

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

Course Code	:		Course Title	:	
Date	:		Time	:	
Total Marks	:	50	Duration	:	2.5 Hours

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

Course Code	:		Course Title	:	
Date	:		Time	:	
Total Marks	:	25	Duration	:	02 Hours

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

Course Code	:		Course Title	:	
Date	:		Time	:	
Total Marks	:	25	Duration	:	02 Hours

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]

R 21/26
Oza

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)


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


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 4 (as per NEP 2020)

Subject : AEC213-2C Personality Development

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

Ability Enhancement Course - AEC (Theory)		
AEC - Semester End Evaluation (SEE) -SEE (25 Marks) Duration : 02 Hrs		
Q : 1	(A) Unit – 1 OR (A) Unit – 1	05 Marks
	(B) Unit – 2 OR (B) Unit - 2	05 Marks
Q : 2	(A) Unit – 3 OR (A) Unit – 3	05 Marks
	(B) Unit – 2 (2 Marks) and Unit – 3 (3 Marks) OR (B) Unit – 2 (2 Marks) and Unit – 3 (3 Marks)	05 Marks
Q : 3	One liner/ TF/blanks/one-word etc- (All questions compulsory) Unit – 1 (2 Marks), Unit – 2 (1 Marks) and Unit 3 (2 Marks)	05 Marks
	Total	25 Marks



KADI SARVA VISHWAVIDYALAYA

Microbiology Semester IV Major Course MBM235-2C: Microbiology Practical IV

Practical Examination Skeleton (2 Days Examination)

Time: 2.5 Hrs each day

Total Marks: 50 M

Day 1

EX 1 Write the Principle, Requirement and Procedure for the given experiment and perform. 15 M

- To estimate amylase activity.
- To study effect of pH on amylase activity.
- To study effect of temperature on amylase activity.
- To study effect of substrate concentration on amylase activity.
- To study effect of enzyme concentration on amylase activity.

EX 2 Write the Principle, Requirement and Procedure for the given experiment and perform. 15 M

- To perform the various carbohydrate metabolism test.
- To perform the various nitrogen utilization test.
- To Perform the various enzyme detection test.
- Isolation of antibiotic resistant mutants by gradient plate technique.
- Isolation of streptomycin resistant mutant by replica plate method.
- To study UV survival in *E.coli*.
- To isolate UV induced *lac* Mutants.
- To Isolate pigment mutants of *Serratia* sp.

Day 2

EX 3 Write the Principle, Requirement and Procedure for the given experiment. 5 M

- To isolate bacterial Genomic DNA.
- To isolate fungal Genomic DNA.

EX 4 Spotting 5 M

EX 5 Viva 5 M

EX 6 Journal 5 M

Handwritten signature



KADI SARVA VISHWAVIDYALAYA

Microbiology Semester IV Minor Course MBE221-2C Analytical techniques in Microbiology I (Practical)

Practical Examination Skeleton (1Day Examination)

Time: 2.5 Hrs

Total Marks: 25 M

- EX 1 Write the Principle, Requirement and Procedure for the given experiment and perform. 10 M**
- Determination of λ (Absorption Maxima -wavelength selection)
 - Quantitative estimation of DNA by DPA method.
 - Quantitative estimation of RNA by Orcinol method.
- EX 2 Write the Principle, Requirement and Procedure for the given experiment. 5 M**
- Isolation and Detection of Mitochondria from Leaves.
 - Isolation and Detection of Chloroplast from Leaves.
 - Estimation of Potassium by Flame Photometry.
- EX 3 Viva 5 M**
- EX 4 Journal 5 M**

Handwritten signature



KADI SARVA VISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya, Gandhinagar

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

B.Sc. Semester 4 (as per NEP 2020)

Skeleton for Chemistry Practical

Major (Practical): Chemistry Practicals-IV

Credit: 4

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

Practical-1 (Single step Organic preparation OR Separation of Organic mixture) (15M Performance of Practical + 5M Writing section)	20M
Practical-2 (Physical Practical (Any 1)) (15M Performance of Practical + 5M Writing section)	20M
Journal (05 marks) and Viva (05 marks)	10M
Total:	50 M

Minor (Practical): Chemistry in Daily Life: Agriculture Chemistry

Credit: 2

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

Practical-1 (<u>Do any 1 out of 8</u>) (10M Performance of Practical + 5M Writing section) 1. To determine bulk density of different samples of soil. 2. To determine moisture of different samples of soil. 3. To determine water holding capacity of different samples of soil. 4. To determine humus analysis of different samples of soil. 5. To determine Ca^{+2} and Mg^{+2} amount in the soil samples. 6. Colorimetric analysis of N, P, K in the given soil sample. 7. To determine conductance of different samples of soil. 8. To determine conductance chloride ion of different samples of soil. (by AgNO_3 -Mohr's method)	15M
Journal (05 marks) and Viva (05 marks)	10 M
Total:	25 M

Handwritten signature



KADI SARVA VISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya, Gandhinagar

Skeleton for B.Sc. Mathematics Practical Exam

B.Sc. Semester 3 & 4 (as per NEP 2020)

Major (Practical):

- 50Marks 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 3 & 4 (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.