

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangam, Machhe, Belagavi-590018



Scheme of Teaching and Examinations 2026

Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS)
(Effective from the academic year 2026-27)

**B.Sc.(Hon). Program
Scheme of Teaching and Examinations 2026**

Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS) (Effective from the academic year 2026-27)

I SEMESTER														
Sl. No	Course	Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching & Learning Scheme					Examination				Credits
					CI		LI	TW & SL	# TH/S	Duration in hours	CIE Marks	SEE Marks	Total Marks	
					L	T	P	SL						
1	DC	4BSC11	Differential Calculus and Linear Algebra-I	Mathematics	42	28	0	20	90	3	50	50	100	3
2	DC	4BSC12	Mechanics and Properties of Matter	Physics	42	28	0	20	90	3	50	50	100	3
3	DC	4BSC13	Fundamentals of Chemistry	Chemistry	42	28	0	20	90	3	50	50	100	3
4	DC	4BSC14	Practical on Differential Calculus and Linear Algebra-I	Mathematics	0	0	42	18	60	3	50	50	100	2
5	DC	4BSC15	Mechanics Laboratory	Physics	0	0	42	18	60	3	50	50	100	2
6	DC	4BSC16	Applied Chemistry Lab	Chemistry	0	0	42	18	60	3	50	50	100	2
7	AEC	4BSC17	Environmental Science and Sustainability	Chemistry	28	14	0	18	60	2	50	50	100	2
8	AEC	4BSC18	Communicative English	HSMC	28	0	0	2	30	2	50	50	100	1
9	AEC	4BSC19	Balake Kannada	HSMC	28	14	0	18	60	2	50	50	100	2
		4BSC20	Samskruthika Kannada	HSMC										
Total									660		450	450	900	20

TH/S- Total Hours per Semester, TW & SL- Term Work & Self Learning

Note:

(i) **DC:** Discipline Course, **SEC:** Skill Enhancement Course, **AEC:** Ability Enhancement Course, **HSMC:** Humanity, Social Science and Management.

(ii) 4BSC20 Samskruthika Kannada is for students who speak, read and write Kannada and 4BSC19 Balake Kannada is for non- Kannada speaking, reading and writing students.

**B.Sc.(Hon). Program
Scheme of Teaching and Examinations 2026**

Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS) (Effective from the academic year 2026-27)

II SEMESTER														
Sl. No	Course and Course Code		Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching & Learning Scheme				Examination				Credits	
					CI		LI	# TW & SL	TH/S	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P							
1	DC	4BSC21	Integral Calculus and Vector Calculus	Mathematics	42	28	0	20	90	3	50	50	100	3
2	DC	4BSC22	Thermal Physics	Physics	42	28	0	20	90	3	50	50	100	3
3	DC	4BSC23	Core Concepts in Chemistry	Chemistry	42	28	0	20	90	3	50	50	100	3
4	DC	4BSC24	Practical on Integral Calculus and Vector Calculus	Mathematics	0	0	42	18	60	3	50	50	100	2
5	DC	4BSC25	Thermal Physics Laboratory	Physics	0	0	42	18	60	3	50	50	100	2
6	DC	4BSC26	Systematic Qualitative Analysis of inorganic salts and organic compounds	Chemistry	0	0	42	18	60	3	50	50	100	2
7	AEC	4BSC27	Professional writing skills in English - 2	HSMC	28	14	0	18	60	2	50	50	100	2
8	AEC	4BSC28	Sahithya Sinchana	HSMC	28	14	0	18	60	2	50	50	100	2
		4BSC29	Karnataka Darshana	HSMC										
9	SEC	4BSC30	Universal Human values	HSMC/ Any Department	28	0	0	2	30	2	50	50	100	1
Total									600		450	450	900	20

DC: Discipline Course, SEC: Skill Enhancement Course, AEC: Ability Enhancement Course, HSMC: Humanity, Social Science and Management.

4BSC28 Sahithya Sinchana is for students who have studied 4BSC20 Samskruthika Kannada and 4BSC29 Karnataka Darshana is for students who have studied 4BSC19 Balake Kannada in 1st Semester.

B.Sc.(Hon). Program
Scheme of Teaching and Examinations 2026

Outcome-Based Education (OBE) and Choice-Based Credit System (CBCS) (Effective from the academic year 2026-27)

III SEMESTER														
Sl. No	Course and Course Code		Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching & Learning Scheme				Examination				Credits	
					CI		LI	# TW & SL	TH/S	Duration in hours	CIE Marks	SEE Marks		Total Marks
					L	T	P							
1	DC	4BSC31	Ordinary Differential Equations-I and Partial Differential Equations-I.	Mathematics	42	28	0	20	90	3	50	50	100	3
2	DC	4BSC32	Concepts of Modern Physics	Physics	42	28	0	20	90	3	50	50	100	3
3	DC	4BSC33	Chemical Thermodynamics and thermochemistry	Chemistry	42	28	0	20	90	3	50	50	100	3
4	DC	4BSC34	Practical on Ordinary Differential Equations-I and Partial Differential Equations-I	Mathematics	0	0	42	18	60	3	50	50	100	2
5	DC	4BSC35	Modern Physics Lab	Physics	0	0	42	18	60	3	50	50	100	2
6	DC	4BSC36	Physical chemistry Lab	Chemistry	0	0	42	18	60	3	50	50	100	2
7	AEC	4BSC37	Research methodology and IPR	Any Department	28	14	0	18	60	2	50	50	100	2
8	SEC	4BSC38	Innovation & Design thinking	Any Department	28	14	0	18	60	2	50	50	100	2
9	SEC	4BSC39	Social Connect through Field Visit	Any Department	0	0	28	2	30	2	50	50	100	1
Total									600		450	450	900	20