

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]

KadiSarvaVishwavidyalaya, Gandhinagar
Proposed Evaluation Pattern for Science Discipline (All B.Sc Programme)
B.Sc. Semester 6 (as per NEP 2020)

Subject : AEC301-3C Communication and Soft Skills for Professional Success

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 – 1 OR (A) Unit – 1	05 Marks
	(B) Unit – 3 OR (B) Unit – 3	05 Marks
Q : 3	One liner/ TF/blanks/one-word etc- (All questions compulsory) Unit – 1 (1 Mark), Unit – 2 (2 Marks) and Unit 3 (2 Marks)	05 Marks
	Total	25 Marks



KADI SARVA VISHWAVIDYALAYA

Microbiology Semester VI Major Course MBM315-3C – Microbiology Practical VI Practical Examination Skeleton (3 Days Examination)

TIME: 2.5 Hrs each day

TOTAL MARKS: 50

Day-1

EX 1 Write the Principle, Requirement and Procedure for the given experiment and perform. 10 M

1. Isolation and identification of Gram negative organisms

- Salmonella typhi*, *Salmonella paratyphi A* and *Salmonella Paratyphi B*
- Pseudomonas spp.*
- Proteus spp.*
- E.coli*
- Enterobacterspp.*

2. Isolation and identification of Gram Positive bacteria

- Staphylococcus aureus*
- Bacillus spp.*

EX 2 Write the Principle, Requirement and Procedure for the given experiment and perform. 10 M

- Isolation of Yeast from Soil.
- Isolation and identification of Fungi belongs to division Zygomycotina (*Mucor sp.*, *Rhizopus sp.*) from Soil.
- Isolation and identification of Fungi belongs to division Ascomycotina (*Aspergillus sp.*, *Penicillium sp.*, *Fusarium sp.*) from soil.
- Isolation and identification of Fungi belongs to division Ascomycotina: *Alternaria sp.*, *Curvularia sp.*) from soil
- Isolation of Actinomycetes from soil.
- Antibiotic sensitivity of fungi by disc diffusion/ Cup Borer Method.
- Total Viable count of Garden soil/Desert soil/Coastal Soil.

Day-2

Ex-3 Write the Principle, Requirement and Procedure for the given experiment and perform. 10 M

- Antibiotic sensitivity of Gram negative bacteria by disc diffusion/ Cup Borer Method.
- Antibiotic sensitivity of Gram positive bacteria by disc diffusion/ Cup Borer Method.
- Study of skin flora.
- Study of Air Flora.
- Chemical examination of urine: Heat and acetic acid test for Proteins, Benedict's qualitative test for Glucose, Rothera's test for Ketone Bodies, Hay's surface tension test for Bile Salts, Phenolphthalein Test for Blood.
- Acid Fast Staining for detection of *Mycobacterium* species responsible for tuberculosis.

EX 4 Spotting

05 M



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Day-3

EX 7 Write the Principle, Requirement and Procedure for the given experiment. 05 M

1. Study of Winogradsky Column.
2. Study of Mycorrhiza and lichens through permanent slides.
3. Isolation and study of Rhizospheric bacteria.
4. Physical examination of urine: Color, Appearance, Odor, Specific Gravity, pH.
5. Quantitative WIDAL tube test.
6. Serologic tests for detection of viral hepatitis.

EX 8 Viva

05 M

EX 9 Journal and Slide Box

05 M



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Microbiology Semester VI Minor Course
MBE311-3C- Applied Microbiology
Practical Examination Skeleton (1 Day Examination)

TIME: 2.5 Hours

TOTAL MARKS: 25

EX 1 Write the Principle, Requirement and Procedure for the given experiment and perform. 10 M

1. Isolation of symbiotic nitrogen fixing Bacteria (*Rhizobium*) from Root nodule.
2. Isolation of Non symbiotic nitrogen fixing Bacteria from soil rhizosphere.
3. Isolation and study of Phosphate Solubilizing Bacteria.
4. Isolation and study of Potassium Solubilizing Bacteria.
5. Isolation and study of EPS producing Bacteria.
6. Extraction and Quantification of EPS.

EX 2 Write the Principle, Requirement and Procedure for the given experiment. 05 M

1. To study Immobilization of enzymes and cells.
2. To isolate Pesticide degrading microorganisms.
3. Isolation and study of PHB producing Bacteria.

EX 3 Viva 05 M

EX 4 Journal and Slide Box 05 M



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Kadi Sarva Vishwavidyalaya, Gandhinagar

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

B.Sc. Semester 6 (as per NEP 2020)

Skeleton for Chemistry Practical

Major (Practical): Practical Examination for two days (~~5 Hrs.~~) Credit: 4

- 50M SEE (Practical Exam for End Semester) *2.5 Hrs each day*

Practical-1(Organic Practical) Qualitative Analysis, Synthesis, Chromatography (15M Performance of Practical + 5M Writing section)	20M
Practical-2(Physical Practical) (15M Performance of Practical + 5M Writing section)	20M
Journal(05marks) and Viva (05marks)	10M
Total:	50M

Minor (Practical): Credit:2

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

Practical-1 (10M Performance of Practical + 5M Writing section)	15M
Journal (05marks) and Viva (05 marks)	10M
Total:	25M

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KADI SARVA VISHWAVIDYALAYA

Kadi Sarva Vishwavidyalaya, Gandhinagar

Skeleton for B.Sc. Mathematics Practical Exam

B.Sc. Semester 5 & 6 (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 5 & 6 (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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Kadi Sarva Vishwavidyalaya, Gandhinagar
Proposed Practical Evaluation Pattern for Science Discipline (All B.Sc. Programme)
B.Sc. Semester 6 (as per NEP 2020)

Skeleton for Physics Practical

Major (Practical): Practical Examination for two days (5+5 Hrs.)

Credit: 4

- 50M SEE (Practical Exam for End Semester)

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	20M
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	20M
Journal /Record Book	10M
Total:	50 M

Minor (Practical):

Credit:2

- 25M 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 M
Journal /Record Book	05 M
Total:	25 M

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**Kadi Sarva Vishwavidyalaya, Gandhinagar
Format for Evaluation of Internship**

Faculty of Science, Commerce, Management and Computer Science

**Evaluation Stage: Continuous and Comprehensive Evaluation
(CCE)**

Evaluator	Marks	Criteria
Internship Supervisor Mentor from Internship Providing Organization	30	- Evaluation provided from industry
Internal Evaluation committee prepared by the Concerned HOD/Principal	20	-Internship report.(10Marks) -Presentation. (05 marks) -Viva-voce (05 marks)
Total		50

Evaluation Stage : SEE

**Duration of Examination- 5 Hrs (Carried out in multiple
batches; One batch:approx..40)**

Evaluator	Criteria	Marks
External Evaluation committee (Consist of One internal and one external examiner, provided from university)	Skills acquired and Originality and Innovative contributions.	10
	Internship report	10
	Presentation	15
	Viva-voce	10
	Attendance.	5
Total		50



Annexure-1

Internship Evaluation

Internship evaluation is done on the basis of the broad criteria viz. Soft Skills, Professional Skills, and Administrative Skills.

A Evaluation by Internship Providing Organisation (IPO)

Industry Mentor Evaluation Format

Name of Student:

Name of Internship Providing Organisation:

Name of Supervisor/Mentor from Industry/Organization:

Area of Internship Allotment:

Internship Duration: From _____ to _____

Total Marks allotted: 30

Sl. No	Skill Parameters	Total Marks 100 (10 marks for each parameter)
01	Detailed understanding of the organisation	
02	Dedication and honesty towards the work	
03	Cooperates with peers and supervisors, Shows interest in the work and takes initiatives	
04	Accepts responsibility, Learns quickly and Produces high quality work	
05	Demonstrates organizational skills and Uses technical knowledge and expertise	
06	Demonstrates effective Communication and presentation	
07	Has a professional attitude and uses time effectively	
08	Demonstrates creativity/originality and effective problem solving	
09	Has maintained and reported day diary/ activity log	
10	Attendance (Punctuality and Regularity)	
	Between 91% to 100% = 10 Marks	
	Between 81% to 90% = 09 Marks	
	Between 75% to 80% = 08 Marks	
	Total obtained Marks out of 100	
	Out of 30 = (Total obtained Marks *30/100)	

Name and Signature of Supervisor

Designation:

Date:

Industry Seal