

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]

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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)

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 1 (as per NEP 2020)

Subject : AEC203-1C Foundation course in English Language

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) or Q : 1 (A)	- 05 Marks	<u>10M</u>
Q-1 (B) or Q : 1 (B)	- 05 Marks	
Q- 2 (A) or Q : 2 (A)	- 05 Marks	<u>10M</u>
Q- 2 (B) : Attempt 5 out of 6	- 05 Marks	
Q-3 from all Unit One liner/ TF/blanks/one-word etc- (all questions compulsory) 05 marks		<u>5M</u>
	Total:	25 M



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Microbiology Semester I Major Course MBM 202-1C: Fundamentals of Microbiology Laboratory

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**
- a) Microscope
 - b) Autoclave
 - c) Hot Air oven
 - d) Incubator
 - e) Centrifuge
 - f) pH meter
 - g) Colorimeter
- EX 2 Write the Principle, Requirement and Procedure for the given staining and perform it. 15 M**
- a) Monochrome Staining
 - b) Negative Staining
 - c) Gram's Staining
 - d) Endospore Staining
 - e) Capsule staining
 - f) Metachromatic granule staining
 - g) Cell wall staining
 - h) Spirochete Staining-Fontana's Method
- EX 3 Write Principle, Requirements and Procedure for any one 10 M**
- a) Study of Bacterial Motility by hanging drop technique.
 - b) Measurement of microbial size by Micrometry.
 - c) Study of Yeast/ Microbial Cell Counting.
- EX 4 Spotting 10 M**
- EX 5 Viva 5 M**
- EX 6 Journal and Slide Box 5 M**



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Spotting Questions

Spot-1: Identify the slide/specimen.

Spot-2: Give composition and use of media.

Spot-3: Give the use of Chemical in Microbiology lab.

Spot-4: Give the use of Dye/ Reagent in Microbiology lab.

Spot-5: Identify the Glassware/ Plasticware/ Part of the instrument and give its use.

Spot-6: Definition/ Fill in the blank /Question/ Calculation.

Spot-7: Give the Principle of _____ instrument.

Spot-8: Give the example of two Gram positive/ Gram negative/ Capsulated/ Granule forming/Sporulated microorganisms.

Spot-9: How will you sterilize the specimen?

Spot-10: Give the contribution of Scientists.

Note: Certified practical journal is compulsory for practical exam.



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B.Sc. Microbiology Semester I Minor Course MBE201-1C: Basics of Microbiology (Practical)

Practical Examination Skeleton (1 Day Examination)

Time Duration: 2.5 Hrs

Total Marks: 25

- EX 1 Write the Principle, Requirement and Procedure for the given staining and Perform it. 10 M**
- Monochrome staining
 - Negative staining
 - Gram's staining
- EX 2 Write the Principle, Working and use of Instrument or Principle, Requirements and Procedure for any one. 5 M**
- Light Microscope/ Biological safety cabinets
 - Autoclave/Hot Air oven/Incubator
 - Centrifuge/pH meter/Colony Counter
 - Study of different shapes of bacteria using permanent slides.
 - Preparation of standard solutions: any one sum from Molal, Molar or Normal solutions
- EX 3 Viva 5 M**
- EX 4 Journal and Slide Box 5 M**

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B.Sc. Microbiology Semester I Multidisciplinary Course MDC211-1C: Introduction to Microbial World (Practical)

Practical Examination Skeleton (1 Day Examination)

Time Duration: 2.5 Hrs

Total Marks: 25

- EX 1** Write the principle, working and use of instrument or principle, requirements and procedure for any one 5 M
- a) Light Microscope/ Biological safety cabinets
 - b) Autoclave/Hot Air oven/Incubator
 - c) Centrifuge/pH meter/Colony Counter
 - d) Study of different shapes of bacteria using permanent slides.
 - e) Preparation of standard solutions: any one sum from Molal, Molar or Normal solutions
- EX 2** Write the Principle, Requirement and Procedure for the given staining and perform it. 10 M
- a) Monochrome Staining
 - b) Negative Staining
 - c) Gram's Staining
- EX 3** Viva 5 M
- EX 4** Journal and Slide Box 5 M

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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

Dr. Patel



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Kadi Sarva Vishwavidyalaya

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

Practical Examination Skeleton for Semester I

Minor (Practical) BTE204-1C 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) MDC212-1C Fundamentals of Botany I

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



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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

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

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

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

Note: Certified practical journal is compulsory for practical exam

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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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