

**Kadi Sarva Vishwavidyalaya, Gandhinagar**  
**FACULTY OF SCIENCE**  
**Exam Pattern For Semester End Evaluation**  
**(All B.Sc Programme, As per NEP 2020)**

**Major Course- Credit 4**

**(Theory) :SEMESTER END EVALUATION (SEE)-50 Marks**

**Exam Duration 2.5 Hrs**

**Kadi Sarva Vishwavidyalaya, Gandhinagar**  
**Semester End Evaluation (SEE)**  
**Major Course Theory Examination**

**B.Sc Semester-I/II/III/IV/V/VI/VII/VIII Examination, Month– Year**

<b>Course Code</b>	<b>:</b>		<b>Course Title</b>	<b>:</b>	
<b>Date</b>	<b>:</b>		<b>Time</b>	<b>:</b>	
<b>Total Marks</b>	<b>:</b>	<b>50</b>	<b>Duration</b>	<b>:</b>	<b>2.5 Hours</b>

**Q-1 from Unit-1**

Answer any 2 questions out of 3. Each question carries 5 marks.

**[5X2=10 Marks]**

**Q-2 from Unit-2**

Answer any 2 questions out of 3. Each question carries 5 marks.

**[5X2=10 Marks]**

**Q-3 from Unit-3**

Answer any 2 questions out of 3. Each question carries 5 marks.

**[5X2=10 Marks]**

**Q-4 from Unit-4**

Answer any 2 questions out of 3. Each question carries 5 marks.

**[5X2=10 Marks]**

**Q-5 from all Unit**

10 MCQ ( Attend any 10 out of 12)( 3 MCQ from each Unit) Each Question carries 1 Mark.

**[1X10=10 Marks]**

**Minor/Multidisciplinary**

**(Theory) :SEMESTER END EVALUATION (SEE)-25Marks**

**Exam Duration 2.0 Hrs**

**Kadi Sarva Vishwavidyalaya, Gandhinagar  
Semester End Evaluation (SEE)**

**Minor/Multidisciplinary Course Theory Examination**

**B.Sc Semester-I/II/III/IV/V/VI/VII/VIII Examination, Month– Year**

<b>Course Code</b>	<b>:</b>		<b>Course Title</b>	<b>:</b>	
<b>Date</b>	<b>:</b>		<b>Time</b>	<b>:</b>	
<b>Total Marks</b>	<b>:</b>	<b>25</b>	<b>Duration</b>	<b>:</b>	<b>02 Hours</b>

**Q-1 from Unit-1**

Answer any 2 questions out of 3. Each question carries 5 marks.

**[5X2=10 Marks]**

**Q-2 from Unit-2**

Answer any 2 questions out of 3. Each question carries 5 marks.

**[5X2=10 Marks]**

**Q-3 from all Unit**

5 MCQ (Attend any 5 out of 6) 3MCQ from each Unit. Each Question carries 1 Mark.

**[1X5=05 Marks]**

**Kadi Sarva Vishwavidyalaya, Gandhinagar**  
**FACULTY OF SCIENCE**  
**Evaluation Pattern For Semester End Evaluation**  
**(All B.Sc Programme, As per NEP 2020)**

**SEC Course – 2 Credit**

**(Theory) :SEMESTER END EVALUATION (SEE)-25Marks**

**Exam Duration 2.0 Hrs**

**Kadi Sarva Vishwavidyalaya, Gandhinagar**  
**Semester End Evaluation (SEE)**

**Skill Enhancement Course Examination**

**B.Sc Semester-I/II/III/IV/V Examination, Month– Year**

<b>Course Code</b>	<b>:</b>		<b>Course Title</b>	<b>:</b>	
<b>Date</b>	<b>:</b>		<b>Time</b>	<b>:</b>	
<b>Total Marks</b>	<b>:</b>	<b>25</b>	<b>Duration</b>	<b>:</b>	<b>02 Hours</b>

**Q-1 from Unit-1**

Answer any 2 questions out of 3. Each question carries 5 marks.

**[5X2=10 Marks]**

**Q-2 from Unit-2**

Answer any 2 questions out of 3. Each question carries 5 marks.

**[5X2=10 Marks]**

**Q-3 from all Unit**

5 MCQ ( Attend any 5 out of 6) 3MCQ from each Unit. Each Question carries 1 Mark.

**[1X5=05 Marks]**

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## KADI SARVAVISHWAVIDYALAYA, GANDHINAGAR

SEMESTER END EXAMINATION PAPER STYLE FOR VAC / IKS THEORY SUBJECT

Offered Courses : BBA / BCA / B.Com / B.Sc CS / B.Sc All

Courses with 2 Credits Theory only


**W.E.F : Summer 2026 Examination Onwards**

21/02/2026

**VAC / IKS (2 Credit) : 25M Semester End Examinations (Theory)**

- 2 Credit Theory
- 25M SEE (Duration 2.0 Hrs)


<b>Semester End Evaluation (SEE) -25 M</b>	
<b>Q-1 from Unit-1</b> Answer any 2 questions out of 3. Each question carries 5 marks (5X2=10 Marks)	<b>10M</b>
<b>Q-2 from Unit-2</b> Answer any 2 questions out of 3. Each question carries 5 marks (5X2=10 Marks)	<b>10M</b>
<b>Q-3 from all Unit</b> 5 MCQ ( Attend any 5 out of 6) 3MCQ from each Unit	<b>5M</b>
<b>Total:</b>	<b>25 M</b>

  
Dr. Ramkanta Prusty

  
Dr. Vigna Oza

  
Dr. Rupesh Vyas

  
Dr. Minal Trivedi

  
Dr. Keyur Shah

**KadiSarvaVishwavidyalaya, Gandhinagar**  
**Proposed Evaluation Pattern for Science Discipline (All B.Sc Programme)**  
**B.Sc. Semester 2 (as per NEP 2020)**

**Subject : AEC204-1C Communication Skills**

**Ability Enhancement Course - AEC : 25 Marks Semester End Examination (SEE) – Theory**

<b>Ability Enhancement Course - AEC (Theory)</b>		
<b>AEC - Semester End Evaluation (SEE) -SEE (25 Marks) Duration : 02 Hrs</b>		
Q-1 ( A) or Q : 1 (A)	- 05 Marks	<b>10M</b>
Q-1 ( B) or Q : 1 (B)	- 05 Marks	
Q- 2 ( A) or Q : 2 (A)	- 05 Marks	<b>10M</b>
Q- 2 ( B) : or Q : 2 (B)	- 05 Marks	
Q-3 from all Unit		<b>5M</b>
One liner/ TF/blanks/one-word etc- (all questions compulsory) 05 marks		
<b>Total:</b>		<b>25 M</b>



# KADI SARVA VISHWAVIDYALAYA

## B.Sc. Microbiology Semester- II Major Course MBM 210-1C: Microbial Growth and Control of Microorganisms

### Practical Examination Skeleton (1 Day Examination)

**Time Duration: 5 Hrs.**

**Total Marks: 50**

- EX 1 Write the Principle, Working and use of Instrument in Microbiology Laboratory. 5 M**
- Microscope
  - Autoclave
  - Hot Air oven
  - Incubator
  - Centrifuge
  - pH meter
  - Colorimeter
- EX 2 Write principle, requirement and procedure of given exercise and perform it. 10 M**
- Isolation of bacteria by Streak/Spread plate method
  - Study the effect of Antibiotic on microbial Growth
  - Study the effect of heavy metal on microbial Growth
  - Study the effect of chemicals on microbial Growth
- EX 3 Write principle, requirement and procedure of given exercise and perform it. 10 M**
- Study the effect of pH on microbial Growth
  - Study the effect of temperature on microbial Growth
  - Study the effect of salt concentration on microbial Growth
  - Study the effect of U.V. light on microbial Growth
  - Measurement of microbial growth by Plate method
- EX 4 Write principle, requirement and procedure for the experiment. 5 M**
- Safety precautions to work in Microbiology Laboratory.
  - Cultivation Technique-Broth culture and Agar Slope
  - Enrichment of bacteria by Batch culture
  - Preservation of Bacterial/ Fungal culture by Slant / Soil/Mineral oil
  - To study Growth curve of *E. coli*
  - Use of Selective, Differential and Enriched medium.
- EX 5 Spotting 10 M**
- EX 6 Viva 5 M**
- EX 7 Journal and Slide Box 5 M**

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# KADI SARVA VISHWAVIDYALAYA

## Spotting Questions

- Spot-1: Identify the given Specimen and give its use.  
Spot-2: Definition  
Spot-3: Give the use of Chemical /Dye in laboratory.  
Spot-4: Give the use of Reagent in laboratory.  
Spot-5: Identify the Glassware/ Plastic ware/ Part of instrument and give its use.  
Spot-6: Fill in the blank /Question.  
Spot-7: Give the Principle of \_\_\_\_\_ Instrument.  
Spot-8: How will you sterilize the specimen?  
Spot-9: Give two examples of \_\_\_\_\_ Microorganisms.  
Spot 10: Give Contribution of Scientist.

Note: Certified practical journal is compulsory for practical exam.



# KADI SARVA VISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya, Gandhinagar  
Proposed Practical Evaluation Pattern for Science Discipline (All B.Sc Programme)  
B.Sc. Semester 1 & 2 (as per NEP 2020)

## Skeleton for Chemistry Practical

### Major (Practical): Credit: 4

- 50M SEE (Practical Exam for End Semester) 5 Hrs. Practical Examination

Practical-1 (Volumetric titration/ Physical) (15M Performance of Practical + 5M Writing section)	20M
Practical-2 (Inorganic Salt analysis/ Organic Estimation) (15M Performance of Practical + 5M Writing section)	20M
Journal (05 marks) and Viva-Voice (05 marks)	10M
Total:	50 M

### Minor/Multidisciplinary(Practical): Credit:2

- 25M SEE (Practical Exam for End Semester) 2.5 Hrs. Practical Examination

Practical (Volumetric titration/Organic Estimation / Calibration of Laboratory glassware) (10 M Performance of Practical + 5M Writing section)	15M
Journal	5M
Viva-Voice	5M
Total:	25 M

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# KADI SARVA VISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya, Gandhinagar  
Proposed Practical Evaluation Pattern for Science Discipline (All B.Sc. Programme)  
B.Sc. Semester 1 & Semester-2 (as per NEP 2020)  
Skeleton for Physics Practical

## Major: (Practical) Credit: 4

### • 50Marks SEE (Practical Exam for End Semester) 5 Hrs. Practical Examination

<b>Practical-1:</b> <ul style="list-style-type: none"><li>• Performance of Practical: 10 Marks</li><li>• Writing Section of Practical: 05 Marks (Aim &amp; Apparatus, Figure/Circuit Diagram, Observations &amp; Observation Table, Calculations/Plots, Results/Conclusion)</li><li>• Viva: 05 Marks</li></ul>	<b>20Marks</b>
<b>Practical-2:</b> <ul style="list-style-type: none"><li>• Performance of Practical: 10 Marks</li><li>• Writing Section of Practical: 05 Marks (Aim &amp; Apparatus, Figure/Circuit Diagram, Observations &amp; Observation Table, Calculations/Plots, Results/Conclusion)</li><li>• Viva: 05 Marks</li></ul>	<b>20 Marks</b>
Record Book /Journal	<b>10 Marks</b>
<b>Total:</b>	<b>50 Marks</b>

Note: Certified practical journal is compulsory for practical exam

## Minor/Multidisciplinary: (Practical) Credit: 2

### • 25Marks SEE (Practical Exam for End Semester) 2.5 Hrs. Practical Examination

<b>Practical-1:</b> <ul style="list-style-type: none"><li>• Performance of Practical: 10 Marks</li><li>• Writing Section of Practical: 05 Marks (Aim &amp; Apparatus, Figure/Circuit Diagram, Observations &amp; Observation Table, Calculations/Plots, Results/Conclusion)</li><li>• Viva: 05 Marks</li></ul>	<b>20 Marks</b>
Record Book /Journal	<b>05 Marks</b>
<b>Total:</b>	<b>25 Marks</b>

Note: Certified practical journal is compulsory for practical exam



# KADI SARVA VISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya, Gandhinagar

Skeleton for B.Sc. Mathematics Practical Exam

B.Sc. Semester 1 & 2 (as per NEP 2020)

**Major (Practical):**

- 50 Marks SEE (Practical Exam for End Semester) 5 Hrs. Practical Examination

Description	Marks
Writing and performance	30 Marks
Viva	10 Marks
Journal	10 Marks
Total:	50 Marks

**For writing and performance:**

2 Practicals of 6 marks will be asked out of which student have to perform 1 practical.

7 Practicals of 4 marks will be asked out of which students have to perform 6 Practicals

Kadi Sarva Vishwavidyalaya, Gandhinagar

Skeleton for B.Sc. Mathematics Practical Exam

B.Sc. Semester 1 & 2 (as per NEP 2020)

**Minor/Multidisciplinary:**

- 25 Marks SEE (Practical Exam for End Semester) 2.5 Hrs. Practical Examination

Description	Marks
Writing and performance	15 Marks
Viva	5 Marks
Journal	5 Marks
Total:	25 Marks

**For writing and performance:**

7 Practicals of 3 marks will be asked out of which students have to perform 5 practicals.

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# KADISARVAVISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya

Proposed Practical Evaluation Pattern for Science Discipline (All B.Sc. Programme)

Practical Examination Skeleton for Semester II

Minor (Practical) BTE209-1C Basics of Botany Practical

**Credit: 2**

- 25M SEE (Practical Exam for End Semester)
- 2.5 Hours Practical Examination Duration

Experiment 1	15 M
Performance of Experiment 10	
Writing Section of Experiment 05	
Certified Journal (05 marks) and Viva (05 marks)	10 M
Total marks	25 M

**Multi-Disciplinary Course (Practical) MDC217-1C Fundamentals of Botany II**

**Credit: 2**

- 25M SEE (Practical Exam for End Semester)
- 2.5 Hours Practical Examination Duration

Experiment 1	15 M
Performance of Experiment 10	
Writing Section of Experiment 05	
Certified Journal (05 marks) and Viva (05 marks)	10 M
Total marks	25 M



# KADI SARVA VISHWAVIDYALAYA

## B.Sc. Microbiology Semester II Minor Course MBE206-1C: Fundamentals of Microbial Physiology (Practical)

### Practical Examination Skeleton (1 Day Examination)

**Time Duration: 2.5 Hrs**

**Total Marks: 25**

- EX 1 Write principle, requirement and procedure of given exercise and perform it. 10 M**
- Isolation of bacteria by Streak/Spread plate method.
  - Study the effect of pH on microbial Growth.
  - Study the effect of temperature on microbial Growth.
  - Study the effect of Osmotic Pressure on microbial Growth.
- EX 2 Write principle, requirement and procedure for the experiment. 5 M**
- Safety precautions to work in Microbiology Laboratory.
  - Cultivation Technique-Broth culture and Agar Slope
  - To study Growth curve of *E. coli*
- EX 3 Viva 5 M**
- EX 4 Journal and Slide Box 5 M**



# KADI SARVA VISHWAVIDYALAYA

## B.Sc. Microbiology Semester II Multidisciplinary Course MDC216-1C: Microbial Growth and its Control (Practical)

### Practical Examination Skeleton (1 Day Examination)

**Time Duration: 2.5 Hrs**

**Total Marks: 25**

- EX 1 Write principle, requirement and procedure of given exercise and perform it.** 10 M
- Isolation of bacteria by Streak/Spread plate method.
  - Study the effect of pH on microbial Growth.
  - Study the effect of temperature on microbial Growth.
  - Study the effect of Osmotic Pressure on microbial Growth.
- EX 2 Write principle, requirement and procedure for the experiment.** 5 M
- Safety precautions to work in Microbiology Laboratory.
  - Cultivation Technique-Broth culture and Agar Slope
  - To study Growth curve of *E. coli*
- EX 3 Viva** 5 M
- EX 4 Journal and Slide Box** 5 M

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