y.B	A.Y.B	A.Y.B	A.Y.B	A.Y.B
8	NARODE GAYATRI SHANTARAM	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode	G.Narode
9	SABALE SWAMINI RAMESH	SR	SR	Ab	SR	SR	SR	SR	SR	SR	SR	SR	Ab	SR	Ab	SR	SR
10	PARMESHWAR AMRUTA RAMKISAN	ARP	ARP	ARP	ARP	Ab	ARP	ARP	ARP	ARP	ARP	ARP	ARP	ARP	ARP	ARP	ARP
11	DESHMUKH ADITI ASHOK	Ab	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Ab	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi
12	LONDHE PRATIKSHA DNYANESHWAR	P.DL	P.DL	P.DL	Ab	P.DL	P.DL	P.DL	P.DL	P.DL	P.DL	P.DL	P.DL	Ab	P.DL	P.DL	P.DL
13	SHELKE NIKITA DILIP	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Ab	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita
14	GOSAVI VAISHNAVI LAXMAN	VLG	Ab	VLG	VLG	Ab	VLG	VLG	Ab	VLG	Ab	VLG	Ab	VLG	VLG	VLG	Ab

Sr. No.	Name of Students	Date														
		22/12	29/12	01/01	05/01	08/01	12/01	14/01	19/01	22/01	29/01	02/02	05/02	09/02	12/02	16/02
15	RAKTATE MADHURI VILAS	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V
16	KHARAT PRATIKSHA ARJUN	Ab	PK	Ab	PK	PK	PK	PK	PK	Ab	PK	PK	PK	PK	Ab	PK
17	JAGTAP MANYATA KAILAS	IMK	IMK	IMK	IMK	IMK	Ab	IMK	IMK	IMK	IMK	Ab	IMK	IMK	IMK	IMK
18	SHINDE VAISHNAVI SADASHIV	S.V.S	S.V.S	S.V.S	Ab	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S
19	PACHORE KALYANI VIJAY	PK	Ab	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
20	PACHORE ROHINI ARUN	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR	PR
21	PACHORE TEJAS ARUN	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja

Mr. Y. S. Chaudhari

Co-ordinator, Certificate Course



Mr. A. D. Pawar

Head, Department of Microbiology

Head
Department of Microbiology
K. J. Somaiya College, Kopergaon



Kopargaon Taluka Education Society's

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Department of Microbiology

Certificate course in Health and Environment Awareness

Attendance sheet for lectures

Sr. No.	Name of Students	Date														
		22/12	29/12	01/01	05/01	08/01	12/01	14/01	19/01	22/01	29/01	02/02	05/02	09/02	12/02	16/02
1	CHIKANE KALYANI SANJAY	RSC	RSC	RSC	RSC	RSC	RSC	RSC	RSC	RSC	RSC	Ab	RSC	RSC	RSC	RSC
2	KOLHE PRITI GANESH	Priti	Priti	Ab	Priti	Ab	Priti	Priti	Priti	Priti	Priti	Priti	Priti	Ab	Priti	Priti
3	TIBHE VAISHNAVI SANJAY	Ab	T.V.	T.V.	T.V.	T.V.	T.V.	Ab	T.V.	Ab	T.V.	T.V.	T.V.	T.V.	T.V.	T.V.
4	SAWARGAOKAR GAURI VISHWAS	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Gauri	Ab	Gauri	Gauri
5	SURASHE MANSI GOVIND	MS	Ab	MS	MS	MS	Ab	MS	MS	MS	Ab	MS	MS	MS	MS	MS
6	SINGAR VAISHALI DIGAMBAR	A.Y.B.	S.V.	S.V.	A.Y.B.	S.V.	A.Y.B.	A.Y.B.	Ab	A.Y.B.	S.V.	S.V.	A.Y.B.	S.V.	Ab	S.V.
7	BIDVE ADITYA YUVRAJ	A.Y.B.	A.Y.B.	A.Y.B.	Ab	A.Y.B.	A.Y.B.	A.Y.B.	A.Y.B.	A.Y.B.	A.Y.B.	A.Y.B.	A.Y.B.	A.Y.B.	A.Y.B.	A.Y.B.
8	NARODE GAYATRI SHANTARAM	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde	Gharde
9	SABALE SWAMINI RAMESH	SSR	SSR	SSR	SSR	SSR	SSR	Ab	SSR	SSR	SSR	SSR	SSR	Ab	SSR	Ab
10	PARMESHWAR AMRUTA RAMKISAN	Ab	ARP	ARP	ARP	Ab	ARP	ARP	ARP	ARP	ARP	Ab	ARP	ARP	ARP	ARP
11	DESHMUKH ADITI ASHOK	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi	Ab	Aditi	Aditi	Aditi	Aditi	Aditi	Aditi
12	LONDHE PRATIKSHA DNYANESHWAR	P.DL	P.DL	Ab	P.DL	P.DL	P.DL	P.DL	P.DL	P.DL	Ab	P.DL	P.DL	P.DL	P.DL	P.DL
13	SHELKE NIKITA DILIP	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Nikita	Ab	Nikita	Nikita
14	GOSAVI VAISHNAVI LAXMAN	VLG	Ab	VLG	Ab	VLG	Ab	VLG	Ab	VLG	VLG	VLG	VLG	VLG	Ab	VLG

Sr. No.	Name of Students	Date														
		22/12	29/12	01/01	05/01	08/01	12/01	14/01	19/01	22/01	29/01	02/02	05/02	09/02	12/02	16/02
15	RAKTATE MADHURI VILAS	R.M.V	R.M.V	Ab	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V	R.M.V
16	KHARAT PRATIKSHA ARJUN	Ab	PK	PK	PK	PK	Ab	PK	PK	PK	Ab	PK	PK	PK	PK	PK
17	JAGTAP MANYATA KAILAS	Imk	Imk	Imk	Ab	Imk	Imk	Imk	Ab	Imk	Imk	Imk	Imk	Imk	Ab	Imk
18	SHINDE VAISHNAVI SADASHIV	S.V.S	S.V.S	Ab	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S	S.V.S
19	PACHORE KALYANI VIJAY	Pachore	Pachore	Pachore	Pachore	Ab	Pachore	Pachore	Pachore	Ab	Pachore	Ab	Pachore	Ab	Pachore	Pachore
20	PACHORE ROHINI ARUN	PR	Ab	PR	PR	PR	PR	Ab	PR	PR	PR	PR	PR	PR	PR	PR
21	PACHORE TEJAS ARUN	Teja	Teja	Teja	Teja	Ab	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Teja	Ab

Mr. Y. S. Chaudhari

Co-ordinator, Certificate Course



Mr. A. D. Pawar

Head, Department of Microbiology

Head

Department of Microbiology
K. J. Somaiya College, Kopergaon



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Certificate Course in Health and Environment Awareness: 2021-22

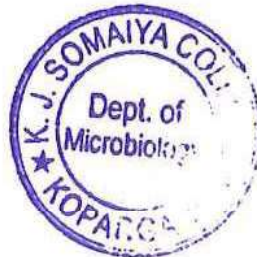
Date: 12/03/2022

NOTICE

All S.Y. B.Sc. Microbiology students are here by informed that your Exam for Certificate Course in Health and Environment Awareness will be held on 16/03/2022 at 9.00 a.m. in regular class rooms.


HOD

Head
Department of Microbiology
K. J. Somaiya College, Kopergaon




Principal

Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopergaon



Kopargaon Taluka Education Society's

K. J. Somaiya College of Arts, Commerce and Science, Kopargaon

DEPARTMENT OF MICROBIOLOGY

Certificate Course in Health and Environment Awareness Examination (2021-22)

Name of Student:

Roll No.:

Class: S-Y-B.Sc.

Date: 16/3/22

1. Health is a state of complete __, __ and __ well-being.
A) Physical B) Mental C) Social D) All of the above.
2. Van Mahotsav includes
A) Planting and protecting trees C) Restoration of green cover
B) Destruction of trees should be curtailed D) All the above
3. ____ is the example of non-renewable natural resources
A) Water B) Solar energy C) Crops D) Coal and petroleum
4. Health is not merely the absence of __ and __.
A) Disease B) Infirmary C) Both A and B D) None of the above
5. The Chipko movement was originated in ____ district of Uttarakhand.
A) Haridwar B) Dehradun C) Champawat D) Chamoli
6. Healthful activities includes ____
A) Stress B) High risk behaviour C) Adequate sleep D) Smoking
7. Which of the following is a fossil fuel?
A) Tar B) Coal C) Petroleum D) All the above
8. Smoking is unhealthy activity and many other activities like __, __ and __ also unhealthy one.
A) Stress B) Drug abuse C) Alcohol consumption D) All of the above.
9. Soil erosion can be prevented by
A) Afforestation B) Deforestation C) Over grazing D) Removal of vegetation
10. Green House effect refers to
A) Cooling of earth B) Trapping of UV rays C) Warming of earth D) All of the above.

11. Global warming will cause the following problem
A) Melting of glaciers B) Raising of ocean level C) Sinking of islands D) All the above
12. The scope of health awareness includes __, prevention and treatment.
A) Mitigation B) Promoting health C) to prevent the pandemic D) All of the above.
13. Common energy source in village is
A) Coal B) Biogas C) Electricity D) Wood and animal dung
14. Prevention of diseases, promoting healthcare and improving medical care comes under ____.
A) Health prediction B) Health awareness C) Scope of health D) Improvisation of world
15. India has __ medical facilities, research and proper infrastructure.
A) Moderate B) Great C) Poor D) Good
16. Soil erosion is caused by
A) Deforestation B) Farming and mining C) Overgrazing by cattle D) All the above.
17. _____ is used for generation of electricity
A) Tar B) Coal C) Petroleum D) All the above
18. Biogas is otherwise called as
A) Vermi gas B) Methane C) Gobar gas D) Global gas
19. Earth's surface is covered with nearly _____ of water.
A) 70% B) 74% C) 72% D) 73%
20. Europe and USA has __ medical facilities, research and proper infrastructure.
A) Moderate B) Great C) Poor D) Worst
21. The main purpose of rainwater harvesting is recharge the
A) Gardens B) Wells C) Cannels D) Groundwater table
22. Disposal of any kind of electrical and electronic waste is called
A) Waste B) Domestic waste C) Vegetable waste D) e-waste
23. Removal of microorganisms from the sewage water is by
A) Aeration B) Pre-screening C) Disinfection D) Sludge removal
24. Process of burning of non-biodegradable solid waste is called _____.
A) Composting B) Incinerations C) Segregation D) Sanitary land filling

25. Deforestation is caused by
- A) Over population and shifting of cultivation
 - B) The increase in demand for fuel is another reason
 - C) Over grazing and forest fire
 - D) All the above
26. _____ is an elixir of life
- A) Air
 - B) Water
 - C) food
 - D) All the above
27. Deforestation generally decreases
- A) Rain fall
 - B) Drought
 - C) Global warming
 - D) Soil erosion
28. The headquarters of world health organisation (WHO) is located in ____.
- A) Geneva, Switzerland
 - B) Venice, Italy
 - C) Munich, Germany
 - D) Paris, France
29. ____ is the director general of world health organisation (WHO).
- A) Tedros Ghebreyesus
 - B) Jerome Taylor
 - C) Denis Ritchie
 - D) Gro Harlem Brundtland
30. The apex body governing the medical healthcare services across the world is ____.
- A) World Bank
 - B) World health organisation
 - C) INTERPOL
 - D) World trade organisation
31. Which is the first state in India to make roof top Rain Water Harvesting Structure compulsory to all the across the state is
- A) Tamil Nadu
 - B) Karnataka
 - C) Kerala
 - D) None of these
32. World Water Day is celebrated on
- A) March 12
 - B) March 22
 - C) March 25
 - D) March 30
33. Water scarcity is mainly caused due to
- A) Over population
 - B) Low rainfall
 - C) Over-exploitation
 - D) Unequal access
34. To remain healthy following things should be followed ____.
- A) Regular exercise
 - B) Balanced diet
 - C) Both A and B
 - D) Smoking
35. Which of the following is not an air pollutant
- A) Smoke
 - B) Carbon Dioxide
 - C) Nitrogen Gas
 - D) Sulphur Dioxide
36. In which year, U.N. Conference on human environment was held at Stockholm
- A) 1962
 - B) 1972
 - C) 1982
 - D) 1992
37. ____ these habits are included in good healthy habits.
- A) Good balanced diet
 - B) Drinking plenty of water
 - C) Regular exercise
 - D) All of the above

38. One can maintain his healthy lifestyle using ____.

- A) Yogasanas B) Pranayamas C) Meditation D) All of the above

39. Meditation is necessary to ____.

- A) Get focus quickly B) Calm your mind C) Get concentrate on work D) All of the above

40. After performing yoga, you will get benefits like ____.

- A) Calm mind B) Physically fit body C) Both A and B D) None

41. One can donate her blood after ____ months of previous blood donation.

- A) 1 B) 2 C) 3 D) 4

42. ____ ml of blood is taken out from the person during blood donation, according to her weight.

- A) 300-350 ml B) 350-400 ml C) 350-450 ml D) 300-500 ml

43. During the wake of Covid19, what preventive measures one should follow to contain the spread of the disease?

- A) Use of mask B) Use of sanitizer C) Both A and B D) None

44. Hand washing for a period of at least ____ seconds is necessary to prevent the spread of diseases.

- A) 10 B) 30 C) 20 D) 50

45. One should take the balanced diet which includes ____.

- A) Junk food B) Cereal C) Fried food D) Both A and B

46. One should avoid the ____ food which could not be healthy and can cause side effects.

- A) Junk food B) Cereal C) Both A and B D) Pulses

47. According to world health organisation (WHO), health includes ____.

- A) Physical health B) Mental health C) Social health D) All of the above

48. Which one of the following cause harm to human health?

- A) Use of pesticides B) Organic farming C) Use of solar vehicles D) Protecting forests

49. The term ____ refers to unhealthful intake of dietary nutrients.

- A) Healthy food B) Foul food C) Malnutrition D) Nutritious food

50. Desertification of Cauvery is caused by

- A) Deforestation B) Urbanization C) Raising agriculture and industry D) All the above



Kopergaon Taluka Education Society's

K. J. Somaiya College of Arts, Commerce and Science, Kopergaon

DEPARTMENT OF MICROBIOLOGY

Certificate Course in Health and Environment Awareness Examination (2021-22)

Attendance

Date :- 16/03/2022

Sr. No.	Name of Student	Sign
1)	chikane kalyani sanjay	
2)	kolhe priti Ganesh	
3)	tibhe vaishnavi sanjay	
4)	pachore Rohini Arun	
5)	Pachore kalyani Vijay	
6)	Narede Gayatri Shantaram.	
7)	Singar Vaishali Digambar.	
8)	Londhe Pratiksha Dnyaneshwar	
9)	Deshmukh Aaditi Ashok	
10)	Gosavi Vaishnavi Laxman.	
11)	Shelke Nikita Dilip	
12)	Raktode Madhuri Vilas	
13)	Pachore Tejas Arun	
14)	Bidre Aditya Yuvraj	
15)	Gawarganekar Gauri Vishwas	
16)	Shinde vaishnavi sadashiv	
17)	surase Mansi Govind	
18)	kharsat Pratiksha - Raju	
19)	Jagtap Manyata Karilay	

Yogesh S Chaudhari

Co- Ordinator

Aakash D Pawar

head Dept of Microbiology

Head
Department of Microbiology
K. J. Somaiya College, Kopergaon



Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science



Mohanirajnagar, Kopargaon, Dist. Ahmednagar 423601, (Maharashtra) India

Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology

Grading System for Certificate Course Health and Environment Awareness 2021-22

Marks (50)	Grade	Remarks
46-50	A+	Excellent
41-45	A	Very Good
36-40	B+	Good
31-35	B	Average
26-30	C+	Pass
21-25	C	Poor
15-20	D	Very Poor


Head

Dept of Microbiology

Head

Department of Microbiology
K. J. Somaiya College, Kopargaon




Principal

K.J.Somaiya College of Arts
Commerce & Science, Kopargaon



Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science
Mohanirajnagar, Kopergaon, Dist. Ahmednagar 423601,
(Maharashtra) India



Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology

Date: 21/03/2022


Result

Examination in Certificate Course in Health and Environmental Awareness

Sr. No.	Name of Student	Grade
1	CHIKANE KALYANI SANJAY	A
2	KOLHE PRITI GANESH	A
3	TIBHE VAISHNAVI SANJAY	A
4	SAWARGAOKAR GAURI VISHWAS	B ⁺
5	SURASHE MANSI GOVIND	A
6	SINGAR VAISHALI DIGAMBAR	B
7	BIDVE ADITYA YUVRAJ	B
8	NARODE GAYATRI SHANTARAM	A
11	DESHMUKH ADITI ASHOK	A ⁺
12	LONDHE PRATIKSHA DNYANESHWAR	A ⁺
13	SHELKE NIKITA DILIP	A ⁺
14	GOSAVI VAISHNAVI LAXMAN	A ⁺
15	RAKTATE MADHURI VILAS	A ⁺
16	KHARAT PRATIKSHA ARJUN	B
17	JAGTAP MANYATA KAILAS	B ⁺
18	SHINDE VAISHNAVI SADASHIV	A
19	PACHORE KALYANI VIJAY	B ⁺
20	PACHORE ROHINI ARUN	A ⁺
21	PACHORE TEJAS ARUN	B


Prof. Y. S. Chaudhari

Coordinator, Certificate Course


Prof. A. D. Pawar

Head, Department of Microbiology
Department of Microbiology
K. J. Somaiya College, Kopergaon



Specimen Copy

Kopargaoon Taluka Education Society's

K.J. Somaiya College of Arts, Commerce and Science, Kopargaoon

(Affiliated to Savitribai Phule Pune University, Pune)

NAAC Re-accredited with "A" Grade An ISO 9001:2015 Certified Institute

Best College Award by S.P. Pune University

Mohanirajnagar, Kopargaoon, Dist. Ahmednagar - 423 601. (Maharashtra) India.

Certificate

This is to certify that Mr./Ms./Mrs. _____

from the class _____ has successfully completed the certificate

course entitled _____

_____ run by

the Department of _____ conducted between

/ / 20 & / / 20 . He / She has been awarded with _____

grade.

Coordinator

Certificate Course Chairman

Bole
Principal


2019-20

Sr.No.	Department	Name of Certificate Course	Duration	Number of students enrolled	Number of students completed course
1	Microbiology	Certificate Course in Environmental Health and Awareness	30 Hours	49	49

2018-19

Sr.No.	Department	Name of Certificate Course	Duration	Number of students enrolled	Number of students completed course
1	Microbiology	Certificate Course in Environmental Health and Awareness	30 Hours	21	21


Head
Department of Microbiology
K. J. Somaiya College, Kopergaon


Principal
K.J.Somaiya College of Arts
Commerce & Science, Kopergaon



Kopargaoon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science
Mohanirajnagar, Kopargaoon, Dist. Ahmednagar 423601,
(Maharashtra) India



Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology

Summary of Certificate course in Health and Environment Awareness

The certificate course in health and environment awareness is designed for the awareness purpose regarding health and the environment. In today's scenario, we came to know many diseases, and the spread of various diseases like MERS, SARS, and Covid19 made the situation worse. Hence, health and environmental awareness remain vital for the Containment of such diseases.

The Course includes health and its basics by making people aware of health and health practices. The involvement of healthful activities like exercise and yoga will lead to healthy and able youth who share some stakes in society's good and eventually in the country's good. Blood donation will be beneficial, in generating plenty of blood & blood components leading to fulfilling the demand for it. Sanitary practices step towards the Swachh Bharat mission and improvisation in the health sector.

The course also includes the environment and its awareness surrounding basics to the issues of concern with their impact on human life. Environment and ecology imparting its effect on human life since their origin. The concerns regarding the lowered levels of good environment in many areas across the globe and their resolutions give the idea of analysis of environment and initiatives taken by government for the sake of people. This will lead to a lowering of environmental challenges.

Certificate Course in Health and Environment Awareness

Syllabus

Objectives/course outcome:

1. To create awareness about the Health and Environment among the students
2. To introduce the health conciseness and importance of Yoga in the human life.
3. To create awareness about importance of environment in humans day to day life

Chapter 1: Introduction:

- Definition of Human Health
- Nature of Human Health
- Scope of Health awareness
- World scenario for Health awareness
- World Health Organization (WHO)

Chapter II: Health Awareness

- Importance of Health awareness
- Importance of Exercise
- Yoga & Health
- Blood Donation & Health
- Hand Wash system
- Rural health mission in India
- Good Food for Good life
- Habits and its impact on human health.

Chapter III: Environment Awareness

- Introduction
- Definition of Environment
- Importance of Environmental Awareness
- Nature & Scope of Environmental Science

Chapter IV: Environmental Issues

- Pollution, Definition, Types
- Role of Trees in human life
- Role of Animals in human life
- Human body and Environmental changes
- Diseases and its awareness
- Human impact on environmental degradation
- Tree Plantation programme in India
- *SamajikVanikaran Scheme of Maharashtra Govt.*
- *Jal YuktShivar Scheme and Environment*
- Changing Agriculture pattern in environmental degradation



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

**FACULTY OF SCIENCE,
Department of Microbiology**

Application for Permission to commence Certificate Course: 2022-23

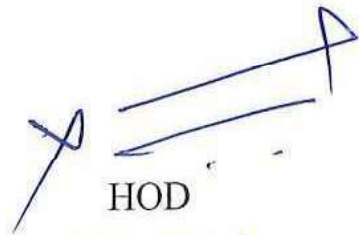
Date: 09/11/2022

To,
The coordinator,
IQAC, K. J. Somaiya College,
Kopargaon

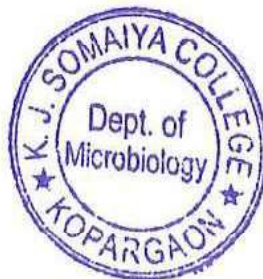
Subject: Regarding Permission to commence Certificate Course for S.Y.B.Sc
(2022-23)

Respected Sir,

With reference to subject cited above, it is essential to start Certificate Course for the students of **S.Y.B.Sc. Microbiology**, so as to improve their awareness in respective subject. So please allow us to commence the Certificate Course classes **w. e. from 14/11/2022** after regular classes.


HOD

Head
Department of Microbiology
K. J. Somaiya College, Kopargaon




Principal

Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopargaon



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

**FACULTY OF SCIENCE,
Department of Microbiology**

Date: 08/11/22

NOTICE

Certificate Course in Health and Environment Awareness

This course is designed for the awareness purpose regarding Health and Environment. This pandemic has badly hit our lives with severe Health issues. It has taught us many good things to be followed in our day-to-day life which has to be taken care of. So, Health is the first priority for us. We request all Students to enrol you till 09th NOV 2022 to this Certificate Course and get educated and understand the importance of Health and Environment.

Syllabus for this Course is as follows

Chapter 1- Introduction

Chapter 2- Health Awareness

Chapter 3- Environment Awareness

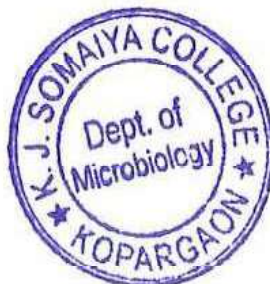
Chapter 4- Environmental Issues

Head,

Department of Microbiology

Head

Department of Microbiology
K. J. Somaiya College, Kopargaon



[Signature]
Principal

Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopargaon



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Certificate Course in Health and Environment Awareness: 2022-23

Date: 09/11/2022


Time Table for Certificate Course


Course Name: Certificate Course in Health and Environment Awareness

Class: S. Y. B.Sc.

Lectures for the Certificate Course will be conducted on every Monday and Saturday.

Time: 10:30 am to 11:00 am


Ms. P. K. Gakkhad
Co-ordinator
Certificate Course

Mr. Y. S. Chaudhari
Head
Department of Microbiology

Head
Department of Microbiology
K. J. Somaiya College, Kopargaon


Dr. B. S. Yadav
Principal
K. J. Somaiya College
Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopargaon



Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science
Mohanirajnagar, Kopergaon, Dist. Ahmednagar 423601,
(Maharashtra) India



Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology (2022-23)

Students list

Examination in Certificate Course in Health and Environmental Awareness

Sr. No.	Name of Student
1	Abhale Vishakha Keshav
2	Sonawane Sapana Kailas
3	Anarthe Vaidehi Atmaram
4	Navale Rutuja Prakash
5	Fatangare Nikita Ravindra
6	Shete Payal Sharad
7	Mahale Aarti Sanjay
8	Aher Snehal Ashok
9	Achari Ishwari Vikas
10	Sonawane Akshada Suresh
11	Shaikh Ayesha Wasim
12	Kalwaghe Sejal Sudhir
13	Gaikwad Sakshi Sharad
14	Shaikh Muskan Mustafa
15	Shinde Pallavi Shankar
16	Chavan Gayatri Somnath
17	Mali Avantika Ananad
18	Patil Sakshi Vivek
19	Kakale Nalanda Sunil
20	Wani Janaki Rajendra
21	Pandore Jyoti Sandip
22	Gawali Priyanka Narayan
23	Gaikwad Sakshi Sandip
24	Dube Pratiksha Vitthal
25	Bhalerao Trupti Pramod
26	Ghodage Shubham Gautam
27	Manjare Saish Sunil
28	Gorade Sanket Ashok
29	Pasalkar Swapnil Balasaheb
30	Gorade Rahul Arun

31	Khrat Aniket Sanjay
32	Dahe Yogesh Anil
33	Londhe Rohit Madhukar
34	Chavhan Puja Nanansaheb

Sr. No.	Name of Students	Date													
		14/11	19/11	21/11	28/11	3/12	5/12	10/12	19/12	24/12	26/12	31/12	7/01	14/01	16/01
15	Gorade Sanket Ashok	San	San	San	San	San	San	San	San	Ab	San	San	San	San	San
16	Kakale Nalanda Sunil	Ab	Nal	Ab	Nal	Nal	Nal	Nal	Nal	Nal	Nal	Ab	Nal	Nal	Nal
17	Kalwaghe Sejal Sudhir	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se	Se	Ab	Se	Se
18	Kharat Aniket Sanjay	An	An	An	An	An	An	An	An	An	An	An	An	An	An
19	Londhe Rohit Madhukar	Roh	Roh	Roh	Ab	Roh	Roh	Roh	Roh	Roh	Ab	Roh	Roh	Ab	Roh
20	Mali Avantika Anand	Am	Ab	Am	Am	Am	Am	Ab	Am	Am	Am	Am	Am	Am	Am
21	Manjare Saish Sunil	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm
22	Navale Rutuja Prakash	Np	Np	Np	Np	Ab	Np	Np	Np	Np	Np	Ab	Np	Np	Np
23	Pasalkar Swapnil Balasaheb	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps
24	Patil Sakshi Vivek	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat	Pat
25	Shaikh Ayesha Wasim	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
26	Shaikh Muskan Mustafa	Sm	Sm	Ab	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm	Sm
27	Shinde Pallavi Shankar	Ab	Sh	Sh	Sh	Sh	Ab	Sh	Sh	Ab	Sh	Sh	Sh	Sh	Sh
28	Sonawane Akshada Suresh	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Sw	Ab	Sw	Sw
29	Fatangare Nikita Ravindra	Fn	Fn	Fn	Fn	Ab	Fn	Fn	Ab	Fn	Fn	Fn	Fn	Fn	Ab
30	Mahale Arati Sanjay	Ma	Ma	Ma	Ab	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma
31	Pandore Jyoti Sandip	Pj	Ab	Pj	Pj	Pj	Pj	Pj	Pj	Pj	Ab	Pj	Pj	Ab	Pj
32	Sonawane Sapana Kailas	Sk	Sk	Sk	Sk	Ab	Sk	Ab	Sk	Sk	Sk	Sk	Sk	Sk	Sk

Ms. P. K. Gakkhad

Co-ordinator, Certificate Course



Mr. Y. S. Chaudhari

Head, Department of Microbiology
Head
Department of Microbiology
K. J. Somaiya College, Kopergaon



Kopergaon Taluka Education Society's

K. J. Somaiya College of Arts, Commerce and Science

Mohanirajnagar, Kopergaon, Dist. Ahmednagar 423601, (Maharashtra) India

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Department of Microbiology

Certificate course in Health and Environment Awareness (2022-2023)

Attendance sheet for lectures

Sr. No.	Name of Students	Date														
		21/01	23/01	28/01	30/01	4/02	6/02	11/02	13/02	14/03	6/03	11/03	13/03	18/03	20/03	25/03
1	Abhale Vishakha Keshav	VA	VA	VA	VA	VA	VA	Ab	VA	VA	VA	VA	VA	VA	VA	Ab
2	Achari Ishvari Vikas	Ab	Ishvari	Ishvari	Ishvari	Ishvari	Ishvari	Ishvari	Ishvari	Ab	Ishvari	Ishvari	Ab	Ishvari	Ishvari	Ishvari
3	Aher Snehal Ashok	SA	SA	SA	SA	Ab	SA	SA	SA	SA	Ab	SA	SA	SA	SA	SA
4	Anarthe Vaidehi Amaram	Avaidh	Ab	Avaidh	Avaidh	Avaidh	Avaidh	Avaidh	Avaidh	Avaidh	Avaidh	Avaidh	Avaidh	Ab	Avaidh	Avaidh
5	Bhalerao Trupti Pramod	TP	TP	Ab	TP	TP	Ab	TP	Ab	TP	TP	Ab	TP	TP	TP	TP
6	Borade Rahul Arun	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
7	Chavan Puja Namraheb	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC
8	Chavhan Gayatri Somnath	G	G	G	Ab	G	G	G	G	G	Ab	G	Ab	G	G	G
9	Dahe Yogesh Anil	YA	YA	YA	YA	YA	YA	YA	YA	YA	YA	YA	YA	YA	YA	Ab
10	Dube Pratiksha Vithal	Ab	TP	TP	TP	TP	TP	Ab	TP	TP	TP	TP	TP	TP	TP	TP
11	Gaikwad Sakshi Sandip	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Ab	Sakshi	Ab	Sakshi	Sakshi	Sakshi	Sakshi
12	Gaikwad Sakshi Sanjay	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Ab	Sakshi	Sakshi
13	Gawali Priya Rajendra	GPN	GPN	GPN	GPN	Ab	GPN	GPN	GPN	GPN	GPN	GPN	GPN	GPN	GPN	GPN
14	Godage Shubham Gautam	Shug	Shug	Shug	Shug	Shug	Ab	Shug	Ab	Shug	Ab	Shug	Shug	Shug	Ab	Shug

Sr. No.	Name of Students	Date															
		21/01	23/01	28/01	30/01	4/2	6/2	11/2	13/2	4/3	6/3	11/3	15/3	18/3	20/3	25/3	
15	Gorade Sanket Ashok	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket	Ab	
16	Kakale Nalanda Sunil	Nalanda	Nalanda	Nalanda	Nalanda	Nalanda	Ab	Nalanda	Nalanda	Ab	Nalanda	Nalanda	Nalanda	Nalanda	Nalanda	Nalanda	
17	Kalwaghe Sejal Sudhir	Ab	Sejal	Sejal	Ab	Sejal	Sejal	Sejal	Sejal	Sejal	Sejal	Sejal	Sejal	Sejal	Sejal	Sejal	
18	Kharat Aniket Sanjay	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Aniket	Ab	Aniket	Ab	Aniket	Aniket	
19	Londhe Rohit Madhukar	Rohit	Rohit	Rohit	Rohit	Rohit	Ab	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	
20	Mali Avantika Anand	Am	Ab	Am	Am	Ab	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	
21	Manjare Saish Sunil	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Am	Ab	Am	
22	Navale Rutuja Prakash	NR	NR	NR	NR	NR	NR	NR	NR	NR	Ab	NR	NR	NR	NR	NR	
23	Pasalkar Swapnil Balasaheb	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	
24	Patil Sakshi Vivek	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	
25	Shaikh Ayesha Wasim	Ab	Sham	Sham	Sham	Sham	Sham	Sham	Sham	Sham	Sham	Sham	Sham	Sham	Sham	Sham	
26	Shaikh Muskan Mustafa	Am	Am	Am	Ab	Am	Am	Am	Am	Am	Am	Am	Ab	Am	Am	Am	
27	Shinde Pallavi Shankar	Shinde	Shinde	Shinde	Shinde	Shinde	Ab	Shinde	Shinde	Ab	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	
28	Sonawane Akshada Suresh	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	Ab	
29	Fatangare Nikita Ravindra	FN	FN	Ab	FN	FN	FN	FN	FN	FN	FN	FN	FN	Ab	FN	FN	
30	Mahale Arati Sanjay	MA	MA	MA	MA	Ab	MA	Ab	MA	MA	MA	MA	MA	MA	MA	MA	
31	Pandore Jyoti Sandip	P.J.S	P.J.S	P.J.S	P.J.S	P.J.S	P.J.S	P.J.S	P.J.S	P.J.S	P.J.S	Ab	P.J.S	P.J.S	P.J.S	P.J.S	
32	Sonawane Sapana Kailas	SK	Ab	SK	SK	SK	SK	SK	Ab	SK	Ab	SK	SK	SK	Ab	SK	

Ms. P. K. Gakkhad

Co-ordinator, Certificate Course



Mr. Y. S. Chaudhari

Head, Department of Microbiology

Head
Department of Microbiology
K. J. Somaiya College, Kopergaon



**K.J. SOMAIYA COLLEGE OF ARTS, COMMERCE AND SCIENCE,
KOPARGAON**

FACULTY OF SCIENCE,

Department of Microbiology

Certificate Course in Health and Environment Awareness: 2022-23

Date: 03/04/2023

NOTICE

All **S.Y. B.Sc. Microbiology** students are hereby informed that you're Exam for Certificate Course in Health and Environment Awareness will be held on **08/04/2023** at 10.30 a.m-11.30 a.m in regular class rooms.

Head
Department of Microbiology
K. J. Somaiya College, Kopergaon



Principal
K.J. Somaiya College of Arts
Commerce & Science, Kopergaon



Kopergaon Taluka Education Society's

K. J. Somaiya College of Arts, Commerce and Science, Kopergaon

DEPARTMENT OF MICROBIOLOGY

Certificate Course in Health and Environment Awareness Examination (2022-23)

Attendance

Date:- 8/4/2023

Sr. No.	Roll No.	Name of Students	Signature
1.	11	Abhale Vishakha Keshav	
2.	71	Achari Ishvari Vikas	
3.	37	Aher Snehal Ashok	
4.	21	Anarthe Vaidehi Atmaram	Transfer to Chem. 8 day
5.	155	Bhalerao Trupti Pramod	
6.	161	Borade Rahul Arun	
7.	170	Chavan Puja Nanasaheb	
8.	94	Chavhan Gayatri Somnath	
9.	165	Dahe Yogesh Anil	
10.	148	Dube Pratiksha Vitthal	
11.	25	Fatangare Nikita Ravindra	
12.	147	Gaikwad Sakshi Sandip	
13.	90	Gaikwad Sakshi Sharad	
14.	145	Gawali Priyanka Narayan	
15.	157	Godage Shubham Gautam	
16.	159	Gorade Sanket Ashok	
17.	140	Kakale Nalanda Sunil	
18.	76	Kalwaghe Sejal Sudhir	
19.	162	Kharat Aniket Sanjay	
20.	169	Londhe Rohit Madhukar	

21.	28	Mahale Arati Sanjay	<u>Mahale</u>
22.	111	Mali Avantika Anand	<u>Mali</u>
23.	158	Manjare Saish Sunil	<u>Manjare</u>
24.	22	Navale Rutuja Prakash	Navale
25.	142	Pandore Jyoti Sandip	<u>Pandore J.S.</u>
26.	160	Pasalkar Swapnil Balasaheb	<u>Pasalkar</u>
27.	137	Patil Sakshi Vivek	<u>Patil</u>
28.	73	Shaikh Ayesha Wasim	<u>Shaikh</u>
29.	91	Shaikh Muskan Mustafa	<u>Shaikh M.M.</u>
30.	27	Shete Payal Sharad	<u>Shete</u>
31.	92	Shinde Pallavi Shankar	<u>Shinde</u>
32.	72	Sonawane Akshada Suresh	<u>Sonawane</u>
33.	12	Sonawane Sapana Kailas	<u>Sonawane</u>
34.	141	Wani Janki Rajendra	<u>Wani</u>

Mr. Y. S. Chaudhari

Head Department of Microbiology

Dr. B. S. Yadav

Principal

K.J.Somaiya College of Arts
Commerce & Science, Kopergaon

Head

Department of Microbiology

K. J. Somaiya College of Arts, Commerce & Science, Kopergaon



Kopergaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science, Kopergaon
DEPARTMENT OF MICROBIOLOGY

Certificate Course in Health and Environment Awareness Examination (2022-23)

Date: 8/04/23

Name of Student:

Roll no.:

Class: *S.Y.B.Sc.*

-
- 1) Where was the 2002 world summit on sustainable development held?
a. Dublin b. Doha c. Johannesburg d. Rio de Janeiro
 - 2) Which of the following is an fossil fuel?
a. tar b. coal c. petroleum d. all of the above
 - 3) When was NamamiGange Project launched?
a. 2011 b. 2012 c. 2013 d. 2014
 - 4) The German Green Party contested their first national election in
a. 1980 b. 1970 c. 1972 d. 1960
 - 5) which of the following is not an air pollutant
a. smoke b. carbon dioxide c. nitrogen gas d. sulphur dioxide
 - 6) Ganga Action Plan (G.A.P) was launched in
a. In 1986 b. In 1988 c. In 1990 d. In 1983
 - 7) Basal convention is related to:
a. Transboundary movements of hazardous wastes b. Migrator animals
c. Ozone layer depletion d. Persistent organic pollutants
 - 8) World Water Day celebrated on?
a. March 12 b. March 22 c. March 25 d. March 30
 - 9) Green House Effect refers to?
a. cooling of earth b. trapping of UV rays c. Warming of Earth d. all of the above
 - 10) when did Green Politics start?
a. 1980s b. 1970s c. 1960 d. 1990s
 - 11) Health is not merely the absence of and
a. disease b. Infirmary c. both a and b d. none of the above

12) In which year, U.N conference on human environment was held at Stockholm
a. 1962 b. 1972 c. 1982 d. 1992

13)..... Is an area that acts as a boundary or a transition between two ecosystems.
a. Ecotone b. Ecosphere c. Eco twin d. Eco boundary

14) Which is the first state in India to make roof top Rain Water Harvesting structure compulsory to all the across the state is
a. Tamil Nadu b. Karnataka c. Kerala d. none of these

15) Environmental studies aims at developing
a. understanding local environment/environmental issues
b. understanding global environment/environmental issues
c. to develop positive attitude towards environment
d. all of the above

16) The Headquarters of World Health Organisation (WHO) is located in.....
a. Geneva, Switzerland b. Venice, Italy c. Munich, Germany d. Paris, France

17) The National Rural Health Mission (NRHM) was launched by the Hon'ble Prime Minister on.....
a. 12th April 2005 b. 6th May 2009 c. 9th December 2011 d. 15th March 2020

18) Deforestation generally decreases
a. Rain fall b. Drought c. Global warming d. Soil erosion

19) What is the importance of healthy food?
a. Healthy food are an essential requirement of our body
b. Healthy food will never let you lazy and dull
c. Healthy food comes in natural form, so its is always better to consume organic, raw food
d. All of the above

20) Water scarcity is mainly caused due to
a. Over population b. Low rainfall c. Over-exploitation d. Unequal access

21) Which one of the following cause harm to human health?
a. Use of pesticides b. Organic farming c. Use of solar vehicles d. protecting forests

22) One should avoid the.....food which could not be healthy and can cause side effects
a. Junk food b. Cereal c. both a and b d. Pulses

23) What does the health talk say about hand washing?
a. Washing hands is not good for your health
b. Washing hands can keep you healthy and prevent the spread of respiratory and diarrheal infections
c. Touch your eyes, nose and mouth with unwashed hands
d. Prepare or eat food and drinks with unwashed hands

- 24) Desertification of Cauvery is caused by
a. Deforestation b. Urbanization c. Raising agriculture and industry d. all of the above
- 25) When should I wash my hands?
a. After arriving b. After coughing or blowing your nose
c. Before making or eating food d. All of the above
- 26)ml of blood is taken out from the person during blood donation, according to her weight
a. 300-350 ml b. 350-400 ml c. 350-450 ml d. 300-500 ml
- 27) What are benefits of donating blood?
a. Helping people injured in accidents b. Undergoing cancer treatment
c. Battling blood diseases d. All of the above
- 28) One can maintain his healthy lifestyle using.....
a. Yogasanas b. Pranayama's c. Meditation d. all of the above
- 29) Europe and USA hasmedical facilities, research and proper infrastructure
a. Moderate b. Great c. Poor d. Worst
- 30) Process of burning of Non-biodegradable solid waste is called
a. Composting b. Incinerations c. Segregation d. Sanitary land filling
- 31) The scope of health awareness includes.....prevention and treatment
a. Mitigation b. Promoting health c. to prevent the pandemic d. all of the above
- 32) The Chipko movement was originated in.....district of Uttarakhand
a. Haridwar b. Dehradun c. Champawat d. Chamoli
- 33) Earth's surface is covered with nearly.....of water
a. 70% b. 74% c. 72% d. 73%
- 34) Disposal of any kind of electrical and electronic waste is called
a. Waste b. Domestic waste c. Vegetable waste d. E-waste
- 35) What are benefits of exercising?
a. Improved health, stronger muscles b. Better flexibility, Better appetite
c. Improved quality of life, better social life d. All of the above
- 36) The main purpose of rainwater harvesting is recharge the
a. Gardens b. Wells c. Cannels d. Groundwater table
- 37)..... is a specialized agency of the United Nations responsible for international public health.
a. WHO b. FSSAI c. ROI d. IFSI

38) Biogas is otherwise called as

- a. Vermi gas b. Methane c. Gobar gas d. Global gas

39) India has.....medical facilities, research and proper infrastructure

- a. Moderate b. Great c. Poor d. Good

40) The apex body governing the medical healthcare services across the world is.....

- a. World Bank b. World Health Organisation c. INTERPOL d. World trade organisation

41) Removal of microorganisms from the sewage water is by.....

- a. Aeration b. Pre-screening c. Disinfection d. Sludge removal

42) The term.....refers to unhealthful intake of dietary nutrients

- a. Healthy food b. Foul food c. Malnutrition d. Nutritious food

43) One can donate her blood after.....months of previous blood donation

- a. 1 b. 2 c. 3 d. 4

44)is an elixir of life

- a. Air b. Water c. Food d. all of the above

45) Healthful activities includes.....

- a. Stress b. High risk behaviour c. Adequate sleep d. Smoking

46) According to World Health Organisation (WHO), health includes.....

- a. Physical health b. Mental health c. Social health d. all of the above

47) Soil erosion is caused by

- a. Deforestation b. Farming and Mining c. Overgrazing by cattle d. All of the above

48) Prevention of disease, prompting healthcare and improving medical care comes under.....

- a. Health prediction b. Health awareness c. Scope of health d. Improvisation of world

49) Van Mohotsav includes

- a. Planning and protecting tress b. Destruction of trees should be curtailed
c. Restoration of green cover d. all of the above

50) Hand washing for a period of at least.....seconds is necessary to prevent the spread of disease?

- a. 10 b. 30 c. 20 d. 50

ALL THE BEST



Kopargaon Taluka Education Society's
K. J. Somaiya College of Arts, Commerce and Science



Mohanirajnagar, Kopargaon, Dist. Ahmednagar 423601, (Maharashtra) India
Affiliated to Savitribai Phule Pune University, Pune. (ID No. PU/AN/ASC/07(1964))

Department of Microbiology

Grading System for Certificate Course Health and Environment Awareness 2022-23

Marks (50)	Grade	Remarks
46-50	A+	Excellent
41-45	A	Very Good
36-40	B+	Good
31-35	B	Average
26-30	C+	Pass
21-25	C	Poor
15-20	D	Very Poor

Head

Dept of Microbiology
Department of Microbiology
K. J. Somaiya College, Kopargaon



Principal

Principal

K.J.Somaiya College of Arts
Commerce & Science, Kopargaon



Kopargaon Taluka Education Society's
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Department of Microbiology (2022-23)

Date:12/04/2023

RESULT

Examination in Certificate Course in Health and Environmental Awareness

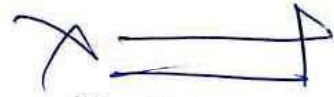
Sr. No.	Name of Student	Grade
1	Abhale Vishakha Keshav	A+
2	Sonawane Sapana Kailas	B
3	Anarthe Vaidehi Atmaram	B
4	Navale Rutuja Prakash	B
5	Fatangare Nikita Ravindra	B
6	Shete Payal Sharad	B+
7	Mahale Aarti Sanjay	A+
8	Aher Snehal Ashok	A
9	Achari Ishwari Vikas	B
10	Sonawane Akshada Suresh	B+
11	Shaikh Ayesha Wasim	A+
12	Kalwaghe Sejal Sudhir	B+
13	Gaikwad Sakshi Sharad	B+
14	Shaikh Muskan Mustafa	B
15	Shinde Pallavi Shankar	A
16	Chavan Gayatri Somnath	A+
17	Mali Avantika Ananad	A
18	Patil Sakshi Vivek	A
19	Kakale Nalanda Sunil	A
20	Wani Janaki Rajendra	A+
21	Pandore Jyoti Sandip	B
22	Gawali Priyanka Narayan	B+
23	Gaikwad Sakshi Sandip	B+
24	Dube Pratiksha Vitthal	A
25	Bhalerao Trupti Pramod	B+
26	Ghodage Shubham Gautam	A
27	Manjare Saish Sunil	A+
28	Gorade Sanket Ashok	A+
29	Pasalkar Swapnil Balasaheb	B+
30	Gorade Rahul Arun	B

31	Khrat Aniket Sanjay	
32	Dahe Yogesh Anil	A+
33	Londhe Rohit Madhukar	B
34	Chavhan Puja Nanansaheb	B+
		B+



Ms. P. K. Gakkhad

Coordinator, Certificate Course



Mr. Y. S. Chaudhari

Head, Department of Microbiology

Head
Department of Microbiology
(K. J. Somaiya College of Engineering, Vashi, Navi Mumbai)

2022 - 2023



Kopargaoon Taluka Education Society's

K.J. Somaiya College of Arts, Commerce and Science, Kopargaoon

(Affiliated to Savitribai Phule Pune University, Pune)

NAAC Re-accredited with "A" Grade An ISO 9001:2015 Certified Institute

Best College Award by S.P. Pune University

Mohanirajnagar, Kopargaoon, Dist. Ahmednagar - 423 601. (Maharashtra) India.

Certificate

This is to certify that Mr./Ms./Mrs. _____

from the class _____ has successfully completed the certificate

course entitled _____

_____ run by

the Department of _____ conducted between

/ /20 & / /20 . He/She has been awarded with _____

grade.

Coordinator

Certificate Course Chairman

Principal