



‘Dissemination of Education for Knowledge, Science and Culture’
-Shikshanmaharshi Dr.Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's



Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Botany

2026-2027

B.Sc.III : “Unit Test”

Organized by
Department of Botany

On

4th August 2026

Unit Test

Department of Botany



Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Botany

B.Sc. III "Unit Test"

4th August, 2026

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Head

Department of Botany
HEAD
Department of Botany
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)



Principal
Principal
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)



"Dissemination of Education for Knowledge, Science and Culture."
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Shri Swami Vivekanand Shikshan Sanstha's.

VIVEKANAND COLLEGE, KOLHAPUR
(AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Botany

Date: 30/07/2026

To,
The Principal,
Vivekanand College,
Kolhapur (An Empowered Autonomous Institute).

Subject: Permission to conduct "Unit Test"....

Respected Sir,

With reference to above subject, Department of Botany is going to organize Unit Test on "Photosynthesis" on 04th August 2026 for B.Sc. III students. This will significantly enhance the understanding and stimulate interest of students in subject matter. Kindly request you to give permission for same.

Thanking you,

21/7/26
30/7/26
30/7/26

Yours Faithfully,

Dr. B. T. Dangat 30/7/26

HEAD
Department of Botany
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)



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VIVEKANAND COLLEGE, KOLHAPUR
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Department of Botany

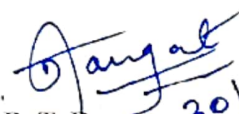
Date: 30/07/2026

NOTICE

All the students of B.Sc. III are hereby informed that, Department of Botany is going to organize Unit Test on topic "Photosynthesis" on Tuesday dated 04th August 2026 at 11:30 am. All students are requested to present for the same. Attendance is mandatory.

Room No: 311

Tutor: Dr. Abhijeet R. Kasarkar


Dr. B. T. Dangat 30/7/26

HEAD
Department of Botany
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)



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Shri Swami Vivekanand Shikshan Sanstha's.

VI / EKANAND COLLEGE, KOLHAPUR
(AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Botany

"Unit Test: I"

Topic: Photosynthesis

Date: 04/08/2026

Question Paper

Marks: 10

Q1. What is photophosphorylation? Describe non-cyclic photophosphorylation with schematic presentation 05 M.

OR

What is dark reaction? Describe C_3 pathway.

Q2. Write short note. (Any Two) 05 M.

- i. Kranz Anatomy
- ii. C_4 pathway
- iii. Site of photosynthesis
- iv. Significance of photosynthesis.



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VIVEKANAND COLLEGE, KOLHAPUR
(AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Botany

Date: 04/08/2026

"Unit Test: I"

Topic: Photosynthesis

Attendance

Sr. No.	Name of the Student	Roll No.	Signature
1.	Sanika M. Ambhi	8324	S.m.Ambhi.
2.	Akanksha S. Kadam.	8325	Akanksha.
3.	Pradnya S. Mohite	8326	Pradnya.
4.	Pradnya V. Parit	8328	Parit.
5.	Vrushali M Patil	8329	Vrushali.
6.	Samruddhi U. Petkar	8330	Samruddhi.



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Shri Swami Vivekanand Shikshan Sanstha's.

VIVEKANAND COLLEGE, KOLHAPUR

(AN EMPOWERED AUTONOMOUS INSTITUTE)

Department of Botany

"Unit Test: I"

Topic: Photosynthesis

Date: 04/08/2026

Marksheet

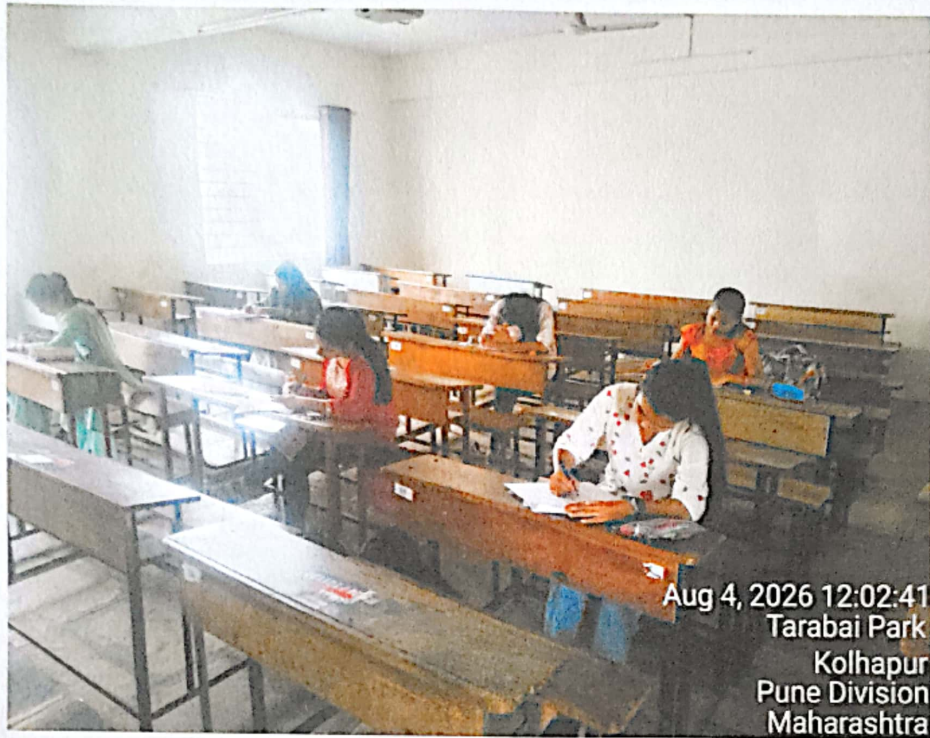
Sr. No.	Roll No.	Marks
1.	8324	09
2.	8325	10
3.	8326	10
4.	8328	10
5.	8329	07
6.	8330	05
7.		

Tutor: - Dr. Abhijeet R. Kasabkar - *Abhijeet R. Kasabkar*
04/08/26



B. Jangate
04.08.26
HEAD
Department of Botany
Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)





**Glimpses of the Unit Test conducted for B.Sc. III Students by the Department of Botany,
Vivekanand College, Kolhapur.**





9934

Signature of Jr. Super.

विवेकानंद कॉलेज, कोल्हापूर. (अधिकारप्रदत्त स्वायत्त)

परीक्षेच्या

या विषयाच्या प्रयोग परीक्षा

Practical Examination in. Unit test -1at the B.S.C. III year

Examination

उमेदवाराचा आसन क्रमांक 8324

विभाग

05704=09

(Candidate's Seat No.)

(Section)

उमेदवारांना सूचना

- प्रश्न काळजीपूर्वक वाचा आणि त्याप्रमाणे विचारलेला प्रयोग करा.
- उपकरणांच्या वापराबाबत तुम्हांला काही माहित नसेल तर परीक्षक किंवा प्रयोगशाळा सहाय्यक यांना तुम्हाला मदत करण्याविषयी विनंती करा.
- कोणतीही विद्युतप्रयोग करण्यापूर्वी, प्रत्यक्ष पुरविलेली सर्व उपकरणे आणि सर्व कनेक्शन नीट पाहून घेऊन संबंधित कामाची नीटनेटकी कार्ययोजना करण्याची नितांत आवश्यकता आहे आणि ह्या नंतर, पुढे काम चालू करण्याविषयी परीक्षकांची परवानगी आवश्यक आहे.
- सर्व निरीक्षणे कोष्टकवजा तक्र्यात भरवावी. मधल्या सर्व गणना आणि निर्णय हे शक्य तितक्या सुवाचपणे आणि स्पष्टपणे नोंदविलेले असणे हे हितावह आहे.
- प्रारंभिक किंवा अंतिम निरीक्षणात संख्यावाचक आकडे एकावर एक लिहू नयेत. जर लिहिलेला कोणताही आकडा नको असेल तर त्यावर एक रेघ ओढून पाहिजे असलेला आकडा त्याचाजवळ लिहा. प्रयोगशाळेतून बाहेर पडण्यापूर्वी आपले टेबल चांगल्या स्थितीत आहे याची खात्री करावी.

INSTRUCTIONS TO CANDIDATES

- Read the question carefully and perform the experiment as required.
- If there be anything the apparatus that you do not know, ask the examiner or the laboratory assistant to help you
- Before doing any electrical experiment, it is absolutely essential that you make a neat working sketch of all apparatus actually provided and of the necessary connection, and obtain the examiner's permission to proceed.
- Express all observations in a tabular form. It is also desirable that all intermediate calculations and results should be entered as neatly and clearly as possible.
- No numerical figures should be written over either in the preliminary or final observations. If any figure is thought to be discarded it should be run through and the desired figure written near to it.
- Please see that your table is in good order before you leave the laboratory.

(येथून लेखनास सुरवात करा.) (Being writing here)

प्र. क्र.
Q. No.

5m

Q. 1. What is Photophosphorylation? Describe non-cyclic photophosphorylation with schematic Representation.

m

08

What is Dark Reaction? describe C₃ pathway

Q. 2. Write short note (Any two) 5m

a) Kranze Anatomy

b) C₄ pathway

c) site of Photosynthesis

d) significance of Photosynthesis

Date - 04/08/2026.



9931

Signature of Jr. Super.

विवेकानंद कॉलेज, कोल्हापूर. (अधिकारप्रदत्त स्वायत्त)

परीक्षेच्या

या विषयाच्या प्रयोग परीक्षा

Practical Examination in.

Unit Test - I

at the B.Sc. - III

Examination

उमेदवाराचा आसन क्रमांक

विभाग

05 Feb 10

(Candidate's Seat No.)

8325

(Section)

Hasan

उमेदवारांना सूचना

- प्रश्न काळजीपूर्वक वाचा आणि त्याप्रमाणे विचारलेला प्रयोग करा.
- उपकरणांच्या वापराबाबत तुम्हांला काही माहित नसेल तर परीक्षक किंवा प्रयोगशाळा सहाय्यक यांना तुम्हांला मदत करण्याविषयी विनंती करा.
- कोणतीही विद्युतप्रयोग करण्यापूर्वी, प्रत्यक्ष पुरविलेली सर्व उपकरणे आणि सर्व कनेक्शन नीट पाहून घेऊन संबंधित कामाची नीटनेटकी कार्ययोजना करण्याची नितांत आवश्यकता आहे आणि ह्या नंतर, पुढे काम चालू करण्याविषयी परीक्षकांची परवानगी आवश्यक आहे.
- सर्व निरीक्षणे कोष्टकवजा तक्र्यात भरावी. मधल्या सर्व गणना आणि निर्णय हे शक्य तितक्या सुवाचपणे आणि स्पष्टपणे नोंदविलेले असणे हे हितावह आहे.
- प्रारंभिक किंवा अंतिम निरीक्षणात संख्यावाचक आकडे एकावर एक लिहू नयेत. जर लिहिलेला कोणताही आकडा नको असेल तर त्यावर एक रेघ ओढून पाहिजे असलेला आकडा त्याचाजवळ लिहा. प्रयोगशाळेतून बाहेर पडण्यापूर्वी आपले टेबल चांगल्या स्थितीत आहे याची खात्री करावी.

INSTRUCTIONS TO CANDIDATES

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(येथून लेखनास सुरवात करा.) (Being writing here)

प्र. क्र.
Q. No.

- Q. 1 What is photophosphorylation? describe non-cyclic photophosphorylation with schematic representation OR What is dark reaction? Describe C₃ pathway?
- Q. 2 Write short note (2) ...
- A] Kidney anatomy B] C₄ pathway.
- C] Site of photosynthesis D] Significance of photosynthesis.



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04-08-26

9932

Signature of Jr. Super.

विवेकानंद कॉलेज, कोल्हापूर. (अधिकारप्रदत्त स्वायत्त)

परीक्षेच्या

या विषयाच्या प्रयोग परीक्षा

Practical Examination in. Unit test-1at the BSC - III

Examination

उमेदवाराचा आसन क्रमांक

विभाग

02/03-05

(Candidate's Seat No.) 8330

(Section)

Section 100

उमेदवारांना सूचना

- प्रश्न काळजीपूर्वक वाचा आणि त्याप्रमाणे विचारलेला प्रयोग करा.
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(येथून लेखनास सुरवात करा.) (Being writing here)

प्र. क्र. Q. No.	
Q1	What is photophosphorylation describe non cyclic photophosphorylation with schematic representation
Q2	What is dark reaction describe C3 pathway
A2	Write short note any two
A	Kranz anatomy
B1	C4 pathway
G	site of photosynthesis
	significance of photosynthesis



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