

2025 SCHEME

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**SJC INSTITUTE OF TECHNOLOGY**

(An Autonomous Institute under VTU, Belagavi)

SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE - JULY 2026**

Course:	DIFFERENTIAL CALCULUS AND NUMERICAL METHODS			
Course Code:	1BMATC201	Branch: CV		
Max Marks:	100	Duration:	03 Hours	

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	Evaluate $\int_{-1}^1 \int_0^z \int_{x-z}^{x+z} (x+y+z) dx dy dz$.	6	1	L2
	b	Derive the relation between Beta and Gamma function of $\beta(m,n) = \frac{\Gamma(m)\Gamma(n)}{\Gamma(m+n)}$.	8	1	L3
	c	Evaluate $\int_0^1 \int_{\sqrt{y}}^1 dx dy$ by changing the order of integration	6	1	L3
OR					
Q2	a	Evaluate $\int_0^\infty \int_0^\infty e^{-(x^2+y^2)} dx dy$ by changing in to polar coordinates.	6	1	L2
	b	Show that $\Gamma(1/2) = \sqrt{\pi}$	8	1	L3
	c	Inspect the area of the ellipse $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$.	6	1	L3
MODULE - 2					
Q3	a	If $\vec{F} = grad(x^3 + y^3 + z^3 - 3xyz)$, find $div\vec{F}$ and $curl\vec{F}$.	6	2	L3
	b	Find the constants a , b and c such that if $\vec{F} = (x + y + az)i + (bx + 2y - z)j + (x + cy + 2z)k$ is irrotational	8	2	L3
	c	Find the directional derivative of $\phi = 4xz^3 - 3x^2y^2z$ at $(2, -1, 2)$ along $2\hat{i} - 3\hat{j} + 6\hat{k}$.	6	2	L3
OR					
Q4	a	Find the work done in moving a particle in the force field $\vec{F} = xy\hat{i} + yz\hat{j} + zx\hat{k}$ along the curve $x = t, y = t^2, z = t^3$ from $t = -1$ to $t = 1$	6	2	L3
	b	Using Greens theorem ,evaluate $\int (3x^2 - 8y^2)dx + (4y - 6xy)dy$ by where C is bounded by $y = \sqrt{x}$ and $y = x^2$.	8	2	L3

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	c	Apply Stoke's theorem to evaluate $\int_C xydx + xy^2dy$ where C is the Square in the x-y plane with vertices (1,0), (-1,0), (0,1) and (0,-1).	6	2	L3
MODULE – 3					
Q5	a	Form the partial differential equation by eliminating the arbitrary constant from $2z = \frac{x^2}{a^2} + \frac{y^2}{b^2}$	6	3	L2
	b	With usual notations derive a one-dimensional heat equation $\frac{\partial u}{\partial t} = C^2 \frac{\partial^2 u}{\partial x^2}$.	8	3	L3
	c	Solve: $\frac{\partial^2 u}{\partial x^2} = x + y$ by direct integration.	6	3	L3
OR					
Q6	a	Form the PDE by eliminating the arbitrary function from $f(xy + z^2, x + y + z) = 0$,	6	3	L2
	b	With usual notations derive a one-dimensional wave equation $\frac{\partial^2 u}{\partial t^2} = C^2 \frac{\partial^2 u}{\partial x^2}$.	8	3	L3
	c	Solve $\frac{\partial^2 z}{\partial y^2} = z$, given that when $y=0$, $z = e^x$ and $\frac{\partial z}{\partial y} = e^{-x}$	6	3	L3
MODULE – 4					
Q7	a	Find the real root of the equation $xe^x - 2 = 0$, by the Newton-Raphson method, correct to three decimal places.	6	4	L2
	b	The area of a circle of diameter D is given for the following values D: 80 85 90 95 100 A: 5026 5674 6362 7088 7854 Use appropriate interpolation formula to find area of circle at D=105	8	4	L3
	c	Evaluate $\int_0^{\pi} \sqrt{\cos \theta} d\theta$ by using Simpsons 3/8 th rule by taking 7 ordinates.	6	4	L4
OR					
Q8	a	Find an approximate real root of the equation $\cos x = 3x - 1$ using False position method correct to three decimal places.	6	4	L2
	b	Use Lagrange's interpolation formula to find y at x = 10 for the data x: 5 6 9 11 y: 12 13 14 16	8	4	L3
	c	Evaluate $\int_0^1 \frac{dx}{1+x^2}$ using Simpsons 1/3 rd rule by taking 4 equal parts.	6	4	L4
MODULE – 5					
Q9	a	Use Taylor's series method to find y at $x = 0.1$ considering terms upto the third degree that $\frac{dy}{dx} = x^2 + y^2$ and $y(0) = 1$	6	5	L2
	b	Solve $(x + y) \frac{dy}{dx} = 1$, $y(0.4) = 1$ using Runge-Kutta method of fourth order, hence find y at $x = 0.5$ by taking $h = 0.1$	8	5	L3

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	c	Given $\frac{dy}{dx} = x - y^2$, $y(0) = 0$, $y(0.2) = 0.02$, $y(0.4) = 0.0795$, $y(0.6) = 0.1762$ compute $y(0.8)$ using Milne's method.	6	5	L4
OR					
Q10	a	Using modified Euler's method find $y(0.1)$, correct to four decimal places, given $\frac{dy}{dx} = x - y^2$, $y(0) = 1$ taking $h=0.1$	6	5	L2
	b	Use Runge-Kutta method of fourth order to find y at $x = 0.1$ for $\frac{dy}{dx} = 3e^x + 2y$, $y(0) = 0$, taking $h = 0.1$.	8	5	L3
	c	Given $\frac{dy}{dx} = x^2 + \frac{y}{2}$, $y(1) = 2$, $y(1.1) = 2.2156$, $y(1.2) = 2.4649$, $y(1.3) = 2.7514$ compute $y(1.4)$ using Milne's method.	6	5	L4





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SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	CALCULUS, LAPLACE TRANSFORM AND NUMERICAL TECHNIQUES		
Course Code:	1BMATE201	Branch: ECE	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	If $\vec{F} = \text{grad}(x^3 + y^3 + z^3 - 3xyz)$ find $\text{div}\vec{F}$ and $\text{curl}\vec{F}$.	6	1	L2
	b	Find the angle between the surfaces $x^2 + y^2 + z^2 = 9$ & $z = x^2 + y^2 - 3$ at the point $(2, -1, 2)$.	8	1	L3
	c	Prove that $\vec{F} = \frac{xi + yj}{x^2 + y^2}$ is both solenoidal and irrotational.	6	1	L3
OR					
Q2	a	Find the directional derivative of $\phi = 4xz^3 - 3x^2y^2z$ at $P(2, -1, 2)$ along $2\hat{i} - 3\hat{j} + 6\hat{k}$.	6	1	L2
	b	Solve by using Green's theorem in a plane $\oint_C (xy + y^2)dx + x^2dy$ where C is the boundary of the region enclosed by $y = x$ and $y = x^2$.	8	1	L3
	c	Find $\int_C \vec{F} \cdot d\vec{r}$ where $\vec{F} = xy\hat{i} + (x^2 + y^2)\hat{j}$ along the path of straight line joining the origin and $(1, 2)$.	6	1	L3
MODULE - 2					
Q3	a	Prove the subset $W = \{(x, y, z)/x - 3y + 4z = 0\}$ of vector space R^3 is a subspace of R^3 .	6	2	L2
	b	Show that the set $S = \{(1, 2, 4), (1, 0, 0), (0, 1, 0), (0, 0, 1)\}$ is linearly dependent.	8	2	L2
	c	If $f(t) = t + 2$, $g(t) = 3t - 2$, $h(t) = t^2 - 2t - 3$ and $\langle f, g \rangle = \int_0^1 f(t)g(t)dt$ be the inner product.	6	2	L3
OR					
Q4	a	Find the matrix of the linear transformation $T: V_2(R) \rightarrow V_3(R)$ such that $T(-1, 1) = (-1, 0, 2)$ and $T(2, 1) = (1, 2, 1)$	6	2	L2

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	b	Determine whether the matrix $\begin{bmatrix} -1 & 7 \\ 8 & -1 \end{bmatrix}$ is a linear combination of $\begin{bmatrix} 1 & 0 \\ 2 & 1 \end{bmatrix}$, $\begin{bmatrix} 2 & -3 \\ 0 & 3 \end{bmatrix}$ & $\begin{bmatrix} 0 & 1 \\ 2 & 0 \end{bmatrix}$ in the vector space M_{22} of 2 x 2 matrices.	8	2	L3
	c	Verify the Rank-nullity theorem for the linear transformation $T: V_3(R) \rightarrow V_3(R)$ defined by $T(x, y, z) = (x + 2y - z, y + z, x + y - 2z)$.	6	2	L3

MODULE - 3

Q5	a	Find $L[\cos t \cos 2t \cos 3t]$	6	3	L2
	b	If $f(t) = \begin{cases} t & , 0 \leq t < a \\ 2a - t & , a \leq t < 2a \end{cases}$ where $f(t + 2a) = f(t)$ then prove that $L[f(t)] = \frac{1}{s^2} \tanh\left(\frac{as}{2}\right)$.	8	3	L3
	c	Solve $y'' + 4y' + 4y = e^{-t}$ with $y(0) = y'(0) = 0$.	6	3	L3

OR

Q6	a	Find $L\{e^{3t}(2 \cos 5t - 3 \sin 5t)\}$.	6	3	L2
	b	Express the function in terms of Heaviside function and hence find their Laplace transform of $f(t) = \begin{cases} \sin t & , 0 < t \leq \pi \\ \sin 2t & , \pi < t \leq 2\pi \\ \sin 3t & , t > 2\pi \end{cases}$.	8	3	L3
	c	Find $L^{-1}\left[\frac{2s^2 - 6s + 5}{(s-1)(s-2)(s-3)}\right]$.	6	3	L3

MODULE - 4

Q7	a	Find the real root of $xe^x - \cos x = 0$ by using Regula - Falsi method. Carry out three iterations where the root is lies between (0,1).	6	4	L2												
	b	Use Newton's divided difference formula to find y at $x = 9$ for the given following data <table><tr><td>x</td><td>5</td><td>7</td><td>11</td><td>13</td><td>17</td></tr><tr><td>f(x)</td><td>150</td><td>392</td><td>1452</td><td>2366</td><td>5202</td></tr></table>	x	5	7	11	13	17	f(x)	150	392	1452	2366	5202	8	4	L3
	x	5	7	11	13	17											
f(x)	150	392	1452	2366	5202												
c	Evaluate $\int_0^{0.3} (1 - 8x^3)^{\frac{3}{2}} dx$ using Simpson's $(3/8)^{th}$ rule by taking 7 ordinates.	6	4	L4													

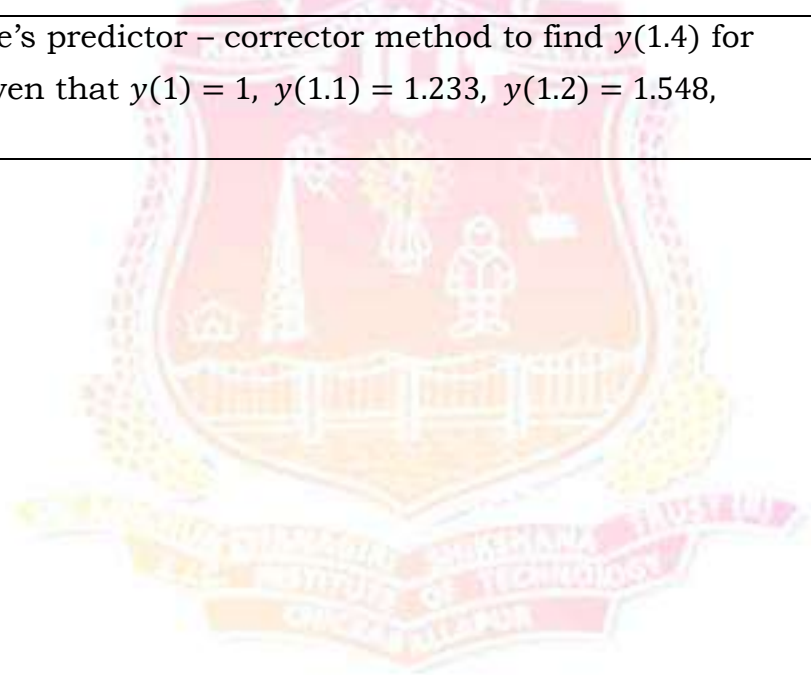
OR

Q8	a	Find the real root of $x\sin x + \cos x = 0$ near $x = \pi$ by using Newton-Raphson method. Carry out the iterations up to four decimal places of accuracy.					6	4	L2	
	b	From the following data estimate the number of students scoring marks less than 45.					8	4	L3	
		Marks	30-40	40-50	50-60	60-70				70-80
		No.of students	31	42	51	35				31
c	Evaluate $\int_0^6 \frac{dx}{1+x^2}$ using Trapezoidal rule by taking $h = 10$.					6	4	L4		

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MODULE – 5

Q9	a	Find an approximate solution of y at $x = 0.2$ given that $\frac{dy}{dx} = 2y + 3e^x$ with $y(0) = 0$ by using Taylor's series method considering up to fourth degree term.	6	5	L2
	b	Apply Runge – Kutta method of fourth order for $\frac{dy}{dx} = \frac{y-x}{y+x}$, $y(0) = 1$ to find y at $x = 0.2$ and $h = 0.2$.	8		L3
	c	Employ the Milne's predictor – corrector method to find $y(0.4)$ for $\frac{dy}{dx} = xy + y^2$ given that $y(0) = 1$, $y(0.1) = 1.1169$, $y(0.2) = 1.2773$, $y(0.3) = 1.5049$.	6	5	L4
OR					
Q10	a	Solve by Picard's method to obtain the third approximation to the solution of $\frac{dy}{dx} = x + y$ with $y(0) = 1$ and hence find y at $x = 0.1$.	6	5	L2
	b	Solve by Modified Euler's method given that $y' = 1 + \frac{y}{x}$ with $y(1) = 2$ at $x = 1.4$ for three iterations by taking $h = 0.4$.	8	5	L3
	c	Employ the Milne's predictor – corrector method to find $y(1.4)$ for $\frac{dy}{dx} = x^2(1 + y)$ given that $y(1) = 1$, $y(1.1) = 1.233$, $y(1.2) = 1.548$, $y(1.3) = 1.979$.	6	5	L4





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SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE-JULY 2026

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Course:	MULTIVARIABLE CALCULUS AND NUMERICAL METHODS		
Course Code:	1BMATM201	Branches: ME, AE and AS	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	Evaluate $\int_0^a \int_0^x \int_0^{x+y} e^{x+y+z} dz dy dx$.	6	1	L2
	b	Prove that $\int_0^{\frac{\pi}{2}} \sqrt{\sin \theta} d\theta \times \int_0^{\frac{\pi}{2}} \frac{1}{\sqrt{\sin \theta}} d\theta = \pi$	8	1	L3
	c	By changing the order of integration, evaluate $\int_0^\infty \int_x^\infty \frac{e^{-y}}{y} dy dx$.	6	1	L3
OR					
Q2	a	Evaluate $\int_{-1}^1 \int_0^z \int_{x-z}^{x+z} (x+y+z) dx dy dz$.	6	1	L2
	b	Derive the relation between Beta and Gamma function of $\beta(m, n) = \frac{\Gamma(m)\Gamma(n)}{\Gamma(m+n)}.$	8	1	L3
	c	Examine the value of $\int_0^\infty \int_0^\infty e^{-(x^2+y^2)} dx dy$ by changing to polar coordinates.	6	1	L3
MODULE - 2					
Q3	a	If $\vec{F} = \text{grad} \phi$, where $\phi = x^3 + y^3 + z^3 - 3xyz$, find $\text{div } \vec{F}$ and $\text{cur } \vec{F}$.	6	2	L3
	b	Find the angle between the surfaces $x^2 + y^2 + z^2 = 9$ and $x^2 + y^2 - 3 = z$ at the point $(2, -1, 2)$	8	2	L3
	c	Find the directional derivative of $\phi = x^2yz + 4xz^2$ at the point $(1, -2, -1)$ in the direction of the vector $2\hat{i} - \hat{j} - 2\hat{k}$.	6	2	L3
OR					
Q4	a	Evaluate $\int 3xy dx - y^2 dy$, over the curve $y = 2x^2$ in the xy -plane from the point $(0, 0)$ to $(1, 2)$.	6	2	L3
	b	Using Green's theorem, evaluate $\int (xy + y^2) dx + x^2 dy$, where C is the closed curve of the region bounded by $y = x$ and $y = x^2$.	8	2	L3
	c	Apply Stoke's theorem to evaluate $\int_C \vec{F} \cdot d\vec{r}$ where $\vec{F} = (x^2 + y^2)\hat{i} - 2xy\hat{j}$ and C is bounded by $x=0, x=a, y=0, y=b$.	6	2	L3
MODULE - 3					
Q5	a	Form the partial differential equation by eliminating the arbitrary function from the relation $lx + my + nz = (x^2 + y^2 + z^2)$.	6	3	L2

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	b	With usual notations derive the one-dimensional wave equation $\frac{\partial^2 u}{\partial t^2} = c^2 \frac{\partial^2 u}{\partial x^2}.$	8	3	L2												
	c	Solve $\frac{\partial^2 z}{\partial x \partial y} = \sin x \sin y$ for which $\frac{\partial z}{\partial y} = -2 \sin y$ when $x=0$ and $z=0$ when y is an odd multiple of $\frac{\pi}{2}$.	6	3	L3												
OR																	
Q6	a	Form the PDE by eliminating the arbitrary function from $f(xy+ z^2, x + y + z) = 0,$	6	3	L2												
	b	With usual notations derive the one-dimensional heat equation $\frac{\partial u}{\partial t} = c^2 \frac{\partial^2 u}{\partial x^2}.$	8	3	L2												
	c	Solve $x^2(y - z)p + y^2(z - x)q = z^2(x - y).$	6	3	L3												
MODULE - 4																	
Q7	a	Find an approximate real root of the equation $\cos x = 3x - 1$ using False position method.	6	4	L2												
	b	From the following table, estimate the number of students who got marks between 40 to 45 <table border="1"><tr><td>Marks:</td><td>30-40</td><td>40-50</td><td>50-60</td><td>60-70</td><td>70-80</td></tr><tr><td>No of Students:</td><td>31</td><td>42</td><td>51</td><td>35</td><td>31</td></tr></table>	Marks:	30-40	40-50	50-60	60-70	70-80	No of Students:	31	42	51	35	31	8	4	L3
	Marks:	30-40	40-50	50-60	60-70	70-80											
No of Students:	31	42	51	35	31												
c	Use Simpson's 1/3rd rule to find $\int_4^{5.2} \log x \, dx$ by taking 5 ordinates.	6	4	L3													
OR																	
Q8	a	Find an approximate real root of the equation $xe^x - 2 = 0$, using Newton-Raphson method.	6	4	L2												
	b	Use Lagrange's interpolation formula to find y at $x = 10$ for the data x: 5 6 9 11 y: 12 13 14 16	8	4	L3												
	c	Evaluate $\int_0^1 \frac{dx}{1+x^2}$ using Simpsons 3/8th rules by taking 6 equal parts.	6	4	L3												
MODULE - 5																	
Q9	a	Solve $\frac{dy}{dx} = x^2 + y^2$ given $y(0)=1$ to find the value of $y(0.1)$ by using the Taylor's series method taking the terms up to 4th order.	6	5	L3												
	b	Using the Runge-Kutta method of fourth order solve $\frac{dy}{dx} = \frac{y^2-x^2}{y^2+x^2}$ with $y(0)=1$ at $x=0.2$.	8	5	L3												
	c	Given that $\frac{dy}{dx} = x - y^2$ and the data $y(0)=0$, $y(0.2)=0.02$, $y(0.4)=0.0795$, $y(0.6)=0.1762$. Compute y at $x=0.8$ by applying Milne's method.	6	5	L3												
OR																	
Q10	a	Using modified Euler's formula, compute $y(1.1)$ correct to four decimal places given that $\frac{dy}{dx} + \frac{y}{x} = \frac{1}{x^2}$ and $y=1$ at $x=1$.	6	5	L3												
	b	Find the value of $y(0.5)$ using the Runge- Kutta method of fourth order, for the given equation $\frac{dy}{dx} = \frac{1}{x+y}$; $y(0.4) = 1$.	8	5	L3												
	c	Apply Milne's Predictor-Corrector method, find $y(0.4)$, from $\frac{dy}{dx} = 2e^x - y$, given that $y(0) = 2$, $y(0.1) = 2.01$, $y(0.2) = 2.04$, $y(0.3) = 2.09$.	6	5	L3												

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1	S	J							
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**SJC INSTITUTE OF TECHNOLOGY**

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SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE-JULY 2026**

Course:	NUMERICAL METHODS		
Course Code:	1BMATS201	Branches: CSE, ISE, AIML, CSD and AI&DS	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.	MODULE - 1		Marks	CO	RBTL
Q1	a	Find the angle between the surfaces $x^2 + y^2 + z^2 = 9$ and $x^2 + y^2 - 3 = z$ at the point $(2, -1, 2)$	6	1	L2
	b	Find the constants a, b & c , such that $\vec{F} = (x + y + az)\hat{i} + (bx + 2y - z)\hat{j} + (x + cy + 2z)\hat{k}$ is an irrotational.	8	1	L3
	c	Express vector $\vec{A} = y\hat{i} - z\hat{j} + x\hat{k}$ in Spherical coordinate system and hence find A_r, A_θ, A_ϕ .	6	1	L3
OR					
Q2	a	If $\vec{F} = \nabla(xy^3z^2)$, find $\text{div}\vec{F}$ and $\text{Curl}\vec{F}$ at the point $(1, -1, 1)$	6	1	L2
	b	Find the directional derivative of $\phi = 4xz^3 - 3x^2y^2z$ at $P(2, -1, 2)$ along $2\hat{i} - 3\hat{j} + 6\hat{k}$	8	1	L3
	c	Prove that cylindrical coordinate system is orthogonal.	6	1	L3
MODULE - 2					
Q3	a	Find the Basis and dimension of the subspace spanned by the vectors $\{(2, 4, 2), (1, -1, 0), (1, 2, 1), (0, 3, 1)\}$ in $V_3(R)$.	6	2	L2
	b	Verify the Rank-nullity theorem for the linear transformation $T: V_3(R) \rightarrow V_2(R)$ defined by $T(x, y, z) = (y - x, y - z)$.	8	2	L3
	c	Analyze the matrix of the linear transformation $T: V_2(R) \rightarrow V_3(R)$ such that $T(-1, 1) = (-1, 0, 2)$ and $T(2, 1) = (1, 2, 1)$.	6	2	L3
OR					
Q4	a	Show that the functions $f(t) = 4t+3$ and $g(t) = t^2$ the inner product $\langle f, g \rangle = \int_0^1 f(t)g(t)dt$. Find $\langle f, g \rangle$ and norm of g .	6	2	L2
	b	Prove that the transformation $T: R^2 \rightarrow R^2$ defined by $T(x, y) = (3x, x+y)$ is linear. Find the images of the vectors $(1, 3)$ and $(-1, 2)$ under this transformation.	8	2	L3
	c	Find the kernel and range of the linear operator and also verify rank-nullity theorem, $T(x, y, z) = (x + y, z)$ of $R^3 \rightarrow R^2$	6	2	L3

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MODULE – 3

Q5	a	Find the remainder when $175 \times 113 \times 53$ is divided by 11.	6	3	L3
	b	Justify for what the least positive values of x such that i) $78+x \equiv 3 \pmod{5}$ ii) $89 \equiv (x+3) \pmod{4}$	8	3	L3
	c	Find the last digit of 7^{2013} .	6	3	L3

OR

Q6	a	Encrypt the message STOP using RSA with key (2537, 13) using the prime numbers 43 and 59.	6	3	L3
	b	Solve the system of linear congruence $x \equiv 5 \pmod{3}$, $x \equiv 2 \pmod{5}$, $x \equiv 1 \pmod{11}$ using Remainder Theorem.	8	3	L3
	c	Using Fermat's Little Theorem, show that $8^{30}-1$ is divisible by 31.	6	3	L3

MODULE – 4

Q7	a	Analyze the real root of the equation $\cos x = xe^x$, by the Newton-Raphson method, correct to four decimal places.	6	4	L3
	b	Apply Newton's generalized interpolation formula to find y at $x = 7$ for the data given below $\begin{array}{cccccc} x: & 2 & 4 & 5 & 6 & 8 & 10 \\ y: & 10 & 96 & 196 & 350 & 686 & 1746. \end{array}$	8	4	L3
	c	Use Simpson's $(1/3)^{\text{rd}}$ rule to find $\int_4^{5.2} \log x \, dx$ by taking 7 ordinates.	6	4	L4

OR

Q8	a	Given $f(40)=184$, $f(50)=204$, $f(60)=226$, $f(70)=250$, $f(80)=276$, $f(90)=304$, find $f(38)$ using suitable interpolation formula.	6	4	L3
	b	Use Lagrange's interpolation formula to find y at $x = 2$ for the data $\begin{array}{cccc} x: & 0 & 1 & 3 & 4 \\ y: & -12 & 0 & 6 & 12 \end{array}$	8	4	L3
	c	Evaluate $\int_0^6 \frac{dx}{1+x^2}$ using Simpson's $(3/8)^{\text{rd}}$ rule by taking 6 equal parts.	6	4	L4

MODULE – 5

Q9	a	Use Taylor's series method to find y at $x = 0.1, 0.2$ considering terms upto the third degree that $\frac{dy}{dx} = x^2 + y^2$ and $y(0) = 1$	6	5	L3
	b	Apply the Runge-Kutta method to find $y(0.1)$ if $\frac{dy}{dx} = 3e^x + 2y$, with $y(0) = 0$ taking $h = 0.1$	8	5	L3
	c	Applying Milne's Predictor –Corrector method, to find $y(1.4)$, from $\frac{dy}{dx} = x^2 + \frac{y}{2}$, given that $y(1) = 2$, $y(1.1) = 2.2156$, $y(1.2) = 2.4549$, $y(1.3) = 2.7514$	6	5	L4

OR

2025 SCHEME

Q10	a	Using Modified Euler's method find $y(0.1)$, given $\frac{dy}{dx} = x^2 - y$, $y(0)=1$, taking $h = 0.1$.	6	5	L3
	b	Solve $(x + y) \frac{dy}{dx} = 1$, $y(0.4) = 1$ using Runge-Kutta method of fourth order, hence find y at $x = 0.5$ and take $h = 0.1$	8	5	L3
	c	Applying Milne's Predictor –Corrector method, to find $y(0.4)$, from $\frac{dy}{dx} = 2e^x - y$, given that $y(0) = 2$, $y(0.1) = 2.010$, $y(0.2) = 2.040$, $y(0.3) = 2.090$	6	5	L4





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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	APPLIED CHEMISTRY FOR SUSTAINABLE STRUCTURES & MATERIAL DESIGN		
Course Code:	1BCHEC102/202	Branch: CV	
Max Marks:	100	Duration:	03 Hours

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Page 1 of 2

2025 SCHEME

MODULE – 3					
Q5	a	Outline the types of special cements.	6	3	L1
	b	Interpret the setting & hardening of cement.	6	3	L2
	c	Apply the knowledge of material & interpret the spiropyran as photochromic coating, working principle with chemical reactions and applications in construction activities	6	3	L3
OR					
Q6	a	Mention the applications of the following in construction of the civil structures. i) Piezoelectric Material ii) Geo polymer concrete	6	3	L1
	b	Outline the manufacturing process of cement by wet process. Mention the raw materials and basic steps involved with suitable reactions.	6	3	L2
	c	Apply the knowledge of polymer & explain the synthesis properties & applications of biodegradable material(Poly Lactic acid)	6	3	L3
MODULE – 4					
Q7	a	Mention the properties & applications of Iron & its alloys.	6	4	L1
	b	Describe the electrochemical theory of corrosion of steel in civil structures.	6	4	L2
	c	Evaluate the CPR in both mpy and mmpy for a steel of area 70 inch ² which experiences a weight loss of 0.85kg, after 2 years. (Density of steel=7.9g/cm ³).	6	4	L4
OR					
Q8	a	Define Metal finishing. Mention the Technological importance of metal finishing.	6	4	L1
	b	Interpret the waterline corrosion by taking suitable example.	6	4	L2
	c	Apply & analyze the reactions involved in electroplating of chromium. & mention the plating bath conditions.	6	4	L4
MODULE – 5					
Q9	a	Define the following with suitable example for each: i) Domestic effluent ii) Industrial effluent	6	5	L1
	b	Describe the Determination of Total Hardness of water by EDTA Method.	6	5	L2
	c	Analyze how potentiometric sensor operates and analyses the Iron present in industrial effluent sample. Discuss their major applications across various fields.	6	5	L4
OR					
Q10	a	Define the following: i) Alkalinity ii) Hardness iii) COD	6	5	L1
	b	Interpret the working principle of colorimetric sensor. Mention its applications.	6	5	L2
	c	Analyze the COD of the waste water sample. When 38.8 cm ³ and 20.5 cm ³ of 0.05N FAS solution are required for blank and sample titration respectively. The volume of the test sample used is 25cm ³ .	6	5	L4

2025 SCHEME

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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE-JULY 2026**

Course:	APPLIED CHEMISTRY FOR EMERGING ELECTRONICS AND FUTURISTIC DEVICES			
Course Code:	1BCHEE102/202	Branch: ECE		
Max Marks:	100	Duration:	03 Hours	

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	Outline the basic components of Batteries.	6	1	L1
	b	Illustrate the construction and working of Photovoltaic cell. Mention its advantages.	8	1	L2
	c	Distinguish between fuel cell and conventional cells.	6	1	L3
OR					
Q2	a	Write a note of classification of batteries with example.	6	1	L1
	b	Illustrate the construction and working of Li-ion battery. Mention its advantages in EV applications.	8	1	L2
	c	Interpret the construction and working of Methanol – oxygen fuel cell.	6	1	L3
MODULE – 2					
Q3	a	Explain the Galvanization process with neat diagram.	6	2	L2
	b	Identify the type of corrosion and explain with suitable reactions (i) Partially filled Iron water tank with water. (ii) Bolt and nut made by using Cu and Sn Metals respectively.	8	2	L3
	c	A steel sheet of area 100 inch ² is exposed to air near the ocean. After 1 year period it was found to experience a weight loss of 485g due to corrosion. If the density of steel is 7.9 g/cm ³ , calculate the CPR in mpy and mmpy.	6	2	L3
OR					
Q4	a	Define e – waste. List out the sources of e – waste.	6	2	L2
	b	Apply the knowledge of chemical leaching method in the extraction of gold from e – waste.	8	2	L3
	c	Examine the electrochemical theory of corrosion by taking Iron as example.	6	2	L4

2025 SCHEME

MODULE - 3					
Q5	a	Write any six e – skin applications of Polydimethylsiloxane.	6	3	L1
	b	Explain synthesis and properties of Poly vinylidene Fluoride (PVDF). Mention its applications in E-nose sensor device.	8	3	L2
	c	In a polymer sample, 100 molecules have molecular mass 500 g/mol, 200 molecules have molecular mass 1000 g/mol, and 300 molecules have molecular mass 1500 g /mol, calculate the number average, weight average molecular mass of the polymer.	6	3	L3
OR					
Q6	a	Write any six properties of epoxy resin- Fe ₃ O ₄ composite for sensors applications	6	3	L1
	b	Describe synthesis and properties of Kevlar Fiber Reinforced Polymer.	8	3	L2
	c	In a polymer sample, 20% molecules have molecular mass 23,000 g/mol, 30% molecules have molecular mass 33,000 g/mol, and remaining molecules have molecular mass 43000 g /mol, calculate the number average, weight average molecular mass of the polymer.	6	3	L3
MODULE - 4					
Q7	a	Define the followings with examples (i) Nanomaterials (ii) Quantum Dots (iii) Inorganic Quantum Dots	6	4	L1
	b	Outline the properties and application chitosan-carbon quantum dots.	8	4	L2
	c	Analyze the optical and electronic properties of quantum dots and explain their significance in electronic and photonic devices.	6	4	L4
OR					
Q8	a	Write a note on types of Quantum Dot materials with example.	6	4	L1
	b	Describe the following size dependent properties of nanomaterials (i) Surface area (ii) Catalytic and (iii) electrical	8	4	L2
	c	Analyze the synthesis of TiO ₂ using Sol Gel method.	6	4	L4
MODULE - 5					
Q9	a	Define the followings with examples (i) Reference Electrode (ii) Ion Selective Electrode	6	5	L1
	b	A concentration cell is constructed by using two Lead electrodes placed in 1 M and 5 M PbSO ₄ solution respectively. Write the cell reaction, cell representation and calculate the emf of the cell.	8	5	L2
	c	Analyze the working principle of conductometric sensors in determining acid mixture in sample.	6	5	L4
OR					
Q10	a	Define the followings with examples (i) Concentration Cell (ii) Sensor	6	5	L1
	b	Explain the construction and working of glass electrode with a neat diagram.	8	5	L2
	c	Analyze the construction, working and applications of calomel electrode.	6	5	L4

2025 SCHEME

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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	Applied Chemistry for Advanced Metal Protection and Sustainable Energy Systems		
Course Code:	1BCHEM102/202	Branches: ME, AE & AS	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	Define metal finishing. Give the technological importance of metal finishing.	6	1	L1
	b	Differentiate between electroplating and electroless plating.	8	1	L2
	c	Illustrate Galvanization by hot dipping process.	6	1	L3
OR					
Q2	a	Describe electrochemical theory of corrosion taking iron as an example.	6	1	L1
	b	Explain electroplating of decorative/hard Chromium with suitable reactions.	8	1	L2
	c	Calculate the CPR in both mpy and mmpy for a thick steel sheet of area 120 inch ² which experiences a weight loss of 550 g after one year. (Density of steel=7.9g/cm ³).	6	1	L3
MODULE - 2					
Q3	a	Define calorific value. Explain the determination of calorific value using bomb calorimeter.	6	2	L1
	b	Give the synthesis of biodiesel by trans-esterification method with its advantages and applications.	8	2	L2
	c	Describe the construction and working of photovoltaic cells with its advantages and limitations.	6	2	L4
OR					
Q4	a	Define Knocking. Explain knocking mechanism in petrol engine with suitable reactions.	6	2	L1
	b	Describe Octane number and Cetane number.	8	2	L2
	c	A 0.78 g of coal sample (carbon 90 %, H ₂ 6%, and ash 4%) was subjected to combustion in a bomb calorimeter. Mass of water taken in the calorimeter was 1100 g and the water equivalent of calorimeter was 600 g. The rise in temperature was 4.5 °C. Calculate the gross and net calorific value of the sample.	6	2	L4

2025 SCHEME

		(Given, specific heat of water = $4.187 \text{ kJ kg}^{-1}\text{°C}^{-1}$ and latent heat of steam = 2454 kJ kg^{-1}).			
MODULE – 3					
Q5	a	Define batteries. Give the classification of batteries with an examples	6	3	L1
	b	Describe the construction, working and applications of Na-ion battery with neat labelled diagram	8	3	L2
	c	Enumerate the synthesis, properties and engineering applications of graphene oxide.	6	3	L3
OR					
Q6	a	Define nanomaterials. Explain the following size-dependent properties i) surface area ii) catalytical properties of nanomaterials	6	3	L1
	b	Describe the construction, working and applications of Li-ion battery with neat labelled diagram.	8	3	L2
	c	Illustrate the properties & applications of carbon nanotube(CNTs) in energy devices	6	3	L3
MODULE – 4					
Q7	a	Define the below terms i) number average molecular weight ii) weight average molecular weight.	6	4	L1
	b	What are polymer composites? Outline the synthesis, properties and industrial applications of Kevlar fiber	8	4	L2
	c	In a sample of a polymer, 35% molecules have molecular mass 2500g/mol, 25% molecules have molecular mass 4500 g/mol, and remaining molecules have molecular mass 3000g/mol, calculate the number average and weight average molecular mass of the polymer, Calculate PDI.	6	4	L4
OR					
Q8	a	Give the synthetic procedure, properties and applications of Poly Vinyl Chloride (PVC).	6	4	L1
	b	Articulate the synthetic process of Silicon Rubber with its properties and applications.	8	4	L2
	c	Enumerate the synthesis, properties and Industrial applications of polylactic acid (PLA) resin.	6	4	L4
MODULE – 5					
Q9	a	Define lubricants with example. Give the properties and applications of lubricants.	6	5	L1
	b	Define the following terms with examples: i) Phase ii) Component iii) Degree of freedom	8	5	L2

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	c	Define COD. Analyse the COD of the waste water sample. When 42.8 cm ³ and 18.5 cm ³ of 0.04N FAS solution are required for blank and sample titration respectively. The volume of the test sample used is 30cm ³ .	6	5	L4
OR					
Q10	a	Enumerate the Phase diagram of two component-Lead -silver system.	6	5	L4
	b	Illustrate the properties and industrial applications of coolants.	8	5	L2
	c	Enumerate principle and applications of potentiometric sensor. Describe the estimation of iron in steel industry effluent	6	5	L4



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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	APPLIED CHEMISTRY FOR SMART SYSTEM		
Course Code:	1BCHES102/202	Branches: CSE, ISE, AIML, CSD and AI&DS	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.		MODULE - 1	Marks	CO	RBT1
Q1	a	Mention the properties & applications of P3HT.	6	1	L1
	b	Describe the synthesis of TiO ₂ -RAM nanoparticles using the sol-gel method. Mention its applications.	8	1	L2
	c	Apply the concepts of construction and working principle of OLED to explain its operation and describe its applications.	6	1	L3
OR					
Q2	a	Discuss and mention the properties and applications of Liquid crystals in LCD display technology.	6	1	L1
	b	Describe the working principle of pentacene as a p and n type semiconducting material in memory devices.	8	1	L2
	c	Apply the knowledge of quantum materials to describe the working mechanism, and applications of QLED devices.	6	1	L3
MODULE - 2					
Q3	a	Define Battery. Give the classification of battery with suitable example.	6	2	L1
	b	Describe the construction, working and applications of lithium ion battery.	8	2	L2
	c	A concentration cell was constructed by using two copper rods placed in 0.1M and 1.0 M copper sulphate solution. Write the cell representation, cell reactions and calculate the EMF of the cell at 298K.	6	2	L3
OR					
Q4	a	Mention the applications and limitations of Photovoltaic cells.	6	2	L1
	b	Describe the construction, working and applications of solid oxide fuel cells.	8	2	L2
	c	The EMF of the cell Zn /ZnSO ₄ (0.0093 M) // ZnSO ₄ (X M) / Zn is 0.059 V at 298K. Determine the value of X and write the cell reactions,	6	2	L3

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MODULE – 3					
Q5	a	Give the synthesis and applications of polyacetylene.	6	3	L1
	b	Describe the synthesis, any three properties and applications of Kevlar fiber.	8	3	L2
	c	A polymer sample which consists of 40 molecules have molecular weight 1000 g/mol, 50 molecules have molecular weight 2000 g/mol and 60 molecules have molecular weight of 3000 g/mol. calculate the number average and weight average molecular.	6	3	L3
OR					
Q6	a	Give the synthesis, properties and applications of PVC.	6	3	L1
	b	Describe the construction, working principle and applications quantum dot sensitized solar cells (QDSSCs).	8	3	L2
	c	Apply the concept of doping in polyacetylene to explain its conduction mechanism through oxidative process (p-Doping).	6	3	L3
MODULE – 4					
Q7	a	Define the following. i) Sensor ii) Corrosion iii) CPR	6	4	L1
	b	Describe the working principle and application of Optical sensor.	8	4	L2
	c	A thick steel sheet of area 200 square inch is exposed to air. After 1 years of period, it was found to experience a weight loss 575 g due to corrosion. If the density of steel is 7.93 g/cm ³ . Analyze its CPR in mpy and mmpy.	6	4	L4
OR					
Q8	a	Give the steps involved in galvanization process with neat diagram.	6	4	L1
	b	Illustrate the electrochemical theory of corrosion by taking iron as an example.	8	4	L2
	c	Analyze cathodic protection of metals using impressed current method.	6	4	L4
MODULE – 5					
Q9	a	Mention the properties of glycerol trioleate ester & highlight its applications in server and IT infrastructure.	6	5	L1
	b	Describe the synthesis, properties and applications of Polylactic Acid (PLA).	8	5	L2
	c	Analyze the extraction of gold from e-waste by Chemical leaching method.	6	5	L4
OR					
Q10	a	Mention the sources and composition of E-waste.	6	5	L1
	b	Illustrate the synthesis, properties & applications of Polyethylene Glycol in touch screen technologies.	8	5	L2
	c	Analyze the effect of E-waste on environment and human Health.	6	5	L4

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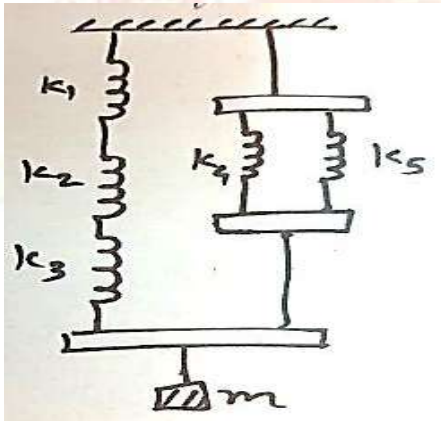
FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	APPLIED PHYSICS FOR CV STREAM			
Course Code:	1BPHYC102/202	Branch: CV		
Max Marks:	100	Duration:	03 Hours	

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.	MODULE - 1		Marks	CO	RBTL
Q1	a	Mention the types of Springs and their applications.	6	1	L1
	b	Explain the construction and working of Reddy shock tube with a neat diagram.	8	1	L2
	c	In the multiple spring system shown in figure, K_1 is 2000N/m, K_2 is 1500N/m, K_3 is 3000N/m, $K_4 = K_5 = 500$ N/m. Find the mass such that the system has a natural frequency of 10Hz.  Fig.Q1(C)	6	1	L3
OR					
Q2	a	Define the following: Mach number, sonic, subsonic, supersonic waves and Hypersonic waves.	6	1	L1
	b	Derive the expressions for equivalent force constant for springs in series and parallel.	8	1	L2
	c	The distance between the 2 pressure sensors in a shock tube is 150 mm, the time taken by a shock wave to travel this distance is 0.3 ms, if velocity of sound is 340m/s. Calculate the Mach number of shock wave.	6	1	L3

2025 SCHEME

MODULE – 2					
Q3	a	Define Poisson's ratio. Mention its limiting values.	6	1	L1
	b	Define bending moment and derive an expression for bending moment with the help of a neat sketch.	8	1	L3
	c	Calculate the force required to produce an extension of 1mm in steel wire of length 2m and diameter 1mm. (Young's modulus for steel $Y = 2 \times 10^{11} \text{N/m}^2$).	6	1	L3
OR					
Q4	a	Define Hook's law and stress-strain curve with graph.	6	1	L1
	b	Derive the relation between Young's modulus (Y), Rigidity modulus (η) and Poisson's ratio (σ).	8	1	L3
	c	The ratio of young's modulus and rigidity modulus of gold is 2.848. Calculate the Poisson's ratio of gold.	6	1	L3
MODULE – 3					
Q5	a	Explain Fiber optic displacement sensor.	6	2	L2
	b	Describe the principle, construction and working of semiconductor diode laser with suitable diagrams.	8	2	L2
	c	Calculate the fractional initial intensity that remains after 2km and 6km. If the attenuation of light in an optical fiber is estimated at 2.2dB/km.	6	2	L3
OR					
Q6	a	Explain LIDAR.	6	2	L2
	b	Explain the Ray propagation, angle of acceptance and derive the expression for numerical aperture of an optical fiber.	8	2	L2
	c	The transition to the ground state from the higher and lower energy states results in emission of photons of wavelength 6000Å and 7000Å respectively. Calculate the energy values of two energy levels in eV.	6	2	L3
MODULE – 4					
Q7	a	Explain the different forms of nanocomposites based on dimensionality	6	3	L2
	b	Describe the construction and working of transmission electron microscope with the help of a neat diagram.	8	3	L2
	c	Analyze the effect of peak broadening on crystallite size by applying the Scherrer equation. Using the given parameters—X-ray wavelength = 10 nm, peak width = 0.8° , peak position = 19° , and Scherrer constant $K = 0.94$. Determine the crystallite size of the cubic crystal and interpret how the peak width influences the result.	6	3	L4
OR					
Q8	a	Describe the basic parts used in the construction of an X-ray Photoelectron Spectroscope (XPS).	6	3	L2

2025 SCHEME

	b	With the help of a neat diagram. Describe the construction and working of Atomic Force Microscope	8	3	L2
	c	Investigate the correlation among interplanar spacing, diffraction angle, and wavelength using Bragg's law. For a crystal with an interplanar spacing of $3\text{\AA}$ and a glancing angle of 55° , determine the wavelength of X-rays diffracted in the first order and interpret how changes in the angle would affect the wavelength.	6	3	L4
MODULE – 5					
Q9	a	Discuss the classification of Earth quakes.	6	4	L2
	b	Apply the principles of disaster management to explain tsunami risk reduction measures and how engineering structures can be designed to withstand tsunami forces.	8	4	L3
	c	Analyze the relationship between earthquake magnitude and intensity, and determine the intensity of an earthquake with a magnitude of 8.5, assuming a given base intensity I_0 .	6	4	L4
OR					
Q10	a	Define landslide and describe the causes for landslides.	6	4	L2
	b	Explain how remote sensing techniques can be applied to detect and monitor forest fires. Illustrate your answer with suitable examples.	8	4	L3
	c	The intensity of one earthquake is 100 times greater than that of another. The magnitude of the stronger earthquake is 8.9 on the Richter scale. Using the logarithmic relationship between earthquake intensity and magnitude. Estimate the magnitude of the weaker earthquake and, Explain the steps taken and the logarithmic principle used in your calculation.	6	4	L4

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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE - JULY 2026**

Course:	APPLIED PHYSICS FOR EC STREAM		
Course Code:	1BPHYE102/202	Branch: ECE	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	What are matter waves and Mention any THREE characteristic properties of matter waves.	4	1	L1
	b	Derive equation for the time-independent one-dimensional Schrödinger wave equation for a particle moving in a potential field $V(x)$.	10	1	L3
	c	Calculate the de-Broglie wave length if a particle of mass $0.65 \text{ MeV}/c^2$ has Kinetic energy 120 eV . Where c is speed of light ($3 \times 10^8 \text{ m/s}$).	6	1	L3
OR					
Q2	a	Define phase velocity and group velocity? Mention their expressions.	4	1	L1
	b	Apply Schrödinger equation to obtain the allowed energy Eigen values and Eigen functions of a particle in a one dimensional box.	10	1	L3
	c	Using Heisenberg's uncertainty principle. Show that "Electrons cannot exist inside the nucleus."	6	1	L3
MODULE - 2					
Q3	a	Explain how radiation interact with matter.	6	2	L2
	b	Derive an expression for energy density of radiation in terms of Einstein coefficients. Why lasers in the UV region is more difficult to build than in visible region.	8	2	L2
	c	The ratio of population of two energy levels is 1.059×10^{-30} . Find the wavelength of light emitted by spontaneous emission at 330K .	6	2	L3
OR					
Q4	a	Discuss the various mechanisms through which attenuation takes place in optical fibers with suitable diagrams.	6	2	L2
	b	Describe the construction and working of CO_2 laser with the help of suitable diagram.	8	2	L2
	c	A laser operating at 632.8 nm emits 3.182×10^{16} photons per second. Calculate the output power of the laser if the input power is 100W . Also find the percentage power is converted into coherent light energy.	6	2	L3

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MODULE – 3					
Q5	a	Mention the postulates of Quantum Free Electron Theory (QFET).	4	3	L1
	b	Discuss the different types of polarization mechanisms in dielectrics.	10	3	L2
	c	Dielectric constant of sulphur is 3.4, assuming a cubic lattice for its structure, calculate the electronic polarization of sulphur given that density of sulphur 2.07gm/cc, atomic weight is 32.07.	6	3	L3
OR					
Q6	a	Define the following: Fermi energy, Fermi temperature, Fermi velocity and Fermi factor.	4	3	L1
	b	Derive an expression for Clausius Mosotti equation	10	3	L2
	c	Calculate the probability of occupation of an energy level using the Fermi factor at 0 (Zero) K.	6	3	L3
MODULE – 4					
Q7	a	State law of mass action and mention an expression for concentration of electrons in conduction band and holes concentration in valance band.	4	4	L1
	b	A semiconductor carries a current in the presence of a perpendicular magnetic field. Determine the Hall voltage and hall coefficient developed across the sample.	10	4	L3
	c	The electron concentration in N type semiconductor is $5 \times 10^{17} \text{m}^{-3}$. Estimate the conductivity of the material if the drift velocity of electron is 350m/s in an electric field of 1000 V/m.	6	4	L4
OR					
Q8	a	Define hall effect and hall co-efficient. Mention the significance of hall effect.	4	4	L1
	b	Deduce the relation between the Fermi energy and energy gap in intrinsic semiconductors.	10	4	L3
	c	The electron mobility and hole mobility of silicon are $0.17 \text{ m}^2/\text{Vs}$ and $0.035 \text{ m}^2/\text{Vs}$ respectively at room temperature. If the carries density is known to be $1.1 \times 10^{16}/\text{m}^3$. Estimate the electrical resistivity of silicon semiconductor.	6	4	L4
MODULE – 5					
Q9	a	Define Meissner's Effect and Critical Field. Mention an expression for Critical Field at temperature T in Kelvin.	4	4	L1
	b	Explain applications of superconductors in SQUID and MAGLEV vehicle.	10	4	L3
	c	Demonstrate experimentally and determine the Fermi energy and Fermi temperature of given copper conductor using following data density of copper is $8360 \text{ kg}/\text{m}^3$, area of the material wire $1.134 \times 10^{-7} \text{ m}^2$, slope of the graph drawn between resistance and temperature is $0.012 \Omega/\text{K}$ having length of copper wire is 3.6m	6	5	L4
OR					
Q10	a	Differentiate soft and hard magnetic materials.	4	4	L1
	b	Discuss the Types of Superconductors and explain BCS theory of superconductivity.	10	4	L3
	c	Demonstrate experimental setup and determine the wavelength of laser having grating constant $5.08 \times 10^{-5} \text{ m}$ and distance between source and screen is 100 cm and spacing between the two diffracted spots 2.53 cm for $n=1$.	6	5	L4



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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	APPLIED PHYSICS FOR ME STREAM		
Course Code:	1BPHYM102/202	Branches: ME, AE and AS	
Max Marks:	100	Duration:	03 Hours

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Page 1 of 2

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MODULE – 3					
Q5	a	Mention the applications of scanning electron microscope.	4	3	L1
	b	Explain the construction and working of Atomic Force Microscope with the help of neat diagram and mention the advantages.	10	3	L2
	c	Find the crystallite size, given the wavelength of X-rays is $1.54\text{\AA}$, the peak width 15.86° and Full width half maxima 0.42° . Given Scherer's constant $K=0.92$.	6	3	L3
OR					
Q6	a	Discuss the dimensionality of nano materials.	4	3	L1
	b	Explain the construction and working of X-ray diffractometer and mention the applications.	10	3	L2
	c	Calculate the wavelength of X rays for crystal size of 1.188×10^{-6} m, peak width is 0.5° and peak position is 30° for a cubic crystal. Given Scherer's constant $K=0.92$.	6	3	L3
MODULE – 4					
Q7	a	Define Simple Harmonic Motion (SHM) and mention the differential equation for SHM.	4	2	L1
	b	Define spring constant. Obtain an expression for equivalent force constant for two springs in series and parallel combination.	10	2	L2
	c	An automobile of mass 3000kg is supported by 4 equal shock absorbing springs. If executes under damped oscillations of period 0.9 second when bumped. Determine the value of force constant of the shock absorber and period of oscillation when four persons each of weight 80kg board the automobile.	6	2	L4
OR					
Q8	a	Enumerate the types of damping.	4	2	L1
	b	Explain the construction and working of Reddy's shock tube with a neat diagram. Mention any three applications of shock waves.	10	2	L2
	c	A mass of 0.5kg causes an extension of 0.03m in a spring and the system is set for oscillations. Determine the force constant of the spring, angular frequency and the time period of the resulting oscillations.	6	2	L4
MODULE – 5					
Q9	a	Explain the laws of thermoelectricity.	6	4	L1
	b	Obtain an expression for thermo emf in terms of T_1 and T_2	8	4	L2
	c	In a grating the laser light undergoes first order diffraction for diffracting angle 0.773° . Grating constant $d= 5 \times 10^{-5}\text{m}$ and the distance between the grating and screen is 1m. Determine the wavelength of light used in the experiment.	6	5	L4
OR					
Q10	a	Write a note on Thermo couple and thermopile.	6	4	L1
	b	Explain the construction and working of porous plug experiment.	8	4	L2
	c	Determine the inductance value of inductor in LCR circuit to obtain the resonance frequency of 4KHz with the capacitance of a capacitor is $0.009\mu\text{F}$.	6	5	L4

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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	APPLIED PHYSICS FOR CS STREAM		
Course Code:	1BPHYS102/202	Branches: CSE, ISE, AIML, CSD and AI&DS	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Use of Formula Handbook is Permitted.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	State Heisenberg's uncertainty principle and Mention the Physical significance.	4	1	L1
	b	Define wave function and derive an expression for one dimensional time independent Schrodinger's wave equation.	10	1	L3
	c	Calculate the de Broglie wavelength of Helium nucleus accelerated to potential difference of 500V, given Mass of proton (m_p)= Mass of neutron $m_n= 1.67 \times 10^{-27}$ kg.	6	1	L3
OR					
Q2	a	State de Broglie hypothesis and mention its Physical significance.	4	1	L1
	b	Solve the Schrodinger wave equation to obtain the eigen values and eigen functions for a particle in one dimensional potential well of infinite height.	10	1	L3
	c	Calculate the speed of an electron, which is accurate to 2%. If the minimum width about which the electron stays confined in the atom is $0.9\text{\AA}$.	6	1	L3
MODULE - 2					
Q3	a	Discuss the interactions of radiation with matter.	6	2	L2
	b	Define acceptance angle, Discuss the ray propagation mechanism of optical fibers and hence derive an expression for Numerical aperture.	8	2	L3
	c	A laser beam of power 10mJ/s and 20mJ/s are emitted with wavelength 689nm and 668nm respectively. Calculate the number of photons emitted per second in each case.	6	2	L3
OR					
Q4	a	What is attenuation? And discuss the different types of attenuation in an optical fiber.	6	2	L2
	b	Derive an expression for energy density at thermal equilibrium in terms of Einstein coefficients.	8	2	L3
	c	In a step index optical fiber with core diameter $60\mu\text{m}$ and core and cladding refractive indices as 1.50 and 1.48 respectively, when the wavelength of 850nm is propagating through it calculate the numerical aperture, relative refractive index difference, fractional index change, V parameter and number of modes in the fiber.	6	2	L3

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MODULE – 3					
Q5	a	Explain the assumptions of Quantum free electron theory.	4	3	L2
	b	Explain Hall effect, obtain the expression for Hall coefficient and express Hall Voltage in terms of Hall coefficient.	10	3	L3
	c	Calculate the probability that an energy level at 0.2eV below Fermi level is occupied at temperature 400K and 600K.	6	3	L3
OR					
Q6	a	Explain the existence of fermi level in intrinsic and extrinsic semiconductor.	4	3	L2
	b	Define Fermi energy, Fermi factor and explain the dependence of Fermi factor on temperature.	10	3	L3
	c	The Hall coefficient of a material is $-3.68 \times 10^{-5} \text{ m}^3/\text{C}$. Identify the type of charge carriers and calculate carrier concentration.	6	3	L3
MODULE – 4					
Q7	a	Write a note on BCS theory of superconductivity.	4	3	L2
	b	Explain the Temperature dependence of resistivity of a superconductor. Categorize the types of Superconductors using M-H graphs.	10	3	L2
	c	A sample of superconducting tin has a critical temperature of 3.7 K in the absence of a magnetic field and a critical magnetic field of 0.0306 T at absolute zero. Using the mathematical dependence of critical field on temperature, analyze and determine the critical magnetic field at 2 K.	6	5	L4
OR					
Q8	a	Write a note on high temperature superconductors.	4	3	L2
	b	Explain the working of Squids and Maglev vehicle with suitable diagrams.	10	3	L2
	c	Lead is a Type-I superconductor with a transition temperature of 7.26 K and a critical magnetic field of $50 \times 10^3 \text{ Am}^{-1}$ at absolute zero. Using the temperature-dependent critical field relation for superconductors, analyze how the critical field varies with temperature and determine its value at 6 K.	6	5	L4
MODULE – 5					
Q9	a	Describe a qubit and it's geometrical representation by using Bloch Sphere.	4	4	L2
	b	Discuss the Pauli X, Y, Z and T gates and their operations on quantum states.	8	4	L3
	c	Prove that $\langle \Psi \Phi \rangle = \langle \Phi \Psi \rangle^*$, Given $ \Psi\rangle = \begin{pmatrix} \alpha_1 \\ \alpha_2 \end{pmatrix}$ and $ \Phi\rangle = \begin{pmatrix} \beta_1 \\ \beta_2 \end{pmatrix}$	8	4	L3
OR					
Q10	a	Explain the differences between classical and quantum computing.	4	4	L2
	b	A Linear Operator 'X', 'Y' and 'Z' operates such that $X 0\rangle = 1\rangle$, $X 1\rangle = 0\rangle$, $Y 0\rangle = i 1\rangle$ and $Y 1\rangle = -i 0\rangle$, $Z 0\rangle = 0\rangle$ and $Z 1\rangle = - 1\rangle$ Find the matrix representation of 'X' 'Y' and 'Z'.	8	4	L3
	c	Prove that Hadamard Gate, S gate are unitary and show the relation between SWAP gate and CNOT gate.	8	4	L3

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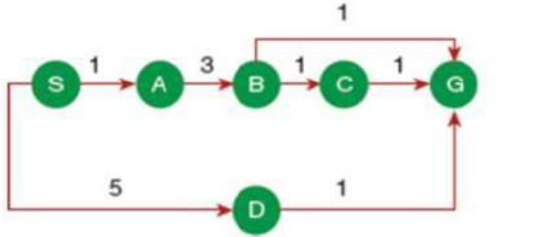
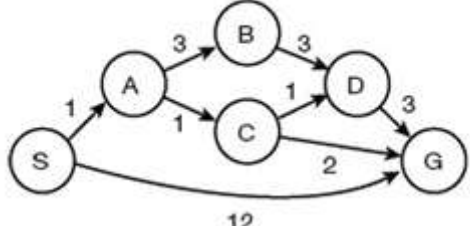
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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE - JULY 2026**

Course:	INTRODUCTION TO AI AND APPLICATIONS		
Course Code:	1BAIA103	Branches: Common to All Branches	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	What is Artificial Intelligence (AI)? Describe the three main skills on which AI focuses.	6	1	L2
	b	With a neat sketch, explain the types of AI based on capabilities and functionalities with suitable examples.	8	1	L2
	c	Apply Uniform Cost Search for the given graph in fig.1(c) to find the Cheapest path from source S to destination G.  Fig. Q1(c)	6	1	L3
OR					
Q2	a	Illustrate and explain the key components of a learning agent using a diagram.	6	1	L2
	b	With a neat diagram, explain the working principles of any two agents.	8	1	L2
	c	Explain the Uniform Cost Search technique; Apply the same to the given Graph in Fig 2(c) to find the cheapest path from source node S to the destination node G.  Fig.Q2(c)	6	1	L3
MODULE - 2					
Q3	a	Explain the types of writing prompts.	6	2	L2

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	b	Illustrate how different prompt techniques can be applied to improve the performance of LLMs in real-world tasks with an example.	6	2	L2																			
	c	Describe the practical strategies used to ignite the writing process with prompts.	8	2	L3																			
OR																								
Q4	a	Illustrate the types of prompts with an example.	6	2	L2																			
	b	Explain the working principles of prompt engineering.	6	2	L2																			
	c	Describe the categories of prompts in the Prompt Gallery and apply the same to show they support different NLP tasks.	8	2	L3																			
MODULE – 3																								
Q5	a	Illustrate the various Sub-domains of AI.	6	3	L2																			
	b	Explain the working principle of linear regression in machine learning	6	3	L2																			
	c	Apply a suitable regression technique to construct a model that predicts salary based on years of experience using the following dataset. <table><tr><td>Experience (Years)</td><td>Salary (Thousands USD)</td></tr><tr><td>1</td><td>40</td></tr><tr><td>2</td><td>42</td></tr><tr><td>3</td><td>45</td></tr><tr><td>4</td><td>50</td></tr><tr><td>5</td><td>53</td></tr><tr><td>6</td><td>58</td></tr><tr><td>7</td><td>60</td></tr></table>	Experience (Years)	Salary (Thousands USD)	1	40	2	42	3	45	4	50	5	53	6	58	7	60	8	3	L3			
Experience (Years)	Salary (Thousands USD)																							
1	40																							
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7	60																							
OR																								
Q6	a	Differentiate between supervised and unsupervised learning with examples	6	3	L2																			
	b	Define Machine Learning (ML) and differentiate between regression and classification approaches.	6	3	L2																			
	c	Analyze the given dataset to determine whether regression or classification is the appropriate predictive technique, and justify your selection with logical reasoning. <table><tr><td>Patient ID</td><td>Age</td><td>Symptoms Severity Score</td><td>Diagnosis</td></tr><tr><td>1</td><td>45</td><td>60</td><td>Disease</td></tr><tr><td>2</td><td>32</td><td>20</td><td>No Disease</td></tr><tr><td>3</td><td>50</td><td>55</td><td>Disease</td></tr><tr><td>4</td><td>28</td><td>10</td><td>No Disease</td></tr></table>	Patient ID	Age	Symptoms Severity Score	Diagnosis	1	45	60	Disease	2	32	20	No Disease	3	50	55	Disease	4	28	10	No Disease	8	3
Patient ID	Age	Symptoms Severity Score	Diagnosis																					
1	45	60	Disease																					
2	32	20	No Disease																					
3	50	55	Disease																					
4	28	10	No Disease																					

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MODULE – 4					
Q7	a	Explain the components of an Expert System with a neat diagram.	6	4	L2
	b	Identify the trade-offs between efficiency and security in large- scale (Artificial Intelligence in IoT) AIoT systems.	6	4	L3
	c	Analyze the societal, economic, and industrial implications of large-scale AIoT adoption in automation-driven industries.	8	4	L4
OR					
Q8	a	Illustrate the recent trends in AI.	6	4	L2
	b	Interpret the ethical concerns associated with bias in AI models arising from unbalanced or prejudiced training datasets.	6	4	L3
	c	Analyze how organizations can promote the development and use of ethical and trustworthy AI Systems.	8	4	L4
MODULE – 5					
Q9	a	Interpret the types of AI techniques used in Robotics.	6	5	L2
	b	Differentiate between No-Code AI and Low-Code AI.	6	5	L2
	c	Analyze the role of AI in advancing multidisciplinary research and collaboration.	8	5	L4
OR					
Q10	a	Interpret the role of AI in optimizing retail inventory and enhancing customer experience.	6	5	L2
	b	Apply AI concepts to develop a personalized learning model in education.	6	5	L3
	c	Analyze the ethical and privacy implications associated with the deployment of AI in healthcare and finance.	8	5	L4

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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	FUNDAMENTALS OF ELECTRICAL ENGINEERING		
Course Code:	1BESC104B/204B	Branch: CSE, ISE, AIML, CSD, AI&DS and ECE	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.
3. Formula Handbook is Permitted.

Q. No.		MODULE – 1	Marks	CO	RBTL
Q1	a	State Kirchhoff's laws for DC circuits, Illustrates with an example	6	1	L1
	b	With a neat Sketch, Explain the function of following parts of D.C machine. i) Yoke ii) Field winding iii) Commutator iv) Pole shoe v) Pole core vi) Brush	8	1	L2
	c	A circuit consists of two parallel resistors having resistances of 20Ω and 30Ω respectively. Connected in series with a 15Ω resistor. If the current through 15Ω resistor is 3A find i)The currents in 20Ω and 30Ω resistors. ii) The voltage across the whole circuit. iii)The total power consumed in all resistors	6	3	L3
OR					
Q2	a	State ohm's law and mention the limitations of ohm's law.	6	1	L1
	b	Define Back EMF in a D.C motor. Examine its significance with relevant equations.	8	1	L2
	c	The armature of a 4-pole shunt motor has a lap winding accommodated in 60 slots each containing 20 conductors. If the useful flux per pole is 23mwb. Calculate the total torque developed. When the armature is current in 50A.	6	3	L3
MODULE – 2					
Q3	a	Relate the following terms with respect to a sinusoidal waveform: i) Form factor, ii) Peak factor, iii) Instantaneous value iv) Frequency. v) Cycle vi) Amplitude	6	1	L1
	b	Derive the Average value of an AC quantity.	8	3	L3
	c	Analyse the given series circuit consisting of a 20Ω resistor and a $0.05H$ inductor, connected to a 230V supply at 50Hz. Perform the following. i) Calculate the current flowing through the circuit. ii) Determine the power factor and the power consumed by the circuit. iii) Construct and explain the vector diagram illustrating the phase relationships between voltage and current in the circuit.	6	3	L3

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OR					
Q4	a	Define real power and Apparent power with example.	6	1	L1
	b	Prove that the average power consumed in a pure inductor is zero by analyzing the voltage and current waveforms	8	3	L3
	c	A coil of resistance 10Ω and inductance $0.1H$ is connected in series with a $150\mu F$ capacitor across a $220V, 50Hz$ supply. Solve for the voltage across the coil and capacitor respectively	6	3	L3
MODULE - 3					
Q5	a	Explain the advantages of three phase systems over single phase systems.	4	4	L1
	b	Derive the power consumed in 3 phase circuit using two wattmeter method.	10	4	L3
	c	Three similar coils each having a Resistance of 10Ω & Reactance of 8Ω are connected in Star across $400V$, 3-phase supply. Determine, (i) Line Current (ii) Total Power (iii) Reading of each of the two-watt meters connected to measure Power.	6	3	L3
OR					
Q6	a	What is a three-phase system, and how does it differ from a single-phase system?	4	4	L1
	b	Obtain the relationship between line and phase voltages and currents in a three-phase balanced star connected system	10	4	L3
	c	Three equal impedances each having a resistance of 8Ω and inductive reactance of 6Ω are connected in delta across a $3\text{ phase } 440V$ system find i) Phase current ii) line current iii) Total power	6	3	L3
MODULE - 4					
Q7	a	Define Transformer. Describe the working principle of a Transformer.	4	1	L2
	b	A 10 kVA transformer has copper losses of 400 W and core losses of 200 W . Analyze its efficiency at full-load and half-load conditions for a 0.8 lagging power factor.	10	3	L3
	c	Define slip and slip speed. Obtain an expression for the frequency of rotor current in an induction motor.	6	3	L3
OR					
Q8	a	What are the constructional features of a Squirrel Cage Rotor?	4	1	L2
	b	A single phase 20KVA transformer has 1000 turns and 2500 secondary turns, the net cross section area of the core is 100cm^2 . When the primary winding is connected to $500V$, $50Hz$ supply. Calculate the following, (i) the maximum value of the flux density in the core (ii) the voltage induced in the secondary winding (iii) the primary and secondary full load currents.	10	3	L3
	c	A three phase, 4 pole, $400V$ and 50 Hz Induction motor which runs with a speed of 1440 rpm . Calculate its Slip.	6	3	L3

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MODULE – 5					
Q9	a	Mention the advantages of Eclectic vehicles.	4	2	L1
	b	Draw and explain the block diagram of an Electric Vehicle system. Describe the function of each block.	10	2	L2
	c	Analyze the two-way control of a load by explaining the circuit diagrams and switching tables. Provide a clear explanation of the operation and how switching combinations affect the load's status.	6	2	L4
OR					
Q10	a	What is earthing? Mention the necessity of earthing.	4	2	L1
	b	Explain pipe and plate earthing.	10	2	L2
	c	Analyze the three-way control of a load by explaining the circuit diagrams and switching tables. Provide a clear explanation of the operation and how switching combinations affect the load's status.	6	2	L4



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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE – JULY 2026**

Course:	INTRODUCTION TO ELECTRONICS AND COMMUNICATION		
Course Code:	1BESC104C/204C	Branches: CSE, ISE, AIML, CSD, AI&DS, AE & AS	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.

Q. No.	MODULE - 1		Marks	CO	RBTL
Q1	a	What are the different types of amplifiers and explain any two.	4	1	L1
	b	Draw the block diagram of regulated power supply and explain the functions of each block in detail.	10	1	L2
	c	Compute the overall gain of negative feedback amplifier with a suitable block diagram	6	2	L3
OR					
Q2	a	Define the Following with respect to the amplifier i) Gain ii) Bandwidth	4	1	L1
	b	Explain the bi-phase Full Wave rectifier using center tapped transformer with input and output waveform.	10	1	L2
	c	Make use of Zener diode as voltage regulator and find the series resistance.	6	2	L3
MODULE - 2					
Q3	a	What are the ideal and practical characteristics of Op-Amp?	4	1	L1
	b	Explain the op-amp based Differentiator and Integrator with the input and output waveform.	10	1	L2
	c	For the following given data compute the summing amplifier output voltage where $R_f = 10K\Omega$, $R_1 = 1K\Omega$, $R_2 = 2K\Omega$, $R_3 = 3K\Omega$ with $V_1 = 2V$, $V_2 = 4V$, $V_3 = 6V$	6	2	L3
OR					
Q4	a	What is a Oscillator? List the conditions for sustained oscillations.	4	1	L1
	b	Explain the 3-stage ladder RC Network oscillator with a neat circuit diagram	10	1	L2
	c	Determine the periodic time and frequency of the output Signal produced by the Astable Multivibrator for the following specification $R_F = 100K\Omega$, $C = 220nF$, $R_1 = 1K\Omega$, $R_2 = 470\Omega$, $+VCC = 10V$ & $-VCC = 10V$	6	2	L3

2025 SCHEME

MODULE – 3					
Q5	a	Write the symbol and truth table for 2 input NAND, NOR, and XOR	6	2	L2
	b	Convert the following numbers to its equivalent number and show the steps. i) $(1010001101011.1110010)_2 = (?)_8$ ii) $(0110.011)_2 = (?)_{10}$ iii) $(FACE.DAD)_{16} = (?)_8$ iv) $(4981.6875)_{10} = (?)_2$	8	2	L3
	c	Simplify the following Boolean expression using Boolean theorem i) $(X + Y)(X + Z)$ ii) $XY + XZ + YZ'$	6	2	L3
OR					
Q6	a	State and prove De Morgan's theorem with its truth table	6	2	L2
	b	Construct the RS-Flip Flop using NOR based RS latch and Explain the Operation using truth table.	8	2	L3
	c	Construct full adder circuit using two half adder with its truth table and write the expressions for sum and carry	6	2	L3
MODULE – 4					
Q7	a	Discuss the Major applications areas of embedded systems with an example	6	3	L2
	b	Define Embedded Systems. Classify embedded systems based on the generation of Complexity and performance requirements	8	3	L2
	c	Compare Microprocessor and Microcontroller	6	3	L4
OR					
Q8	a	Explain the elements of the embedded system with a neat block diagram.	6	3	L2
	b	Explain the operation of washing machine and draw its diagram and mentions its parts	8	3	L2
	c	Compare RISC and CISC Processor	6	3	L4
MODULE – 5					
Q9	a	Define modulation. Discuss the need for modulation	4	4	L1
	b	Explain the Modern communication system with a neat block diagram	10	4	L2
	c	Distinguish Amplitude Modulation (AM) and Frequency Modulation (FM) with a neat sketch	6	4	L4
OR					
Q10	a	Define Communication Channel? and explain the various type of channels with an example	4	4	L1
	b	Explain the following with the help of waveform (i) ASK (ii) FSK (iii) PSK	10	4	L2
	c	Analyze the advantages of Digital communication over analog communication	6	4	L4



SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE – JULY 2026

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.

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MODULE – 3					
Q5	a	Illustrate the working and purpose of Tier-1, Tier-2, and Access ISPs in networking.	6	2	L2
	b	Demonstrate how FTP, SMTP, HTTP and Internet Multimedia Streaming are used in computer networks.	8	3	L2
	c	Make use of best practices to be followed to keep passwords safe and secure as part of good cyber hygiene.	6	5	L3
OR					
Q6	a	Summarize the role of router, switch and access point in computer networks.	6	2	L2
	b	Define a Distributed system. Summarize the Cluster computing, Grid computing and Cloud computing.	8	3	L2
	c	Make use of ownership rules that helps to prevent misuse of digital content? Describe five rules.	6	5	L3
MODULE – 4					
Q7	a	Explain the four stages of the traditional software development life cycle.	6	3	L2
	b	Develop a query to insert the record into the table Employee (Id, Name, gender, age, salary) and explain any three relational database operations	8	4	L3
	c	Categorize the conceptual layers of a database implementation with a neat diagram	6	4	L4
OR					
Q8	a	Contrast Waterfall model and Iterative model	6	3	L2
	b	Apply the role of Unified Modelling Language (UML) in software engineering. Develop use case diagram for Hospital Management System.	8	4	L3
	c	Inference the two types of database model	6	4	L4
MODULE – 5					
Q9	a	Explain 3D graphics paradigm with a neat diagram	6	3	L2
	b	Classify the differences between 2D graphics and 3D graphics.	8	3	L2
	c	Examine your understanding of HTML tags to demonstrate how images and hyperlinks can be added to a webpage, using suitable examples.	6	3	L4
OR					
Q10	a	Discuss the importance of folder structure in linking images and style sheets in HTML.	6	3	L2
	b	List and explain the different HTML elements.	8	3	L2
	c	Categorize the importance of CSS in modern Web design. Develop a CSS to have page background color 'light blue', Heading-1 with color 'white' with text alignment to center and paragraph with font family 'verdana' with font size of 20px.	6	3	L4

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SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	ELEMENTS OF AERONAUTICAL ENGINEERING			
Course Code:	1BEAE205	Branches: AE & AS		
Max Marks:	100	Duration:	03 Hours	

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	State the different types of orbital shapes based on eccentricity.	6	1	L2
	b	Justify, whether eVTOL aircraft under Advanced Air Mobility can realistically replace helicopters in urban environments. Consider noise, energy density, and certification challenges.	8	1	L2
	c	Describe the role of a "Loyal Wingman" UAV when operating together with a manned fighter aircraft.	6	1	L3
OR					
Q2	a	Summarize the historical contributions of the Wright brothers towards aviation.	6	1	L2
	b	An ejection seat is fired from an aircraft with a velocity of 50 m/s at an angle of 60° above the horizontal. Calculate: i) Maximum height reached by the seat ii) Time taken to reach the maximum height iii) Horizontal distance traveled before landing	8	1	L2
	c	Air flows over a wing at 60m/s and below the wing at 50 m/s. If air density is 1.225 kg/m ³ , calculate pressure difference using Bernoulli equation.	6	1	L3
MODULE - 2					
Q3	a	Compare symmetric and cambered airfoils in terms of lift generation along with curves	6	2	L2
	b	Elucidate primary and secondary control surfaces with suitable diagrams.	8	2	L2
	c	Apply Bernoulli's theorem to show how lift is generated on a NACA airfoil.	6	2	L3
OR					
Q4	a	Describe NACA airfoil nomenclature with a neat sketch.	6	2	L2

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	b	An aircraft flies at an altitude of 30,000 feet. Determine the air temperature in [K], air pressure in [Pa] and air density in [kg/m ³] at this altitude, according to the standard atmosphere.	8	2	L2
	c	An aircraft has a weight of 24,000 N, a wing area of 18m ² , a maximum lift coefficient of 1.5, and is flying in air with a density of 1.225 kg/m ³ . Determine the stall speed of the aircraft.	6	2	L3
MODULE – 3					
Q5	a	An Airbus A380 fuselage is designed using semi-monocoque construction to withstand combined loading conditions. Explain how structural elements work together to distribute loads efficiently, using a schematic diagram.	6	3	L2
	b	List the various tests conducted on wing and fuselage structures to ensure safe aircraft operation.	8	3	L2
	c	Analyze how lift, drag, and weight induce bending and shear stresses in a wing, and identify where maximum stress occurs with justification.	6	3	L3
OR					
Q6	a	Describe the components of an Empennage and classify its types.	6	3	L2
	b	Explain the importance of a high strength-to-weight ratio in aircraft materials with examples.	8	3	L2
	c	Examine required material properties for aerospace components under high temperature, cyclic loading, and corrosion, and justify a suitable material.	6	3	L3
MODULE – 4					
Q7	a	Explain the concept of RISE (Revolutionary Innovation for Sustainable Engines) and its expected impact on fuel efficiency and emissions.	6	4	L2
	b	Differentiate propulsion architectures of SpaceX, ISRO, and NASA reusable launch vehicles.	8	4	L3
	c	Compare the performance characteristics of turbofan and turbojet engines, and justify their suitability for different flight conditions.	6	4	L4
OR					
Q8	a	Given mission requirements for a satellite launch, choose between solid and liquid propulsion and justify technically.	6	4	L2
	b	Examine the propulsion concepts of the Airbus ZEROe project and evaluate the feasibility of hydrogen propulsion in aviation.	8	4	L3
	c	Evaluate the benefits and challenges of using AI in aircraft engine development and performance monitoring.	6	4	L4
MODULE – 5					
Q9	a	Outline the working of an continuous flow oxygen system in commercial aircraft with neat diagram for high-altitude military aircraft.	6	5	L2

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	b	Infer and illustrate the main components of an aircraft hydraulic system, and analyze their working principle in the operation of aircraft subsystems.	8	5	L3
	c	Analyze the competitive strategies of Airbus and Boeing in commercial aircraft innovation and sustainability.	6	5	L4
OR					
Q10	a	Discuss how artificial intelligence can enhance future FBW systems.	6	5	L2
	b	An aircraft is flying through icing conditions at high altitude. Recommend a suitable icing protection system and justify your choice.	8	5	L3
	c	Evaluate how initiatives like IN-SPACE and iDEX can accelerate India's aerospace startup ecosystem.	6	5	L4



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SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE - JULY 2026**

Course:	FUNDAMENTALS OF ELECTRONICS & COMMUNICATION ENGINEERING			
Course Code:	1BECE205	Branch: ECE		
Max Marks:	100	Duration:	03 Hours	

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	Define rectification and list its various types.	4	1	L1
	b	Outline the forward and reverse bias characteristics of a silicon diode.	8	1	L2
	c	The input of a Half-wave rectifier is $V = 200 \sin 40 t$. If $R_L = 1 \text{Kohm}$, and the forward resistance of the diode is 30 ohm, determine (i) the DC through the diode, (ii) the ac value of current in the circuit, (iii) DC output voltage, (iv) DC power input, (v) the Rectifier efficiency.	8	2	L3
OR					
Q2	a	Mention the applications of diodes.	4	1	L1
	b	Differentiate between a Half-Wave Rectifier and a Full Wave Rectifier.	8	1	L2
	c	In a half-wave rectifier circuit, a diode with a forward voltage drop of 0.7V is used, and the secondary RMS voltage is 22V. The load resistance is 500Ω. Calculate the peak output voltage and peak load current.	8	2	L3
MODULE - 2					
Q3	a	List the differences between FETs and BJTs.	4	1	L1
	b	Analyse the input and output characteristics of a transistor in common-emitter configuration.	8	2	L3
	c	Determine the I_C and I_E for a transistor with $\alpha_{dc} = 0.98$ and $I_B = 100 \mu A$. Also, determine the value of β_{dc} (or h_{FE}) for the transistor.	8	2	L4
OR					
Q4	a	Mention the applications of transistors.	4	1	L1
	b	Discuss the DC load-line analysis of the common emitter configuration	8	2	L3
	c	Determine the effect of gate-source voltage on JFET characteristics.	8	2	L4
MODULE - 3					
Q5	a	List the ideal characteristics of an OP-AMP.	4	2	L1

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	b	Explain the following op-amp parameters: i) Gain, ii) CMRR, iii) input resistance, iv) output resistance.	8	2	L2
	c	Design an inverting amplifier with an input resistance of 30 Kohm and a closed-loop gain of -10. Draw the necessary circuit, waveform and input of 5V _{P-P} Sine Wave.	8	3	L4
OR					
Q6	a	Identify any four applications of an Op-Amp.	4	3	L1
	b	Describe the working principle of a Non- inverting amplifier.	8	3	L2
	c	A Design a summer circuit using an op-amp to get the following output voltage $V_o = -(2V_1 + 2V_2)$	8	3	L4
MODULE - 4					
Q7	a	List the different types of communication channels used in modern communication systems.	4	4	L1
	b	Explain the concept of Amplitude Modulation with the help of waveforms.	8	4	L2
	c	An FM transmitter operates at a frequency of 99.5 MHz with a maximum deviation of 75 kHz and a modulation index of 5.0. Calculate the bandwidth of the FM signal using Carson's Rule.	8	5	L3
OR					
Q8	a	Define noise and lists the effects of channel noise.	4	4	L1
	b	Explain the need for Modulation and classify its types.	8	4	L2
	c	Given an AM signal with a carrier frequency of 100 MHz, a carrier power of 50 W, and a modulation index of 0.6. Calculate the total power in the AM signal. Explain how the power is distributed between the carrier and sidebands	8	5	L3
MODULE - 5					
Q9	a	Write the Symbols and the truth table of i) AND gate iii) NAND gate	4	1	L1
	b	Describe Full adder with neat logic diagram , truth table and necessary Boolean expression	8	5	L3
	c	Convert the following: i) $(110.1101)_2 = (?)_{10}$ ii) $(847.951)_{10} = (?)_8$ iii) $(CAD.BF)_{16} = (?)_{10}$ iv) $(172.625)_{10} = (?)_2$	8	1	L3
OR					
Q10	a	Write the Symbols and the truth table of i) OR gate iii) XOR gate	4	1	L1
	b	Implement basic gates and XOR gate using NAND gate.	8	5	L3
	c	Simplify the following: i) $xv + x'z + vz$ ii) $Y = (A + \overline{B} + \overline{B})(A + \overline{B} + C)$ iii) $Y = C (B+C) (A+B+C)$	8	1	L3

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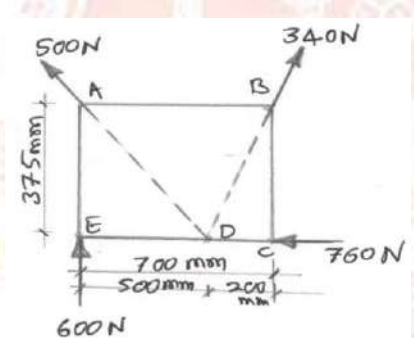
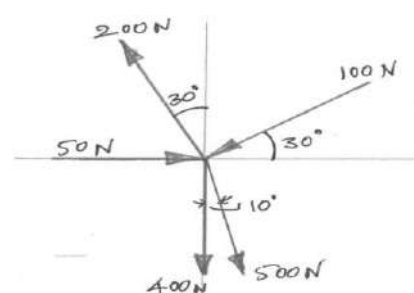
SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	ENGINEERING MECHANICS		
Course Code:	1BEMC205	Branch: CV	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.

Q. No.	MODULE - 1	Marks	CO	RBTL
Q1	a Define the principle of transmissibility of force system	4	1	L1
	b Explain the classification of force system	6	1	L2
	c Four forces act on a 700mmx375mm plate Fig.Q1(c) . Find the resultant of these forces and Locate the point where the line of action of the resultant intersects the edge AB, of the plate  Fig.Q1(c)	10	1	L3
OR				
Q2	a Define the following: i) Equilibrant ii) Moment	4	1	L1
	b State and Prove Varignon's theorem of moments	6	1	L2
	c Determine the resultant ,position and direction of the system of forces shown in Fig.Q2(c)  Fig.Q2(c)	10	1	L3

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MODULE - 2

MODULE - 2					
Q3	a	Explain the Lami's theorem	4	2	L2
	b	Determine the reactions developed in the Cantilever beam show in Fig.Q3(b)	6	2	L3
	c	The cylinders P and Q weigh 600N and 900N. The corresponding radius are 200mm and 150mm and are shown in Fig.Q3(c). Determine the reactions of A,B,C and D	10	2	L3
OR					
Q4	a	Explain the difference between 'determinate and indeterminate structure with an example for each	4	2	L2
	b	A simply beam is subjected to a UDL of 10 kN/m over its entire span of 4 m. Find the support reactions.	6	2	L3
	c	Determine the Tensions in the cable for the Fig.Q4(c)	10	2	L3
MODULE - 3					
Q5	a	Define the term: i) Angle of Friction ii) Cone of friction	4	3	L1
	b	Explain the Mechanism of friction	6	3	L2
	c	A System consisting of two blocks connected by a cable is as shown in Fig.Q5(c) the masses of block A and block B are 150N and 500N respectively. Determine the magnitudes of minimum force (F) and its inclination(θ) with	10	3	L4

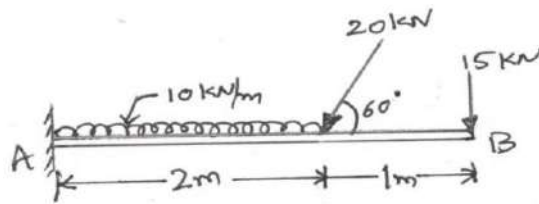


Fig.Q3(b)

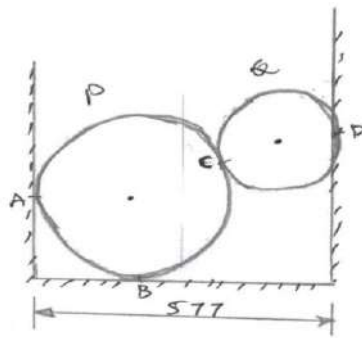


Fig.Q3(c)

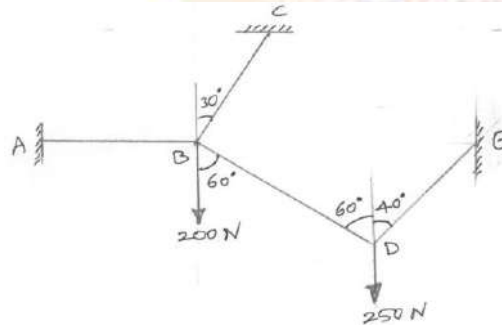


Fig.Q4(c)

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reference to the horizontal to be applied on block B. The blocks have impending motion towards the right. Take the coefficient of friction at all the contact surfaces to be 0.28

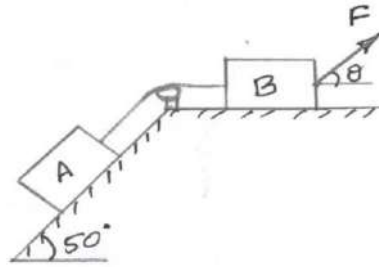
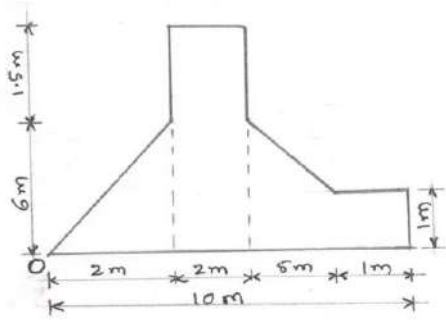
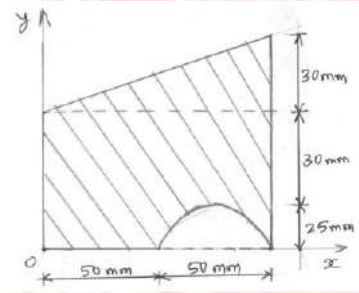
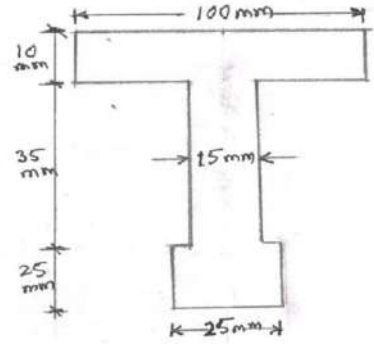


Fig.Q5(c)

OR

Q6	a	Define the term: i) Coefficient of friction ii) Limiting Friction	4	3	L1
	b	Explain the laws of dry friction	6	3	L2
	c	A ladder 6 m long and 260 N mass is supported against the ground and wall as shown in Fig.Q6(c). If a man of 750 N mass climbs to the top of the ladder, determine (i) Magnitude of force F to be applied at the ground level to prevent slipping (ii) Inclination with reference to the ground at which the ladder is to be placed to prevent slipping, when the force F is not applied. Take $\mu=0.24$ at all the contact surfaces. Fig.Q6(c)	10	3	L4
MODULE - 4					
Q7	a	Define the term i) Centroid ii) Axis of reference	4	4	L1
	b	Derive the position of centroid for a triangle by the first principle	6	4	L2
	c	Determine the position of centroid of the lamina with circular cutout as shown in Fig.7(c) Fig.Q7(c)	10	4	L3
OR					

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Q8	a	Write the difference between centroid and center of gravity	4	4	L1
	b	Derive the centroid for sector of circle by the method of Integration	6	4	L2
	c	Locate the centroid of the composite area shown in Fig.Q8(c) with respect to point 'o'  Fig.Q8(c)	10	4	L3
MODULE - 5					
Q9	a	Explain perpendicular axis theorem	4	5	L2
	b	Derive the expression for the moment of inertia of Circle about its centroid axis	6	5	L3
	c	Calculate the moment of inertial of the section shown in Fig.Q9(c) about the horizontal centroidal axis  Fig.Q9(c)	10	5	L4
OR					
Q10	a	State and Prove parallel axis theorem	4	5	L2
	b	Derive the expression for the moment of Inertia of Triangle about its centroid axis	6	5	L3
	c	For the cross section shown in Fig.Q10(c), calculate the MI about the top edge of the horizontal axis. Also determine the radius of gyration.  Fig.Q10(c)	10	5	L4

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SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE - JULY 2026**

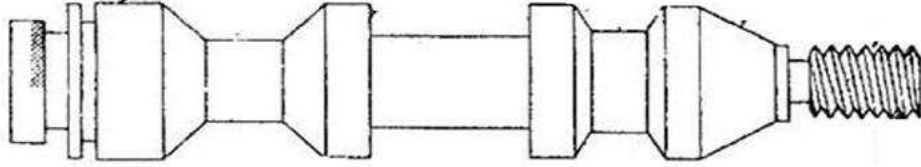
Course:	ELEMENTS OF MECHANICAL ENGINEERING		
Course Code:	1BEME205	Branch: ME	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.

Q. No.		MODULE - 1	Marks	CO	RBTL
Q1	a	Define Engineering materials. Explain the broad classification of Engineering materials.	6	1	L2
	b	Enumerate the classification of composite materials and discuss its advantages and disadvantages.	8	1	L2
	c	Identify the different types of steels by varying percentage of carbon content in the steel and explain.	6	1	L3
OR					
Q2	a	List and explain important mechanical properties of engineering materials.	6	1	L2
	b	Explain the constituents of composite materials and their functions.	8	1	L2
	c	Compare the applications of piezoelectric materials and MR fluids in aerospace engineering	6	1	L3
MODULE - 2					
Q3	a	Explain the concepts of work, heat, and energy in thermodynamics with suitable examples.	6	2	L2
	b	Describe the three modes of heat transfer: conduction, convection, and radiation.	8	2	L2
	c	Apply the properties of steam in the working of steam power plants.	6	2	L3
OR					
Q4	a	Define a four-stroke engine. Discuss the working principle of Otto cycle engine with PV diagram.	6	2	L2
	b	Explain the working principle of two-stroke and four-stroke engines (SI and CI engines).	8	2	L2
	c	Illustrate the working of Hybrid vehicles with their components.	6	2	L3
MODULE - 3					
Q5	a	Describe the working principle of a drilling machine and explain its common operations.	6	3	L2
	b	Explain how taper turning is performed using the compound rest in a lathe machine.	8	3	L3
	c	Examine the arc welding process with the help of a neat sketch and analyze how heat generation leads to metal joining.	6	3	L4

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OR					
Q6	a	Elucidate the working principle of milling machine with appropriate sketch with its specifications.	6	3	L2
	b	Illustrate the applications of common lathe and milling operations in practical machining tasks.	8	3	L3
		Identify any three operations which are carried out on the following machine element (Refer Fig) and explain those operations.  Fig. Q.6(c)	6	3	L4
MODULE - 4					
Q7	a	Explain the working principle of open belt drive and cross belt drive with neat sketches.	6	4	L2
	b	Discuss the working principle of tactile, force, proximity, and vision sensors used in robotic applications.	8	4	L3
	c	Describe the arrangement of gears in a compound gear train and also explain the role of intermediate gears in a compound gear train.	6	4	L4
OR					
Q8	a	Describe the different types of gears used in gear drives with suitable examples.	6	4	L2
	b	Draw a neat labelled sketch of a spur gear tooth and indicate all important terminologies.	8	4	L3
	c	Apply the concept of gear ratio to calculate the velocity ratio in a compound gear train with given teeth numbers. For a train where Gear 1 drives 2 & Gear 3 (on the same shaft has 2) drive Gear 4 such as T1=20, T2=40, T3=15 & T4=45 teeth.	6	4	L4
MODULE - 5					
Q9	a	Define NC and CNC. Explain the components of a CNC system and their functions.	6	5	L2
	b	Explain how additive manufacturing processes are applied in automobile and aerospace industries.	8	5	L3
	c	Evaluate the advantages of CNC machines over conventional machines in modern manufacturing.	6	5	L5
OR					
Q10	a	Explain the basic principles and steps involved in additive manufacturing.	6	5	L2
	b	Apply the concept of automation and explain different types of automation used in manufacturing industries with examples	8	5	L3
	c	Analyze the role of automation in improving productivity and quality in manufacturing industries.	6	5	L5

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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS**JUNE - JULY 2026**

Course:	PYTHON FOR BEGINNERS		
Course Code:	1BPLC105B/205B	Branches: Common to all Branches	
Max Marks:	100	Duration:	03 Hours

Note:

1. Answer any FIVE full questions, choosing one full Question from each Module.
2. Any missing data can be suitably assumed.

Q. No.	MODULE - 1		Marks	CO	RBTL
Q1	a	List and explain the three types of errors in Python.	6	1	L2
	b	Illustrate Values and Data Types with examples.	8	1	L2
	c	Develop a Python program to compute the area of the triangle.	6	1	L3
OR					
Q2	a	Discuss the following: i) Variables ii) Statements iii) Operators and Operands	6	1	L2
	b	Illustrate the Type converter functions with examples.	8	1	L2
	c	Write a program to read USN, Name and Marks in three subjects. Print USN, Name of student, total marks and percentage.	6	1	L3
MODULE - 2					
Q3	a	Outline the syntax and control flow of while loop statements, write a suitable code snippet.	6	2	L2
	b	Demonstrate the use of break and continue statements in python by writing small code snippets that show how each affects loop execution.	8	2	L3
	c	Write a python program to add n numbers accepted from the user.	6	2	L3
OR					
Q4	a	Define a function. Explain with Syntax and example.	6	2	L2
	b	Demonstrate the execution of Nested conditionals. Discuss if and else statements with a neat flow chart.	8	2	L2
	c	Write a program to check whether the given number is a palindrome using a function.	6	2	L3
MODULE - 3					
Q5	a	Define a tuple in python. Explain any two tuple methods with examples.	6	3	L2

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	b	Input N numbers and create a list. Develop a program to print mean, variance and standard deviation of the numbers with appropriate messages.	8	3	L3
	c	Illustrate the following: i) Slices ii) Optional Parameters	6	3	L2
OR					
Q6	a	Distinguish between a "pure function" and a "modifier" in the context of functions that operate on lists. Provide an example of each.	6	3	L2
	b	Discuss the following: i) List Values ii) Accessing elements iii) List length iv) Aliasing v) Cloning on lists	8	3	L2
	c	Develop a program to input a multi-digit number and print the frequency of occurrence of any one digit with suitable messages.	6	3	L3
MODULE - 4					
Q7	a	Illustrate Broadcasting with examples.	4	4	L2
	b	Describe the dictionary operations, methods, aliasing and copying with examples.	8	4	L2
	c	Write a Python program to create a dictionary, add/update/delete elements, and display its keys, values, and items	8	4	L3
OR					
Q8	a	Describe the concept of file handling. Explain reading and writing process with suitable examples.	6	4	L2
	b	What are Directories? Demonstrate how to fetch the contents from web URL to a local file.	8	4	L3
	c	Develop a program to read the contents of a text file, sort contents read and write the sorted contents into a separate text file.	6	4	L3
MODULE - 5					
Q9	a	Define a Module. Illustrate the time and match modules.	6	5	L2
	b	Discuss the three import statement variants with examples.	6	5	L2
	c	Develop a Python program to create a file, write user input to it, display its content, append more input, and display the updated content.	8	5	L3
OR					
Q10	a	Define an attribute. Explain with Syntax and example.	6	5	L2
	b	Describe the concepts of class and object in python with suitable examples.	6	5	L2
	c	Create a Python class named 'Student' with attributes for name and roll_number, include a method to display student details, create two objects and display the student details.	8	5	L3



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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	COMMUNICATION SKILLS		
Course Code:	1BENG106	Branches: Common to All Branches	
Max Marks:	50	Duration:	02 Hours

INSTRUCTIONS TO THE CANDIDATES

1. Part A is compulsory. Each question carries one mark.
2. Part B is compulsory and each question carries 5 marks.
3. Answer any five questions from part C selecting one question from each unit.

Q. No.	PART-A Multiple choice questions.	Marks	CO	RBTL
Choose the correct option for the following.				
1.	Which of the following best describes <i>proxemics</i> in communication? A) The study of body movements and gestures B) The study of how time affects communication C) The study of personal space and physical distance in communication D) The study of tone and pitch of the voice	1	1	L1
2.	Which feature of English pronunciation involves the rise and fall of the voice while speaking? A) Stress B) Syllable structure C) Intonation D) Phoneme articulation	1	1	L1
3.	In a Group Discussion (GD), which of the following is the MOST important behavior for effective participation? A) Interrupting others to prove your point B) Speaking continuously without pauses C) Listening actively and responding logically D) Using complex vocabulary to impress the panel	1	2	L1
4.	Which reading technique is MOST suitable for quickly locating specific information such as dates, names, or keywords in an achiever's interview? A) Skimming B) Scanning C) Critical reading D) Extensive reading	1	2	L1
5.	Which of the following is <i>NOT</i> a type of formal letter? A) Enquiry B) Complaint C) Invitation D) Order	1	3	L1
6.	What should the <i>subject line</i> of an email be? A) A short summary of the message B) A greeting C) A long explanation D) An emotional statement	1	3	L1

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7.	Which of the following is an example of a synchronous communication tool? A) Email B) Zoom C) Online forum D) Blog	1	4	L1
8.	Plagiarism means: A) Citing sources correctly B) Using someone's work without credit C) Writing original content D) Editing for grammar	1	4	L1
9.	A mock interview helps candidates to _____. A) memorize questions only B) practice interview skills C) avoid communication D) learn computer coding	1	5	L1
10.	Non-verbal communication includes: _____. A) grammar B) gestures and posture C) punctuation D) vocabulary	1	5	L1

Part – B Case Studies**(Answer both the questions. Each carry 5 marks).**

11	Case Study-1: A team of engineering students is preparing a project presentation for a national-level competition. During discussions, the team members frequently misunderstand each other. One member feels others are speaking too fast; another member gets offended because someone stands very close while talking; another is unable to follow due to unfamiliar technical terms. As a result, the presentation development gets delayed. Question: Based on the situation, identify the communication barriers involved and suggest strategies to overcome them.	5	1	L3
12	Case study-2: Priya, a recent engineering graduate, joined a software company as a trainee developer. During her first week, she attended a group discussion on “The Importance of Cybersecurity in Modern Applications.” Priya was initially nervous but used skimming and scanning techniques to quickly read an interview article about an achiever in the cybersecurity field. She noted down key ideas, idioms, and phrases from the article, which helped her present confidently. During the discussion, she introduced herself clearly, used appropriate sentence patterns, and applied idioms such as “the tip of the iceberg” and “a blessing in disguise” to make her points stronger. Her team appreciated her clarity, confidence, and ability to connect the article to the topic. Later, she wrote a short biography of the achiever based on the article. Question: Based on the above case study, explain how Priya applied communication skills in Speaking, Reading, and Writing to perform effectively in her workplace. Give suitable examples.	5	2	L3

PART-C**Answer ANY 5 Questions selecting ONE full question from each unit. (6X5=30)****UNIT – I**

13	Explain the process of communication and discuss the major barriers that affect effective communication.	6	1	L2
	OR			
14	Describe English phonemes and explain the importance of stress and intonation in achieving an intelligible accent.	6	1	L2

2025 SCHEME

UNIT – II				
15	Explain the essential skills required for delivering an effective technical presentation. What strategies can be used to make a technical presentation more engaging and professional?	6	2	L2
OR				
16	What are skimming and scanning? Explain their significance in reading interviews and case studies of achievers with suitable examples.	6	2	L1
UNIT – III				
17	Explain the structure and features of a formal letter with an example.	6	3	L3
OR				
18	Discuss email etiquette and explain the proper structure of a professional email.	6	3	L3
UNIT – IV				
19	Explain the difference between synchronous and asynchronous online communication. Discuss their advantages and disadvantages with examples.	6	4	L2
OR				
20	What is plagiarism? Explain its types, consequences, and ways to avoid it.	6	4	L2
UNIT – V				
21	Explain the importance of non-verbal communication cues in a job interview. Describe different types of non-verbal cues with suitable examples.	6	5	L2
OR				
22	What is a Statement of Purpose (SOP)? Explain its structure and significance for academic and professional applications.	6	5	L3

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Version: A

SJC INSTITUTE OF TECHNOLOGY

(An Autonomous Institute under VTU, Belagavi)

FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	BALAKE KANNADA		
Course Code:	1BBKA109/209	Branches: Common to all Branches	
Max Marks:	50	Duration:	1 Hour

INSTRUCTIONS TO THE CANDIDATES

1. Use only **Black ball point pen** for writing/ darkening the circle
2. Answer all the **fifty** questions, each question carries one mark.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the **OMR** sheet.
4. Darkening two circles for the same question makes the answer invalid.

Q. NO.	Questions	Marks	CO	RBTL
1.	Aane _____ a) Elephant b) Promise c) Rice d) Leg	1	1	L1
2.	Amma:Mother :: Appa: _____ a) Sister b) Father c) Brother d) Elder brother	1	2	L1
3.	The meaning of “Student” _____ a) Akka b) Huduga c) Vidyaarthi d) Navkara	1	1	L1
4.	Meaning Of “Hundred” _____ a) Nuuru b) Saavira c) Hattu d) Hadinaidu	1	3	L1
5.	“Balagade” in English meaning _____ a) Right side b) Left side c) Before d) After	1	3	L1
6.	Translate the following sentence into Kannada: Where is your house? a) Mane yaava kade? b) Mane elli? c) Nimma mane yaavudu? d) Nimma mane ellide?	1	3	L1
7.	Had your Dinner? a) Uuta beda b) Uuta ayatha? c) Tindi aytha? d) Tindi beku	1	2	L1
8.	Bangalore is a small city. a) Bangalore dodda nagara. b) Bangalore chikka nagara. c) Bangalore ondu doddanagara. d) doddanagaravaa howda.	1	3	L1
9.	Niivu yaaru? a) How are you b) Who are you? c) Who is he? d) Where are you?	1	1	L1
10.	Ninna Kaaleju Ellide? a) Your college? b) What is your name? c) Who is your college? d) Where is your college?	1	2	L1
11.	Indu dinaanka Eenu? a) Today date? b) What is the date today c) Which date today? d) What is the date tomorrow?	1	3	L1

12.	Note:Substitute the word from the following each sentence in appropriate places: Raaja:Raajanadu::Nanna:_____	1	2	L1
13.	Mane:Maneyalli::Uuru:_____	1	3	L1
14.	Sanna:Sannavalu::Cikka:_____	1	3	L1
15.	Fill the blanks with appropriate Kannada word: Naale _____ Uurige hogonavva? (We)	1	2	L1
16.	Will go(means) _____	1	3	L1
17.	Niimma Kaalejina raste _____?(Which)	1	2	L1
18.	Hattaneya (means)_____	1	2	L1
19.	Nimma hesaru _____?	1	1	L1
20.	Lesson _____	1	2	L1
21.	Own _____	1	2	L1
22.	What is the Plural form of the word "Mara"?	1	3	L1
23.	Avanu _____ huduga.	1	2	L1
24.	"Swapna's book is Blue. Pustakada banna yaavudu?"	1	2	L1
25.	Good morning _____	1	1	L1
26.	Write the English word for given Kannada word : Habba _____	1	1	L1
27.	Akka _____	1	1	L1
28.	Gurugalu _____	1	2	L1
29.	Talme _____	1	3	L1
30.	Saaku _____	1	3	L1
31.	"Naanu collegege hogutiddene".change this to simple past.	1	3	L1
32.	Fill the blanks using the correct form of the Kannada word to make sentence meaningfull one: Niinu _____(who)	1	1	L1
33.	Idu _____mane.(she)	1	1	L1

34.	Idu avana _____ bannada byaga.(White) a)Kappu b) Bili c) Niili d) Kempu	1	2	L1
35.	Naale uurige _____(come) a)Baa b) Beda c) Beku d) Barabeda	1	2	L1
36.	Fill in the blanks by translation the given English word to Kannada: Want _____ a)Naavu b) Yaaru c) Beku d)lilla	1	3	L1
37.	Banana_____ a)Imbehannu b) Dalimbe c) Balehannu d) Sibehannu	1	2	L1
38.	New _____ a)Paata b)Anna c) Haleya d) Hosa	1	2	L1
39.	Country _____ a)Desha b) Rajya c) Videsha d) Nagara	1	3	L1
40.	Drama _____ a)Kathe b) Naataka c) Ase d) Bagilu	1	2	L1
41.	Answer the following question: Nimma hesaru eenu? a)Nanna hesaru Ganesh.b) Hesaru c) Nanna uuru d) None of this	1	1	L1
42.	Nimma uuru yaavudu? a)Nanna uuru Bangalore.b) Hesaru c) Nanna uuru d) Vishaya	1	1	L1
43.	Nimma thande yaaru? a)Nanna thande.b) Nanna thande Gopal Rao c) Nanna d) Yaaake	1	2	L1
44.	Krishna yaaru? a)Nanna mane.b) Nanna gelaya c) Nanna d) Yaaake Krishna	1	1	L1
45.	Transform the following words of kannada as per the given model Kudi : kudiyiri :: nadi a) Nudibeda b) Nadiyiri c) Nade d) None of these	1	3	L1
46.	Hogu : hoga :: madu :----- a) madoonaa b) madabeda c) madiri d) Madi	1	3	L1
47.	Kudi : drink ::Malagu : ----- a) Sleep b) Eat c) Good d) Teacher	1	3	L1
48.	Mane + inda = maneyinda, kaaleju + inda =----- a)kaalejugalu b) kaalejugalige c) kaalejininda d) kaleju	1	2	L1
49.	Iru : iruttivi :: tinnu : ----- a) Tinnabeku b) Tinnalla c) Tinttivi d)1 Beda	1	2	L1
50.	Naildaana:Station::Holiday:_____ a) Fine b)Car c) Bus d) Raja	1	2	L1

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Version: B

SJC INSTITUTE OF TECHNOLOGY

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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	BALAKE KANNADA		
Course Code:	1BBKA109/209	Branches: Common to all Branches	
Max Marks:	50	Duration:	1 Hour

INSTRUCTIONS TO THE CANDIDATES

1. Use only **Black ball point pen** for writing/ darkening the circle
2. Answer all the **fifty** questions, each question carries one mark.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the **OMR** sheet.
4. Darkening two circles for the same question makes the answer invalid.

Q.NO.	Questions	Marks	CO	RBTL
1.	The meaning of “Student” _____ a) Akka b) Huduga c)Vidyaarthi d) Navkara	1	1	L1
2.	Meaning Of “Hundred” _____ a)Nuuru b)Saavira c) Hattu d) Hadinaidu	1	3	L1
3.	Had your Dinner? a) Uuta beda b) Uuta ayatha? c) Tindi aytha? d) Tindi beku	1	2	L1
4.	Bangalore is a small city. a) Bangalore dodda nagara. b) Bangalore chikka nagara. c) Bangalore ondu doddanagara. d) doddanagaravaa howda.	1	3	L1
5.	Aane _____ a) Elephant b) Promise c) Rice d) Leg	1	1	L1
6.	Amma:Mother :: Appa: _____ a) Sister b) Father c) Brother d) Elder brother	1	2	L1
7.	“Balagade” in English meaning _____ a) Right side b) Left side c) Before d) After	1	3	L1
8.	Translate the following sentence into Kannada: Where is your house? a) Mane yaava kade? b) Mane elli? c) Nimma mane yaavudu? d) Nimma mane ellide?	1	3	L1
9.	Nimma hesaru _____? a)Enu? b)Yaavudu? c)Elli? D) Yaavaga?	1	1	L1
10.	Lesson _____ a) Kathe b) Paata c)Pustaka d)Mane	1	2	L1
11.	Own _____ a) Kannu b) Swantha c)Kallu d)Mane	1	2	L1
12.	What is the Plural form of the word “Mara”? a)Mara illa b) Marakke c) Maragalu d) Tree	1	3	L1

13.	Avanu_____huduga. a) Olleya b) Good c) Olage d) Yaavu alla	1	2	L1
14.	"Swapna's book is Blue. Pustakada banna yaavudu? a) Hasiru b) kempu c) Niili d) Gulabi	1	2	L1
15.	Good morning_____ a)Shubhodaya b) Shubha c) Shubha sanje d) Shubha rathri	1	1	L1
16.	Write the English word for given Kannada word : Habba _____ a)Festival b) Small c) Good job d) Bad	1	1	L1
17.	Akka _____ a)Sister b) Elder sister c)Mother d) Brother	1	1	L1
18.	Gurugalu _____ a)Festival b) Cloth c) All the best d) Teacher	1	2	L1
19.	Talme _____ a)Festival b) Patience c) Good job d) Bad	1	3	L1
20.	Country _____ a)Desha b) Rajya c) Videsha d) Nagara	1	3	L1
21.	Drama _____ a)Kathe b) Naataka c) Ase d) Bagilu	1	2	L1
22.	Answer the following question: Nimma hesaru eenu? a)Nanna hesaru Ganesh.b) Hesaru c) Nanna uuru d) None of this	1	1	L1
23.	Nimma uuru yaavudu? a)Nanna uuru Bangalore.b) Hesaru c) Nanna uuru d) Vishaya	1	1	L1
24.	Nimma thande yaaru? a)Nanna thande.b) Nanna thande Gopal Rao c) Nanna d) Yaake	1	2	L1
25.	Krishna yaaru? a)Nanna mane.b) Nanna gelaya c) Nanna d) Yaake Krishna	1	1	L1
26.	Transform the following words of kannada as per the given model Kudi : kudiyiri :: nadi a) Nudibeda b) Nadiyiri c) Nade d) None of these	1	3	L1
27.	Hogu : hogi :: madu :----- a) madoonaa b) madabeda c) madiri d) Madi	1	3	L1
28.	Kudi : drink ::Malagu : ----- a) Sleep b) Eat c) Good d) Teacher	1	3	L1
29.	Mane + inda = maneyinda, kaaleju + inda =----- a)kaalejugalu b) kaalejugalige c) kaalejininda d) kaleju	1	2	L1
30.	Iru : iruttivi :: tinnu : ----- a) Tinnabeku b) Tinnalla c) Tinttivi d)1 Beda	1	2	L1
31.	Niivu yaaru? a) How are you b) Who are you? c) Who is he? d) Where are you?	1	1	L1
32.	Ninna Kaaleju Ellide? a) Your college? b) What is your name? c) Who is your college? d) Where is your college?	1	2	L1
33.	Indu dinaanka Eenu? a) Today date? b) What is the date today c) Which date today? d) What is the date tomorrow?	1	3	L1
34.	Note:Substitute the word from the following each sentence in appropriate places: Raaja:Raajanadu::Nanna:_____ a) Nannadu b)Niinnadu c) Niimmadu? d) Ellavu	1	2	L1

35.	Mane:Maneyalli::Uuru:_____	1	3	L1
	a) Uurige b)Uurinda c) Uurinalli d) Uurige banda			
36.	Sanna:Sannavalu::Cikka:_____	1	3	L1
	a) Cikka uuru b) Cikkakke c) Small d) Cikkavalu			
37.	Fill the blanks with appropriate Kannada word: Naale _____ Uurige hogonavva? (We)	1	2	L1
	a)Yaake b) Adu c) Naavu d) Niivu			
38.	Will go(means) _____	1	3	L1
	a)Hogoonaa b) Tinnonaa c) Baronaa d) None of this			
39.	Niimma Kaalejina raste_____?(Which)	1	2	L1
	a)Hege b) Yaake c) Yaavudu d) Elli			
40.	Naildaana:Station::Holiday:_____	1	2	L1
	a) Fine b)Car c) Bus d) Raja			
41.	Hattaneya (means)_____	1	2	L1
	a)12 th b)19 th c) 10 th d) 7 th			
42.	Saaku _____	1	3	L1
	a)Enough b) Request c) Please d) Left			
43.	“Naanu collegege hogutiddene”.change this to simple past. a)Naanu collegege raje ide b) Naanu collegege baralla c) Naanu collegege higidde. d) Naanu hogilla	1	3	L1
44.	Fill the blanks using the correct form of the Kannada word to make sentence meaningfull one: Niinu _____(who)	1	1	L1
	a)Yarru b) Enu c) Yaaake d) Heege			
45.	Idu _____mane.(she)	1	1	L1
	a)Mane b) Avala c) Akka D) She			
46.	Idu avana _____ bannada byaga.(White)	1	2	L1
	a)Kappu b) Bili c) Niili d) Kempu			
47.	Naale uurige _____(come)	1	2	L1
	a)Baa b) Beda c) Beku d) Barabeda			
48.	Fill in the blanks by translation the given English word to Kannada: Want _____	1	3	L1
	a)Naavu b) Yaaru c) Beku d)Iilla			
49.	Banana_____	1	2	L1
	a)Imbehannu b) Dalimbe c) Balehannu d) Sibehannu			
50.	New _____	1	2	L1
	a)Paata b)Anna c) Haleya d) Hosa			

Version: C

SJC INSTITUTE OF TECHNOLOGY

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FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	BALAKE KANNADA		
Course Code:	1BBKA109/209	Branches: Common to all Branches	
Max Marks:	50	Duration:	1 Hour

INSTRUCTIONS TO THE CANDIDATES

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Q.NO.	Questions	Marks	CO	RBTL
1.	“Balagade” in English meaning _____ a) Right side b) Left side c) Before d) After	1	3	L1
2.	Translate the following sentence into Kannada: Where is your house? a) Mane yaava kade? b) Mane elli? c) Nimma mane yaavudu? d) Nimma mane ellide?	1	3	L1
3.	Aane _____ a) Elephant b) Promise c) Rice d) Leg	1	1	L1
4.	Amma:Mother :: Appa: _____ a) Sister b) Father c) Brother d) Elder brother	1	2	L1
5.	Had your Dinner? a) Uuta beda b) Uuta ayatha? c) Tindi aytha? d) Tindi beku	1	2	L1
6.	Bangalore is a small city. a) Bangalore dodda nagara. b) Bangalore chikka nagara. c) Bangalore ondu doddanagara. d) doddanagaravaa howda.	1	3	L1
7.	Aane _____ a) Elephant b) Promise c) Rice d) Leg	1	1	L1
8.	Amma:Mother :: Appa: _____ a) Sister b) Father c) Brother d) Elder brother	1	2	L1
9.	“Naanu collegege hogutiddene”.change this to simple past. a)Naanu collegege raje ide b) Naanu collegege baralla c) Naanu collegege higidde. d) Naanu hogilla	1	3	L1
10.	Fill the blanks using the correct form of the Kannada word to make sentence meaningfull one: Niinu _____(who) a)Yarru b) Enu c) Yaaake d) Heege	1	1	L1
11.	Idu _____mane.(she) a)Mane b) Avala c) Akka D) She	1	1	L1

12.	Idu avana _____ bannada byaga.(White) a)Kappu b) Bili c) Niili d) Kempu	1	2	L1
13.	Naale uurige _____(come) a)Baa b) Beda c) Beku d) Barabeda	1	2	L1
14.	Fill in the blanks by translation the given English word to Kannada: Want _____ a)Naavu b) Yaaru c) Beku d)lilla	1	3	L1
15.	Banana_____ a)Imbehannu b) Dalimbe c) Balehannu d) Sibehannu	1	2	L1
16.	New _____ a)Paata b)Anna c) Haleya d) Hosa	1	2	L1
17.	Country _____ a)Desha b) Rajya c) Videsha d) Nagara	1	3	L1
18.	Drama _____ a)Kathe b) Naataka c) Ase d) Bagilu	1	2	L1
19.	Own _____ a) Kannu b) Swantha c)Kallu d)Mane	1	2	L1
20.	What is the Plural form of the word "Mara"? a)Mara illa b) Marakke c) Maragalu d) Tree	1	3	L1
21.	Avanu_____huduga. a) Olleya b) Good c) Olage d) Yaavu alla	1	2	L1
22.	"Swapna's book is Blue. Pustakada banna yaavudu? a) Hasiru b) kempu c) Niili d) Gulabi	1	2	L1
23.	Good morning_____ a)Shubhodaya b) Shubha c) Shubha sanje d) Shubha rathri	1	1	L1
24.	Write the English word for given Kannada word : Habba _____ a)Festival b) Small c) Good job d) Bad	1	1	L1
25.	Akka _____ a)Sister b) Elder sister c)Mother d) Brother	1	1	L1
26.	Gurugalu _____ a)Festival b) Cloth c) All the best d) Teacher	1	2	L1
27.	Talme _____ a)Festival b) Patience c) Good job d) Bad	1	3	L1
28.	Saaku _____ a)Enough b) Request c) Please d) Left	1	3	L1
29.	Niivu yaaru? a) How are you b) Who are you? c) Who is he? d) Where are you?	1	1	L1
30.	Ninna Kaaleju Ellide? a) Your college? b) What is your name? c) Who is your college? d) Where is your college?	1	2	L1
31.	Answer the following question: Nimma hesaru eenu? a)Nanna hesaru Ganesh.b) Hesaru c) Nanna uuru d) None of this	1	1	L1
32.	Nimma uuru yaavudu? a)Nanna uuru Bangalore.b) Hesaru c) Nanna uuru d) Vishaya	1	1	L1
33.	Nimma thande yaaru? a)Nanna thande.b) Nanna thande Gopal Rao c) Nanna d) Yaake	1	2	L1
34.	Krishna yaaru? a)Nanna mane.b) Nanna gelaya c) Nanna d) Yaake Krishna	1	1	L1

35.	Transform the following words of kannada as per the given model Kudi : kudiyiri :: nadi a) Nudibeda b) Nadiyiri c) Nade d) None of these	1	3	L1
36.	Hogu : hogi :: madu :----- a) madoonaa b) madabeda c) madiri d) Madi	1	3	L1
37.	Kudi : drink ::Malagu : ----- a) Sleep b) Eat c) Good d) Teacher	1	3	L1
38.	Mane + inda = maneyinda, kaaleju + inda =----- a)kaalejugalu b) kaalejugalige c) kaalejininda d) kaleju	1	2	L1
39.	Iru : iruttivi :: tinnu : ----- a) Tinnabeku b) Tinnalla c) Tinttivi d)1 Beda	1	2	L1
40.	Naildaana:Station::Holiday:_____ a) Fine b)Car c) Bus d) Raja	1	2	L1
41.	Indu dinaanka Eenu? a) Today date? b) What is the date today c) Which date today? d) What is the date tomorrow?	1	3	L1
42.	Note:Substitute the word from the following each sentence in appropriate places: Raaja:Raajanadu::Nanna:_____ a) Nannadu b)Niinnadu c) Niimmadu? d) Ellavu	1	2	L1
43.	Mane:Maneyalli::Uuru:_____ a) Uurige b)Uurinda c) Uurinalli d) Uurige banda	1	3	L1
44.	Sanna:Sannavalu::Cikka:_____ a) Cikka uuru b) Cikkakke c) Small d) Cikkavalu	1	3	L1
45.	Fill the blanks with appropriate Kannada word: Naale _____ Uurige hogonavva? (We) a)Yaake b) Adu c) Naavu d) Niivu	1	2	L1
46.	Will go(means) _____ a)Hogoonaa b) Tinnonaa c) Baronaa d) None of this	1	3	L1
47.	Niimma Kaalejina raste_____(Which) a)Hege b) Yaake c) Yaavudu d) Elli	1	2	L1
48.	Hattaneya (means)_____ a)12 th b)19 th c) 10 th d) 7 th	1	2	L1
49.	Nimma hesaru_____ a)Enu? b)Yaavudu? c)Elli? D) Yaavaga?	1	1	L1
50.	Lesson _____ a) Kathe b) Paata c)Pustaka d)Mane	1	2	L1

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Version: D

SJC INSTITUTE OF TECHNOLOGY

(An Autonomous Institute under VTU, Belagavi)

FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	BALAKE KANNADA		
Course Code:	1BBKA109/209	Branches: Common to all Branches	
Max Marks:	50	Duration:	1 Hour

INSTRUCTIONS TO THE CANDIDATES

1. Use only **Black ball point pen** for writing/ darkening the circle
2. Answer all the **fifty** questions, each question carries one mark.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the **OMR** sheet.
4. Darkening two circles for the same question makes the answer invalid.

Q.NO.	Questions	Marks	CO	RBTL
1.	Had your Dinner? a) Uuta beda b) Uuta ayatha? c) Tindi aytha? d) Tindi beku	1	2	L1
2.	Bangalore is a small city. a) Bangalore dodda nagara. b) Bangalore chikka nagara. c) Bangalore ondu doddanagara. d) doddanagaravaa howda.	1	3	L1
3.	“Balagade” in English meaning _____ a) Right side b) Left side c) Before d) After	1	3	L1
4.	Translate the following sentence into Kannada: Where is your house? a) Mane yaava kade? b) Mane elli? c) Nimma mane yaavudu? d) Nimma mane ellide?	1	3	L1
5.	The meaning of “Student” _____ a) Akka b) Huduga c) Vidyaarthi d) Navkara	1	1	L1
6.	Meaning Of “Hundred” _____ a) Nuuru b) Saavira c) Hattu d) Hadinaidu	1	3	L1
7.	Aane _____ a) Elephant b) Promise c) Rice d) Leg	1	1	L1
8.	Amma:Mother :: Appa: _____ a) Sister b) Father c) Brother d) Elder brother	1	2	L1
9.	Answer the following question: Nimma hesaru eenu? a) Nanna hesaru Ganesh. b) Hesaru c) Nanna uuru d) None of this	1	1	L1
10.	Nimma uuru yaavudu? a) Nanna uuru Bangalore. b) Hesaru c) Nanna uuru d) Vishaya	1	1	L1
11.	Nimma thande yaaru? a) Nanna thande. b) Nanna thande Gopal Rao c) Nanna d) Yaake	1	2	L1
12.	Krishna yaaru? a) Nanna mane. b) Nanna gelaya c) Nanna d) Yaake Krishna	1	1	L1

13.	Transform the following words of kannada as per the given model Kudi : kudiyiri :: nadi a) Nudibeda b) Nadiyiri c) Nade d) None of these	1	3	L1
14.	Hogu : hogi :: madu :----- a) madoonaa b) madabeda c) madiri d) Madi	1	3	L1
15.	Kudi : drink ::Malagu : ----- a) Sleep b) Eat c) Good d) Teacher	1	3	L1
16.	Mane + inda = maneyinda, kaaleju + inda =----- a)kaalejugalu b) kaalejugalige c) kaalejininda d) kaleju	1	2	L1
17.	Iru : iruttivi :: tinnu : ----- a) Tinnabeku b) Tinnalla c) Tinttivi d)1 Beda	1	2	L1
18.	Naildaana:Station::Holiday:_____ a) Fine b)Car c) Bus d) Raja	1	2	L1
19.	Niivu yaaru? a) How are you b) Who are you? c) Who is he? d) Where are you?	1	1	L1
20.	Ninna Kaaleju Ellide? a) Your college? b) What is your name? c) Who is your college? d) Where is your college?	1	2	L1
21.	Indu dinaanka Eenu? a) Today date? b) What is the date today c) Which date today? d) What is the date tomorrow?	1	3	L1
22.	Note:Substitute the word from the following each sentence in appropriate places: Raaja:Raajanadu::Nanna:_____ a) Nannadu b)Niinnadu c) Niimmadu? d) Ellavu	1	2	L1
23.	Mane:Maneyalli::Uuru:_____ a) Uurige b)Uurinda c) Uurinalli d) Uurige banda	1	3	L1
24.	Sanna:Sannavalu::Cikka:_____ a) Cikka uuru b) Cikkakke c) Small d) Cikkavalu	1	3	L1
25.	Fill the blanks with appropriate Kannada word: Naale _____ Uurige hogonavva? (We) a)Yaake b) Adu c) Naavu d) Niivu	1	2	L1
26.	Will go(means) _____ a)Hogoonaa b) Tinnonaa c) Baronaa d) None of this	1	3	L1
27.	Niimma Kaalejina raste_____(Which) a)Hege b) Yaake c) Yaavudu d) Elli	1	2	L1
28.	Hattaneya (means)_____ a)12 th b)19 th c) 10 th d) 7 th	1	2	L1
29.	Nimma hesaru_____ a)Enu? b)Yaavudu? c)Elli? D) Yaavaga?	1	1	L1
30.	Lesson _____ a) Kathe b) Paata c)Pustaka d)Mane	1	2	L1
31.	“Naanu collegege hogutiddene”.change this to simple past. a)Naanu collegege raje ide b) Naanu collegege baralla c) Naanu collegege higidde. d) Naanu hogilla	1	3	L1
32.	Fill the blanks using the correct form of the Kannada word to make sentence meaningfull one: Niinu _____(who) a)Yarru b) Enu c) Yaaake d) Heege	1	1	L1
33.	Idu _____mane.(she) a)Mane b) Avala c) Akka D) She	1	1	L1

34.	Idu avana _____ bannada byaga.(White) a)Kappu b) Bili c) Niili d) Kempu	1	2	L1
35.	Naale uurige _____(come) a)Baa b) Beda c) Beku d) Barabeda	1	2	L1
36.	Fill in the blanks by translation the given English word to Kannada: Want _____ a)Naavu b) Yaaru c) Beku d)lilla	1	3	L1
37.	Banana _____ a)Imbehannu b) Dalimbe c) Balehannu d) Sibehannu	1	2	L1
38.	New _____ a)Paata b)Anna c) Haleya d) Hosa	1	2	L1
39.	Country _____ a)Desha b) Rajya c) Videsha d) Nagara	1	3	L1
40.	Drama _____ a)Kathe b) Naataka c) Ase d) Bagilu	1	2	L1
41.	Own _____ a) Kannu b) Swantha c)Kallu d)Mane	1	2	L1
42.	What is the Plural form of the word "Mara"? a)Mara illa b) Marakke c) Maragalu d) Tree	1	3	L1
43.	Avanu _____ huduga. a) Olleya b) Good c) Olage d) Yaavu alla	1	2	L1
44.	"Swapna's book is Blue. Pustakada banna yaavudu? a) Hasiru b) kempu c) Niili d) Gulabi	1	2	L1
45.	Good morning _____ a)Shubhodaya b) Shubha c) Shubha sanje d) Shubha rathri	1	1	L1
46.	Write the English word for given Kannada word : Habba _____ a)Festival b) Small c) Good job d) Bad	1	1	L1
47.	Akka _____ a)Sister b) Elder sister c)Mother d) Brother	1	1	L1
48.	Gurugalu _____ a)Festival b) Cloth c) All the best d) Teacher	1	2	L1
49.	Talme _____ a)Festival b) Patience c) Good job d) Bad	1	3	L1
50.	Saaku _____ a)Enough b) Request c) Please d) Left	1	3	L1

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Version: A



SJC INSTITUTE OF TECHNOLOGY

(An Autonomous Institute under VTU, Belagavi)

FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	SAAMSKRUTHIKA KANNADA		
Course Code:	1BSKA109/209	Branches: Common to all Branches	
Max Marks:	50	Duration:	1 Hour

INSTRUCTIONS TO THE CANDIDATES

1. Use only **Black ball point pen** for writing/ darkening the circle
2. Answer all the **fifty** questions, each question carries one mark.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the **OMR** sheet.
4. Darkening two circles for the same question makes the answer invalid.

Q.NO.	Questions	Marks	CO	RBTL
1.	ಕರ್ನಾಟಕ ಯಾವ ಪದದಿಂದ ಉತ್ಪತ್ತಿಯಾಗಿದೆ a) ಬೊಂಬೆ ನಾಡು b) ಕರುನಾಡು c) ಮಲೆನಾಡು d) ಕೆಂಪು ನಾಡು	1	1	2
2.	ವಿಜಯನಗರ ಸಾಮ್ರಾಜ್ಯದ ರಾಜಧಾನಿ ಯಾವುದಾಗಿತ್ತು? a) ಹಂಪಿ b) ಹಾಸನ c) ಮೈಸೂರು d) ಬೆಳಗಾವಿ	1	1	1
3.	ಕರಿ ಘನ _____ ಕಿರಿದೆನ್ನಬಹುದೇ ಬಾರದಯ್ಯ a) ಗಿರಿ b) ತಮಂದ c) ವಜ್ರ d) ಅಂಕುಶ	1	1	2
4.	ಕನ್ನಡ ಲಿಪಿಯನ್ನು "ಲಿಪಿಗಳ ರಾಣಿ" ಎಂದು ಕರೆದವರು ಯಾರು? a) ಕುವೆಂಪು b) ಮಾಸ್ತಿ c) ಗೋವಿಂದ ಪೈ d) ವಿನೋಬಾ ಭಾವೆ	1	1	2
5.	ವಚನ ಸಾಹಿತ್ಯದ ಕಾಲಘಟ್ಟ ಯಾವುದು? a) 10ನೇ ಶತಮಾನ b) 12ನೇ ಶತಮಾನ c) 14ನೇ ಶತಮಾನ d) 18ನೇ ಶತಮಾನ	1	1	2
6.	ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ ಎಲ್ಲಿ ಸ್ಥಾಪನೆ ಆಯಿತು? a) ಬೆಂಗಳೂರು b) ಧಾರವಾಡ c) ಶಿವಮೊಗ್ಗ d) ಮೈಸೂರು	1	1	1
7.	ಕಾಗಿನೆಲೆ ಆದಿಕೇಶವ ಯಾರ ಅಂಕಿತನಾಮ ? a) ಆಲೂರು ವೆಂಕಟರಾಯರು b) ಕನಕದಾಸರು c) ಪುರಂದರದಾಸರು d) ಹರಿದಾಸರು	1	2	1
8.	ಸುಂಕ ಪದದ ಅರ್ಥವೇನು? a) ಕಾಸು b) ಆಣೆ c) ತೆರಿಗೆ d) ನೋವು	1	2	1
9.	ಅಕ್ಕಮಹಾದೇವಿಯ ಆರಾಧ್ಯ ದೈವ ಯಾರು? a) ಬಸವಣ್ಣ b) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ c) ರಾಮನಾಥ d) ಲಿಂಗಸೂರು	1	1	2
10.	ಷೇರು ಎಂದರೆ a) ಪಾಲು b) ಭಾಗ c) ಘಟಕ d) ಎಲ್ಲವೂ	1	4	1
11.	ಕನಕದಾಸರು ಬರೆದ ಕೃತಿ ಯಾವುದು? a) ಮೋಹನ ತರಂಗಿಣಿ b) ಯೋಗಾಂದ ತ್ರಿವಿಧಿ c) ಪುಷ್ಪ ರಗಳೆ d) ಕಬ್ಬಿಗರ ಕಾವ್ಯ	1	2	1

12.	_____ ಕೆ ಬಡತನವಲ್ಲದೆ ಮನಕ್ಕೆ ಬಡತನವುಂಟೆ a) ಮನಸು b) ಬುದ್ಧಿ c) ಅಂಗ d) ಸಂಸ್ಕಾರ	1	2	2
13.	ಜಿ ವೆಂಕಟ ಸುಬ್ಬಯ್ಯ ಲೇಖನ ಯಾವುದು? a) "ಕರ್ನಾಟಕದ ಏಕೀಕರಣ - ಒಂದು ಅಪೂರ್ವ ಚರಿತ್ರೆ" b) ವಚನಗಳು c) ಜನಪದಗಳು d) ತತ್ವಪದಗಳು	1	1	1
14.	ಸತ್ತ ಮೇಲೂ ನಿನಗೆ _____ ಉಂಟು ಇಲ್ಲಿ a) ಹೆಸರು b) ಅಧಿಕಾರ c) ಹಣ d) ಶಿಕ್ಷಣ	1	3	1
15.	ಕೃಷ್ಣರಾಜ ಸಾಗರವನ್ನು ಕಟ್ಟಿಸಿದವರು ಯಾರು? a) ನಾಲ್ವಡಿ ಕೃಷ್ಣರಾಜ ಒಡೆಯರ್ b) ದೇವರಾಜ ಅರಸ್ c) ಶಂಕರೇಗೌಡ d) ವಿಶ್ವೇಶ್ವರಯ್ಯ	1	3	1
16.	ನಗುವು ಸಹಜದ ಧರ್ಮ ನಗಿಸುವುದು _____ a) ಸ್ವಧರ್ಮ b) ಮನುಷ್ಯ ಧರ್ಮ c) ಪರಧರ್ಮ d) ಕುಲ ಧರ್ಮ	1	2	1
17.	ಕಾಸಿಂ ಸಾಬರ ಮಗನ ಹೆಸರೇನು? a) ಪ್ರಹ್ಲಾದ b) ಇಸ್ಮಾಯಿಲ್ c) ಅಬ್ದುಲ್ಲಾ d) ಕರೀಂ ಸಾಬ್	1	4	1
18.	ಕನ್ನಡ ಭಾಷೆಗೆ ಎಷ್ಟು ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿಗಳು ಲಭಿಸಿದೆ. a) 6 b) 8 c) 10 d) 12	1	1	1
19.	ಜಗತ್ತಿನಲ್ಲಿ ಹೆಚ್ಚು ಮಂದಿ ಮಾತನಾಡುವ ಭಾಷೆ ಎಂಬ ನೆಲೆಯಲ್ಲಿ _____ ಸ್ಥಾನ ಕನ್ನಡಕ್ಕಿದೆ. a) 25 b) 21 c) 28 d) 29	1	2	1
20.	ಏಷ್ಯಾದ ಅತ್ಯಂತ ಹಳೆಯ ಸ್ಪಾಕ್ ಮಾರ್ಕೆಟ್ ಯಾವುದು? a) ಎನ್‌ಎಸ್‌ಇ b) ನೋಕಿಯಾ ಎಸ್ ಇ c) ಬಿಎಸ್‌ಇ d) ಎನ್ ವೈ ಎಸ್ ಇ	1	4	1
21.	"ಒಳಿತು ಮಾಡು ಮನುಸ" ಈ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು? a) ಋಷಿ b) ಕನಕದಾಸ c) ನೇಮಿಚಂದ್ರ d) ಹಂಪನಾಗರಾಜಯ್ಯ	1	3	1
22.	ಡಾ. ಸರ್ .ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು ಎಷ್ಟರಲ್ಲಿ ದಿವಾನಗಿರಿಯನ್ನು ತ್ಯಜಿಸಿದರು. a) 1919 b) 1918 c) 1917 d) 1920	1	4	1
23.	ಕದಂಬರು ರಾಜಧಾನಿ ಯಾವುದು? a) ಬಾಗಲಕೋಟೆ b) ಬನವಾಸಿ c) ಹಂಪಿ d) ಬಳ್ಳಾರಿ	1	1	1
24.	ಕುವೆಂಪುರವರ ಯಾವ ಕೃತಿಗೆ ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ದೊರೆತಿತ್ತು. a) ಚಿತ್ರಾಂಗದ b) ಶ್ರೀ ರಾಮಾಯಣ ದರ್ಶನಂ b) ರಾಮಾಯಣ ದರ್ಶನಂ d) ಕಾನೂರು ಹಗ್ಗಡತಿ	1	3	1
25.	ಲತೆ ಪದದ ಅರ್ಥವೇನು? a) ಗಿಡ b) ಹೂ c) ಮರ d) ಬಳ್ಳಿ	1	2	1
26.	ಸೋಲೆಂಬುದು ಅಲ್ಪವಿರಾಮ ಈ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು? a) ನೇಮಿಚಂದ್ರ b) ಎ.ಎನ್ ಮೂರ್ತಿ ರಾವ್ c) ಋಷಿ d) ಜಿ ವೆಂಕಟಸುಬ್ಬಯ್ಯ	1	4	1
27.	ಡಿವಿಜಿ ಅವರು ಎಷ್ಟರಲ್ಲಿ ಜನಿಸಿದರು. a) 887 b) 1907 c) 1917 d) 1927	1	3	1
28.	ಲಿಪಿ ಇರದ ಭಾಷೆಯು ಎಷ್ಟು ಕೌಶಲಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ. a) ಎರಡು b) ನಾಲ್ಕು c) ಮೂರು d) ಐದು	1	1	2
29.	ಅಲ್ಲಮ್ಮ ಪ್ರಭು ರವರ ಅಂಕಿತನಾಮ ಯಾವುದು? a) ಗುಹೇಶ್ವರ b) ಕೂಡಲಸಂಗಮದೇವ c) ರಾಮನಾಥ d) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ	1	2	2
30.	ಕಾಳಿಯು ಯಾರನ್ನು ಸೀಳಿ ಬರುತಿಹಳು. a) ದೇವತೆಗಳು b) ಧಾನವರು c) ಮನುಷ್ಯರು d) ದಾನಿಗಳು	1	2	2
31.	ಯಾವ ಬೆಂಕಿಯನ್ನು ಕುಂಬಾರಕಿ ಹಚ್ಚುವಳು? a) ಅರಿವು b) ಆಚಾರ c) ಗುಣ d) ಭಕ್ತಿ	1	2	3

32.	ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಮಾಸ್ತರಿಗೆ ಸಹಾಯ ಮಾಡಿದ ದಾದಿ ಯಾರು? a) ಚಾಂದಿನಿ b) ರಾಧಾ c) ಫಾತಿಮಾ d) ರುಕ್ಮಿಣಿ	1	4	1
33.	ಆಲೂರು ವೆಂಕಟರಾಯರು ರಚಿಸಿದ ಕೃತಿ ಯಾವುದು? a) ಕಬ್ಬಿಗರ ಕಾವ್ಯ b) ಕರ್ನಾಟಕ ಗದ್ಯವೈಭವ c) ಭರತೇಶ ವೈಭವ d) ಸಣ್ಣ ಕಥೆಗಳು	1	1	1
34.	ಪ್ರಹಲ್ಲಾದಿನಿಗೆ ಎಷ್ಟು ವರ್ಷಕ್ಕೆ ಮಾತು ಬಂದಿತ್ತು. a) 4 ವರ್ಷ b) 2 ವರ್ಷ c) 3 ವರ್ಷ d) 1 ವರ್ಷ	1	4	1
35.	ನವಿಲಿಗೆ _____ ಬರೆದವರು ಯಾರು? a) ಕಣ್ಣು b) ಕಿವಿ c) ರೆಕ್ಕೆ d) ಚಿತ್ರ	1	2	1
36.	ಡಾ. ಸರ್. ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯ ವ್ಯಕ್ತಿ ಮತ್ತು ಐತಿಹ ಲೇಖನದ ಲೇಖಕರು ಯಾರು? a) ಎ. ಎನ್. ಮೂರ್ತಿ ರಾವ್ b) ವಸುದೇಂದ್ರ c) ಬೋರಲಿಂಗಯ್ಯ d) ಕರಿಗೌಡ	1	4	1
37.	ಮಾರಯ್ಯನ ಕಾಯಕ ಯಾವುದು? a) ನೇಯ್ಗೆ b) ಬೇಸಾಯ c) ಅಕ್ಕಿ ಆಯುವುದು d) ಹಾಡುವುದು	1	1	2
38.	ಕನ್ನಡದ ಮೊದಲ ಶಾಸನ _____ a) ಹಲ್ಮಡಿ ಶಾಸನ b) ಪಟ್ಟದಕಲ್ಲು ಶಾಸನ c) ಬಾದಾಮಿ ಶಾಸನ d) ಕಪ್ಪೆ ಅರೇ ಭಟ್ಟನ ಶಾಸನ	1	1	1
39.	"ಸಾವಿರ ಕೊಡಗಳ ಸುಟ್ಟು" ತತ್ವಪದ ಬರೆದವರು ಯಾರು ? a) ಮೊಹಮ್ಮದ್ ಶರೀಫ b) ಗೋವಿಂದ ಭಟ್ಟರು c) ಇಮಾಮ್ ಶರೀಫ d) ಶಿಶುನಾಳ ಶರೀಫ	1	2	2
40.	ಸ್ವಾರ್ ಮಾರ್ಕೆಟಿನಲ್ಲಿ ಸೂಚ್ಯಂಕ ಏರಿಕೆಯನ್ನು ಯಾವುದಕ್ಕೆ ಹೋಲಿಸಿದೆ. a) ಐಪಿಟಿ b) ಗೂಳಿ c) ಕರಡಿ d) ಮುಖಬೆಲೆ	1	4	1
41.	ಆಧುನಿಕ ಕಾವ್ಯಭಾಗ ಘಟಕದಲ್ಲಿ ಪರಿಚಯಿಸಲಾಗಿರುವ ಪ್ರಮುಖ ವಚನಕಾರರು ಎಷ್ಟು? a) ಮೂರು b) ನಾಲ್ಕು c) ಐದು d) ಆರು	1	2	1
42.	"ಕರಿ" ಈ ಪದದ ಅರ್ಥವೇನು? a) ಗಜ b) ಅಶ್ವ c) ಕತ್ತೆ d) ಹುಲಿ	1	2	1
43.	ವಿಪ್ಲವ ಪದದ ಅರ್ಥವೇನು? a) ಕ್ರಾಂತಿ b) ಸ್ವರ್ಗ c) ಆಟ d) ಮಾತು	1	2	2
44.	ಯಾವ ಸಿಂಹಾಸನಕ್ಕೆ ಕೊನೆಗಾಲ ಬಂದಿರುವುದು? a) ಇಂದ್ರ b) ಕೌರವರು c) ರಾಮ d) ಮಂತ್ರಿ	1	2	1
45.	ನಮ್ಮ ರಾಜ್ಯದಲ್ಲಿ ಎಷ್ಟು ಭಾಷಾ ಸೂತ್ರ ಬಳಕೆಯಲ್ಲಿದೆ? a) ದ್ವಿ b) ಏಕ c) ತ್ರಿ d) ಚತುರ್	1	1	1
46.	ವಸುದೇಂದ್ರ ಅವರ ಜನ್ಮಸ್ಥಳ ಯಾವುದು? a) ಸಂಡೂರು b) ಬಾಗೇವಾಡಿ c) ಕದಳಿ d) ಮೇಲುಕೋಟೆ	1	4	1
47.	ಗೋಪಣ್ಣ ಮಾಸ್ತರಿಗೆ ಎಷ್ಟು ವರ್ಷ ಸರ್ವಿಸ್ ಆಗಿತ್ತು. a) 40 ವರ್ಷ b) 30 ವರ್ಷ c) 25 ವರ್ಷ d) 35 ವರ್ಷ	1	1	5
48.	ಗಡಗಿ ತಯಾರು ಮಾಡುವಾಕಿ ಎಷ್ಟು ಸುತ್ತನ್ನು ತಿರುಗಿ ತಯಾರು ಮಾಡುವಳು a) 360 b) 363 c) 365 d) 362	1	2	2
49.	ಡಾ. ಸರ್. ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯ ನವರಿಗೆ ಭಾರತದ ಯಾವ ಅತ್ಯುನ್ನತ ಪ್ರಶಸ್ತಿ ಲಭಿಸಿದೆ. a) ಭಾರತ ರತ್ನ b) ಕರ್ನಾಟಕ ರತ್ನ c) ಸಮಾಜ ರತ್ನ d) ಮೈಸೂರು ರತ್ನ	1	4	1
50.	ಹೊಸ ಯುಕ್ತಿ _____ ಒಡಗೂಡೆ ಧರ್ಮ a) ಹೊಸ ಮಾತು b) ಹಳೆ ತತ್ವ c) ಹಳೆ ಬೇರು d) ನಮ್ಮ ಹೆಸರು	1	2	3

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Version: B

SJC INSTITUTE OF TECHNOLOGY

(An Autonomous Institute under VTU, Belagavi)

FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	SAAMSKRUTHIKA KANNADA		
Course Code:	1BSKA109/209	Branches: Common to all Branches	
Max Marks:	50	Duration:	1 Hour

INSTRUCTIONS TO THE CANDIDATES

1. Use only **Black ball point pen** for writing/ darkening the circle
2. Answer all the **fifty** questions, each question carries one mark.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the **OMR** sheet.
4. Darkening two circles for the same question makes the answer invalid.

Q.NO.	Questions	Marks	CO	RBTL
1.	"ಒಳಿತು ಮಾಡು ಮನುಸ" ಈ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು? a) ಋಷಿ b) ಕನಕದಾಸ c) ನೇಮಿಚಂದ್ರ d) ಹಂಪನಾಗರಾಜಯ್ಯ	1	3	1
2.	ಡಾ. ಸರ್ .ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು ಎಷ್ಟರಲ್ಲಿ ದಿವಾನಗಿರಿಯನ್ನು ತ್ಯಜಿಸಿದರು. a) 1919 b) 1918 c) 1917 d) 1920	1	4	1
3.	ಕದಂಬರು ರಾಜಧಾನಿ ಯಾವುದು? a) ಬಾಗಲಕೋಟೆ b) ಬನವಾಸಿ c) ಹಂಪಿ d) ಬಳ್ಳಾರಿ	1	1	1
4.	ಕುವೆಂಪುರವರ ಯಾವ ಕೃತಿಗೆ ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ದೊರೆತಿತ್ತು. a) ಚಿತ್ರಾಂಗದ b) ಶ್ರೀ ರಾಮಾಯಣ ದರ್ಶನಂ ರಾಮಾಯಣ ದರ್ಶನಂ d) ಕಾನೂರು ಹೆಗ್ಗಡತಿ	1	3	1
5.	ಲತೆ ಪದದ ಅರ್ಥವೇನು? a) ಗಿಡ b) ಹೂ c) ಮರ d) ಬಳ್ಳಿ	1	2	1
6.	ಸೋಲೆಂಬುದು ಅಲ್ಪವಿರಾಮ ಈ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು? a) ನೇಮಿಚಂದ್ರ b) ಎ.ಎನ್ ಮೂರ್ತಿ ರಾವ್ c) ಋಷಿ d) ಜಿ ವೆಂಕಟಸುಬ್ಬಯ್ಯ	1	4	1
7.	ಡಿವಿಜಿ ಅವರು ಎಷ್ಟರಲ್ಲಿ ಜನಿಸಿದರು. a) 887 b) 1907 c) 1917 d) 1927	1	3	1
8.	ಲಿಪಿ ಇರದ ಭಾಷೆಯು ಎಷ್ಟು ಕೌಶಲಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ. a) ಎರಡು b) ನಾಲ್ಕು c) ಮೂರು d) ಐದು	1	1	2
9.	ಅಲ್ಲಮ್ಮ ಪ್ರಭು ರವರ ಅಂಕಿತನಾಮ ಯಾವುದು? a) ಗುಹೇಶ್ವರ b) ಕೂಡಲಸಂಗಮದೇವ c) ರಾಮನಾಥ d) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ	1	2	2
10.	ಕಾಳಿಯು ಯಾರನ್ನು ಸೀಳಿ ಬರುತಿಹಳು. a) ದೇವತೆಗಳು b) ಧಾನವರು c) ಮನುಷ್ಯರು d) ದಾನಿಗಳು	1	2	2
11.	ಆಧುನಿಕ ಕಾವ್ಯಭಾಗ ಘಟಕದಲ್ಲಿ ಪರಿಚಯಿಸಲಾಗಿರುವ ಪ್ರಮುಖ ವಚನಕಾರರು ಎಷ್ಟು? a) ಮೂರು b) ನಾಲ್ಕು c) ಐದು d) ಆರು	1	2	1

12.	"ಕರಿ" ಈ ಪದದ ಅರ್ಥವೇನು? a) ಗಜ b) ಅಶ್ವ c) ಕತ್ತೆ d) ಹುಲಿ	1	2	1
13.	ವಿಷ್ಣುವ ಪದದ ಅರ್ಥವೇನು? a) ಕ್ರಾಂತಿ b) ಸ್ವರ್ಗ c) ಆಟ d) ಮಾತು	1	2	2
14.	ಯಾವ ಸಿಂಹಾಸನಕ್ಕೆ ಕೊನೆಗಾಲ ಬಂದಿರುವುದು? a) ಇಂದ್ರ b) ಕೌರವರು c) ರಾಮ d) ಮಂತ್ರಿ	1	2	1
15.	ನಮ್ಮ ರಾಜ್ಯದಲ್ಲಿ ಎಷ್ಟು ಭಾಷಾ ಸೂತ್ರ ಬಳಕೆಯಲ್ಲಿದೆ? a) ದ್ವಿ b) ಏಕ c) ತ್ರಿ d) ಚತುರ್	1	1	1
16.	ವಸುದೇಂದ್ರ ಅವರ ಜನ್ಮಸ್ಥಳ ಯಾವುದು? a) ಸಂಡೂರು b) ಬಾಗೇವಾಡಿ c) ಕದಳಿ d) ಮೇಲುಕೋಟೆ	1	4	1
17.	ಗೋಪಣ್ಣ ಮಾಸ್ತರಿಗೆ ಎಷ್ಟು ವರ್ಷ ಸರ್ವಿಸ್ ಆಗಿತ್ತು. a) 40 ವರ್ಷ b) 30 ವರ್ಷ c) 25 ವರ್ಷ d) 35 ವರ್ಷ	1	1	5
18.	ಗಡಗಿ ತಯಾರು ಮಾಡುವಾಕಿ ಎಷ್ಟು ಸುತ್ತನ್ನು ತಿರುಗಿ ತಯಾರು ಮಾಡುವಳು a) 360 b) 363 c) 365 d) 362	1	2	2
19.	ಡಾ. ಸರ್. ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯ ನವರಿಗೆ ಭಾರತದ ಯಾವ ಅತ್ಯುನ್ನತ ಪ್ರಶಸ್ತಿ ಲಭಿಸಿದೆ. a) ಭಾರತ ರತ್ನ b) ಕರ್ನಾಟಕ ರತ್ನ c) ಸಮಾಜ ರತ್ನ d) ಮೈಸೂರು ರತ್ನ	1	4	1
20.	ಹೊಸ ಯುಕ್ತಿ _____ ಒಡಗೂಡೆ ಧರ್ಮ a) ಹೊಸ ಮಾತು b) ಹಳೆ ತತ್ವ c) ಹಳೆ ಬೇರು d) ನಮ್ಮ ಹೆಸರು	1	2	3
21.	ಕನಕದಾಸರು ಬರೆದ ಕೃತಿ ಯಾವುದು? a) ಮೋಹನ ತರಂಗಿಣಿ b) ಯೋಗಾಂದ ತ್ರಿವಿಧಿ c) ಪುಷ್ಪ ರಗಳೆ d) ಕಬ್ಬಿಗರ ಕಾವ್ಯ	1	2	1
22.	_____ ಕ್ಕೆ ಬಡತನವಲ್ಲದೆ ಮನಕ್ಕೆ ಬಡತನವುಂಟೆ a) ಮನಸು b) ಬುದ್ಧಿ c) ಅಂಗ d) ಸಂಸ್ಕಾರ	1	2	2
23.	ಜಿ ವೆಂಕಟ ಸುಬ್ಬಯ್ಯ ಲೇಖನ ಯಾವುದು? a) "ಕರ್ನಾಟಕದ ಏಕೀಕರಣ - ಒಂದು ಅಪೂರ್ವ ಚರಿತ್ರೆ" b) ವಚನಗಳು c) ಜನಪದಗಳು d) ತತ್ವಪದಗಳು	1	1	1
24.	ಸತ್ತ ಮೇಲೂ ನಿನಗೆ _____ ಉಂಟು ಇಲ್ಲಿ a) ಹೆಸರು b) ಅಧಿಕಾರ c) ಹಣ d) ಶಿಕ್ಷಣ	1	3	1
25.	ಕೃಷ್ಣರಾಜ ಸಾಗರವನ್ನು ಕಟ್ಟಿಸಿದವರು ಯಾರು? a) ನಾಲ್ವಡಿ ಕೃಷ್ಣರಾಜ ಒಡೆಯರ್ b) ದೇವರಾಜ ಅರಸ್ c) ಶಂಕರೇಗೌಡ d) ವಿಶ್ವೇಶ್ವರಯ್ಯ	1	3	1
26.	ನಗುವು ಸಹಜದ ಧರ್ಮ ನಗಿಸುವುದು _____ a) ಸ್ವಧರ್ಮ b) ಮನುಷ್ಯ ಧರ್ಮ c) ಪರಧರ್ಮ d) ಕುಲ ಧರ್ಮ	1	2	1
27.	ಕಾಸಿಂ ಸಾಬರ ಮಗನ ಹೆಸರೇನು? a) ಪ್ರಹ್ಲಾದ b) ಇಸ್ಮಾಯಿಲ್ c) ಅಬ್ದುಲ್ಲಾ d) ಕರೀಂ ಸಾಬ್	1	4	1
28.	ಕನ್ನಡ ಭಾಷೆಗೆ ಎಷ್ಟು ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿಗಳು ಲಭಿಸಿದೆ. a) 6 b) 8 c) 10 d) 12	1	1	1
29.	ಜಗತ್ತಿನಲ್ಲಿ ಹೆಚ್ಚು ಮಂದಿ ಮಾತನಾಡುವ ಭಾಷೆ ಎಂಬ ನೆಲೆಯಲ್ಲಿ _____ ಸ್ಥಾನ ಕನ್ನಡಕ್ಕಿದೆ. a) 25 b) 21 c) 28 d) 29	1	2	1
30.	ಏಷ್ಯಾದ ಅತ್ಯಂತ ಹಳೆಯ ಸ್ಕಾಕ್ ಮಾರ್ಕೆಟ್ ಯಾವುದು? a) ಎನ್‌ಎಸ್‌ಇ b) ನೋಕಿಯಾ ಎಸ್ ಇ c) ಬಿಎಸ್‌ಇ d) ಎನ್ ವೈ ಎಸ್ ಇ	1	4	1
31.	ಕರ್ನಾಟಕ ಯಾವ ಪದದಿಂದ ಉತ್ಪತ್ತಿಯಾಗಿದೆ a) ಬೊಂಬೆ ನಾಡು b) ಕರುನಾಡು c) ಮಲೆನಾಡು d) ಕೆಂಪು ನಾಡು	1	1	2

32.	ವಿಜಯನಗರ ಸಾಮ್ರಾಜ್ಯದ ರಾಜಧಾನಿ ಯಾವುದಾಗಿತ್ತು? a) ಹಂಪಿ b) ಹಾಸನ c) ಮೈಸೂರು d) ಬೆಳಗಾವಿ	1	1	1
33.	ಕರಿ ಘನ _____ ಕಿರಿದನ್ನಬಹುದೇ ಬಾರದಯ್ಯ a) ಗಿರಿ b) ತಮಂದ c) ವಜ್ರ d) ಅಂಕುಶ	1	1	2
34.	ಕನ್ನಡ ಲಿಪಿಯನ್ನು "ಲಿಪಿಗಳ ರಾಣಿ" ಎಂದು ಕರೆದವರು ಯಾರು? a) ಕುವೆಂಪು b) ಮಾಸ್ತಿ c) ಗೋವಿಂದ ಪೈ d) ವಿನೋಬಾ ಭಾವೆ	1	1	2
35.	ವಚನ ಸಾಹಿತ್ಯದ ಕಾಲಘಟ್ಟ ಯಾವುದು? a) 10ನೇ ಶತಮಾನ b) 12ನೇ ಶತಮಾನ c) 14ನೇ ಶತಮಾನ d) 18ನೇ ಶತಮಾನ	1	1	2
36.	ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ ಎಲ್ಲಿ ಸ್ಥಾಪನೆ ಆಯಿತು? a) ಬೆಂಗಳೂರು b) ಧಾರವಾಡ c) ಶಿವಮೊಗ್ಗ d) ಮೈಸೂರು	1	1	1
37.	ಕಾಗಿನೆಲೆ ಆದಿಕೇಶವ ಯಾರ ಅಂಕಿತನಾಮ ? a) ಆಲೂರು ವೆಂಕಟರಾಯರು b) ಕನಕದಾಸರು c) ಪುರಂದರದಾಸರು d) ಹರಿದಾಸರು	1	2	1
38.	ಸುಂಕ ಪದದ ಅರ್ಥವೇನು? a) ಕಾಸು b) ಆಣೆ c) ತೆರಿಗೆ d) ನೋವು	1	2	1
39.	ಅಕ್ಕಮಹಾದೇವಿಯ ಆರಾಧ್ಯ ದೈವ ಯಾರು? a) ಬಸವಣ್ಣ b) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ c) ರಾಮನಾಥ d) ಲಿಂಗಸೂರು	1	1	2
40.	ಷೇರು ಎಂದರೆ a) ಪಾಲು b) ಭಾಗ c) ಘಟಕ d) ಎಲ್ಲವೂ	1	4	1
41.	ಯಾವ ಬೆಂಕಿಯನ್ನು ಕುಂಬಾರಕಿ ಹಚ್ಚುವಳು? a) ಅರಿವು b) ಆಚಾರ c) ಗುಣ d) ಭಕ್ತಿ	1	2	3
42.	ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಮಾಸ್ತರಿಗೆ ಸಹಾಯ ಮಾಡಿದ ದಾದಿ ಯಾರು? a) ಚಾಂದಿನಿ b) ರಾಧಾ c) ಫಾತಿಮಾ d) ರುಕ್ಮಿಣಿ	1	4	1
43.	ಆಲೂರು ವೆಂಕಟರಾಯರು ರಚಿಸಿದ ಕೃತಿ ಯಾವುದು? a) ಕಬ್ಬಿಗರ ಕಾವ್ಯ b) ಕರ್ನಾಟಕ ಗದ್ಯವೈಭವ c) ಭರತೇಶ ವೈಭವ d) ಸಣ್ಣ ಕಥೆಗಳು	1	1	1
44.	ಪ್ರಹಲ್ಲಾದನಿಗೆ ಎಷ್ಟನೇ ವರ್ಷಕ್ಕೆ ಮಾತು ಬಂದಿತ್ತು. a) 4 ವರ್ಷ b) 2 ವರ್ಷ c) 3 ವರ್ಷ d) 1 ವರ್ಷ	1	4	1
45.	ನವಿಲಿಗೆ _____ ಬರೆದವರು ಯಾರು? a) ಕಣ್ಣು b) ಕಿವಿ c) ರೆಕ್ಕೆ d) ಚಿತ್ರ	1	2	1
46.	ಡಾ. ಸರ್. ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯ ವ್ಯಕ್ತಿ ಮತ್ತು ಐತಿಹ ಲೇಖನದ ಲೇಖಕರು ಯಾರು? a) ಎ. ಎನ್. ಮೂರ್ತಿ ರಾವ್ b) ವಸುದೇಂದ್ರ c) ಬೋರಲಿಂಗಯ್ಯ d) ಕರಿಗೌಡ	1	4	1
47.	ಮಾರಯ್ಯನ ಕಾಯಕ ಯಾವುದು? a) ನೇಯ್ಗೆ b) ಬೇಸಾಯ c) ಅಕ್ಕಿ ಆಯುವುದು d) ಹಾಡುವುದು	1	1	2
48.	ಕನ್ನಡದ ಮೊದಲ ಶಾಸನ _____ a) ಹಲ್ಮಡಿ ಶಾಸನ b) ಪಟ್ಟದಕಲ್ಲು ಶಾಸನ c) ಬಾದಾಮಿ ಶಾಸನ d) ಕಪ್ಪೆ ಅರೇ ಭಟ್ಟನ ಶಾಸನ	1	1	1
49.	"ಸಾವಿರ ಕೊಡಗಳ ಸುಟ್ಟು" ತತ್ವಪದ ಬರೆದವರು ಯಾರು ? a) ಮೊಹಮ್ಮದ್ ಶರೀಫ b) ಗೋವಿಂದ ಭಟ್ಟರು c) ಇಮಾಮ್ ಶರೀಫ d) ಶಿಶುನಾಳ ಶರೀಫ	1	2	2
50.	ಸ್ವಾರ್ ಮಾರ್ಕೆಟಿನಲ್ಲಿ ಸೂಚ್ಯಂಕ ಏರಿಕೆಯನ್ನು ಯಾವುದಕ್ಕೆ ಹೋಲಿಸಿದೆ. a) ಐಪಿಓ b) ಗೂಳಿ c) ಕರಡಿ d) ಮುಖಬೆಲೆ	1	4	1

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Version: C



SJC INSTITUTE OF TECHNOLOGY

(An Autonomous Institute under VTU, Belagavi)

FIRST/SECOND SEMESTER B.E DEGREE SEMESTER END EXAMINATIONS

JUNE - JULY 2026

Course:	SAAMSKRUTHIKA KANNADA		
Course Code:	1BSKA109/209	Branches: Common to all Branches	
Max Marks:	50	Duration:	1 Hour

INSTRUCTIONS TO THE CANDIDATES

1. Use only **Black ball point pen** for writing/ darkening the circle
2. Answer all the **fifty** questions, each question carries one mark.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the **OMR** sheet.
4. Darkening two circles for the same question makes the answer invalid.

Q.NO.	Questions	Marks	CO	RBTL
1.	ಯಾವ ಬೆಂಕಿಯನ್ನು ಕುಂಬಾರಕಿ ಹಚ್ಚುವಳು? ಅರಿವು b) ಆಚಾರ c) ಗುಣ d) ಭಕ್ತಿ	1	2	3
2.	ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಮಾಸ್ತರಿಗೆ ಸಹಾಯ ಮಾಡಿದ ದಾದಿ ಯಾರು? ಚಾಂದಿನಿ b) ರಾಧಾ c) ಫಾತಿಮಾ d) ರುಕ್ಮಿಣಿ	1	4	1
3.	ಆಲೂರು ವೆಂಕಟರಾಯರು ರಚಿಸಿದ ಕೃತಿ ಯಾವುದು? a) ಕಬ್ಬಿಗರ ಕಾವ್ಯ b) ಕರ್ನಾಟಕ ಗದ್ಯವೈಭವ c) ಭರತೇಶ ವೈಭವ d) ಸಣ್ಣ ಕಥೆಗಳು	1	1	1
4.	ಪ್ರಹಲ್ಲಾದಿನಿಗೆ ಎಷ್ಟನೇ ವರ್ಷಕ್ಕೆ ಮಾತು ಬಂದಿತ್ತು. 4 ವರ್ಷ b) 2 ವರ್ಷ c) 3 ವರ್ಷ d) 1 ವರ್ಷ	1	4	1
5.	ನವಿಲಿಗೆ _____ ಬರೆದವರು ಯಾರು? ಕಣ್ಣು b) ಕಿವಿ c) ರೆಕ್ಕೆ d) ಚಿತ್ರ	1	2	1
6.	ಡಾ. ಸರ್. ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯ ವ್ಯಕ್ತಿ ಮತ್ತು ಐತಿಹ ಲೇಖನದ ಲೇಖಕರು ಯಾರು? a) ಎ. ಎನ್. ಮೂರ್ತಿ ರಾವ್ b) ವಸುದೇಂದ್ರ c) ಬೋರಲಿಂಗಯ್ಯ d) ಕರಿಗೌಡ	1	4	1
7.	ಮಾರಯ್ಯನ ಕಾಯಕ ಯಾವುದು? ನೇಯ್ಗೆ b) ಬೇಸಾಯ c) ಅಕ್ಕಿ ಆಯುವುದು d) ಹಾಡುವುದು	1	1	2
8.	ಕನ್ನಡದ ಮೊದಲ ಶಾಸನ _____ a) ಹಲ್ಮಡಿ ಶಾಸನ b) ಪಟ್ಟದಕಲ್ಲು ಶಾಸನ c) ಬಾದಾಮಿ ಶಾಸನ d) ಕಪ್ಪೆ ಅರೇ ಭಟ್ಟನ ಶಾಸನ	1	1	1
9.	"ಸಾವಿರ ಕೊಡಗಳ ಸುಟ್ಟು" ತತ್ವಪದ ಬರೆದವರು ಯಾರು ? a) ಮೊಹಮ್ಮದ್ ಶರೀಫ b) ಗೋವಿಂದ ಭಟ್ಟರು c) ಇಮಾಮ್ ಶರೀಫ d) ಶಿಶುನಾಳ ಶರೀಫ	1	2	2
10.	ಸ್ವಾರ್ ಮಾರ್ಕೆ ಟಿನಲ್ಲಿ ಸೂಚ್ಯಂಕ ಏರಿಕೆಯನ್ನು ಯಾವುದಕ್ಕೆ ಹೋಲಿಸಿದೆ. ಐಪಿಟಿ b) ಗೊಳಿ c) ಕರಡಿ d) ಮುಖಬೆಲೆ	1	4	1
11.	"ಒಳಿತು ಮಾಡು ಮನುಸ" ಈ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು? ಮುಷಿ b) ಕನಕದಾಸ c) ನೇಮಿಚಂದ್ರ d) ಹಂಪನಾಗರಾಜಯ್ಯ	1	3	1
12.	ಡಾ. ಸರ್ .ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು ಎಷ್ಟರಲ್ಲಿ ದಿವಾನಗಿರಿಯನ್ನು ತ್ಯಜಿಸಿದರು.	1	4	1

	1919 b) 1918 c) 1917 d) 1920			
13.	ಕದಂಬರು ರಾಜಧಾನಿ ಯಾವುದು? a) ಬಾಗಲಕೋಟೆ b) ಬನವಾಸಿ c) ಹಂಪಿ d) ಬಳ್ಳಾರಿ	1	1	1
14.	ಕುವೆಂಪುರವರ ಯಾವ ಕೃತಿಗೆ ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ದೊರೆತಿತ್ತು. a) ಚಿತ್ರಾಂಗದ b) ಶ್ರೀ ರಾಮಾಯಣ ದರ್ಶನಂ ರಾಮಾಯಣ ದರ್ಶನಂ d) ಕಾನೂರು ಹೆಗ್ಗಡತಿ	1	3	1
15.	ಲತೆ ಪದದ ಅರ್ಥವೇನು? ಗಿಡ b) ಹೂ c) ಮರ d) ಬಳ್ಳಿ	1	2	1
16.	ಸೋಲೆಂಬುದು ಅಲ್ಪವಿರಾಮ ಈ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು? a) ನೇಮಿಚಂದ್ರ b) ಎ.ಎನ್ ಮೂರ್ತಿ ರಾವ್ c) ಮುಷಿ d) ಜಿ ವೆಂಕಟಸುಬ್ಬಯ್ಯ	1	4	1
17.	ಡಿವಿಜಿ ಅವರು ಎಷ್ಟರಲ್ಲಿ ಜನಿಸಿದರು. 887 b) 1907 c) 1917 d) 1927	1	3	1
18.	ಲಿಪಿ ಇರದ ಭಾಷೆಯು ಎಷ್ಟು ಕೌಶಲಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ. ಎರಡು b) ನಾಲ್ಕು c) ಮೂರು d) ಐದು	1	1	2
19.	ಅಲ್ಲಮ್ಮ ಪ್ರಭು ರವರ ಅಂಕಿತನಾಮ ಯಾವುದು? a) ಗುಹೇಶ್ವರ b) ಕೂಡಲಸಂಗಮದೇವ c) ರಾಮನಾಥ d) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ	1	2	2
20.	ಕಾಳಿಯು ಯಾರನ್ನು ಸೀಳಿ ಬರುತಿಹಳು. ದೇವತೆಗಳು b) ಧಾನವರು c) ಮನುಷ್ಯರು d) ದಾನಿಗಳು	1	2	2
21.	ಕರ್ನಾಟಕ ಯಾವ ಪದದಿಂದ ಉತ್ಪತ್ತಿಯಾಗಿದೆ a) ಬೊಂಬೆ ನಾಡು b) ಕರುನಾಡು c) ಮಲೆನಾಡು d) ಕೆಂಪು ನಾಡು	1	1	2
22.	ವಿಜಯನಗರ ಸಾಮ್ರಾಜ್ಯದ ರಾಜಧಾನಿ ಯಾವುದಾಗಿತ್ತು? ಹಂಪಿ b) ಹಾಸನ c) ಮೈಸೂರು d) ಬೆಳಗಾವಿ	1	1	1
23.	ಕರಿ ಘನ _____ ಕಿರಿದೆನ್ನಬಹುದೇ ಬಾರದಯ್ಯ ಗಿರಿ b) ತಮಂದ c) ವಜ್ರ d) ಅಂಕುಶ	1	1	2
24.	ಕನ್ನಡ ಲಿಪಿಯನ್ನು "ಲಿಪಿಗಳ ರಾಣಿ" ಎಂದು ಕರೆದವರು ಯಾರು? ಕುವೆಂಪು b) ಮಾಸ್ತಿ c) ಗೋವಿಂದ ಪೈ d) ವಿನೋಬಾ ಭಾವೆ	1	1	2
25.	ವಚನ ಸಾಹಿತ್ಯದ ಕಾಲಘಟ್ಟ ಯಾವುದು? a) 10ನೇ ಶತಮಾನ b) 12ನೇ ಶತಮಾನ c) 14ನೇ ಶತಮಾನ d) 18ನೇ ಶತಮಾನ	1	1	2
26.	ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ ಎಲ್ಲಿ ಸ್ಥಾಪನೆ ಆಯಿತು? ಬೆಂಗಳೂರು b) ಧಾರವಾಡ c) ಶಿವಮೊಗ್ಗ d) ಮೈಸೂರು	1	1	1
27.	ಕಾಗಿನೆಲೆ ಆದಿಕೇಶವ ಯಾರ ಅಂಕಿತನಾಮ ? a) ಆಲೂರು ವೆಂಕಟರಾಯರು b) ಕನಕದಾಸರು c) ಪುರಂದರದಾಸರು d) ಹರಿದಾಸರು	1	2	1
28.	ಸುಂಕ ಪದದ ಅರ್ಥವೇನು? ಕಾಸು b) ಆಣೆ c) ತೆರಿಗೆ d) ನೋವು	1	2	1
29.	ಅಕ್ಕಮಹಾದೇವಿಯ ಆರಾಧ್ಯ ದೈವ ಯಾರು? a) ಬಸವಣ್ಣ b) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ c) ರಾಮನಾಥ d) ಲಿಂಗಸೂರು	1	1	2
30.	ಷೇರು ಎಂದರೆ ಪಾಲು b) ಭಾಗ c) ಘಟಕ d) ಎಲ್ಲವೂ	1	4	1
31.	ಆಧುನಿಕ ಕಾವ್ಯಭಾಗ ಘಟಕದಲ್ಲಿ ಪರಿಚಯಿಸಲಾಗಿರುವ ಪ್ರಮುಖ ವಚನಕಾರರು ಎಷ್ಟು? ಮೂರು b) ನಾಲ್ಕು c) ಐದು d) ಆರು	1	2	1
32.	"ಕರಿ" ಈ ಪದದ ಅರ್ಥವೇನು? ಗಜ b) ಅಶ್ವ c) ಕತ್ತೆ d) ಹುಲಿ	1	2	1

33.	ವಿಷ್ಣುವ ಪದದ ಅರ್ಥವೇನು? ಕಾಂತಿ b) ಸ್ವರ್ಗ c) ಆಟ d) ಮಾತು	1	2	2
34.	ಯಾವ ಸಿಂಹಾಸನಕ್ಕೆ ಕೊನೆಗಾಲ ಬಂದಿರುವುದು? ಇಂದ್ರ b) ಕೌರವರು c) ರಾಮ d) ಮಂತ್ರಿ	1	2	1
35.	ನಮ್ಮ ರಾಜ್ಯದಲ್ಲಿ ಎಷ್ಟು ಭಾಷಾ ಸೂತ್ರ ಬಳಕೆಯಲ್ಲಿದೆ? ದ್ವಿ b) ಏಕ c) ತ್ರಿ d) ಚತುರ್	1	1	1
36.	ವಸುದೇಂದ್ರ ಅವರ ಜನ್ಮಸ್ಥಳ ಯಾವುದು? ಸಂಡೂರು b) ಬಾಗೇವಾಡಿ c) ಕದಳಿ d) ಮೇಲುಕೋಟೆ	1	4	1
37.	ಗೋಪಣ್ಣ ಮಾಸ್ತರಿಗೆ ಎಷ್ಟು ವರ್ಷ ಸರ್ವಿಸ್ ಆಗಿತ್ತು. 40 ವರ್ಷ b) 30 ವರ್ಷ c) 25 ವರ್ಷ d) 35 ವರ್ಷ	1	1	5
38.	ಗಡಗಿ ತಯಾರು ಮಾಡುವಾಕಿ ಎಷ್ಟು ಸುತ್ತನ್ನು ತಿರುಗಿ ತಯಾರು ಮಾಡುವಳು 360 b) 363 c) 365 d) 362	1	2	2
39.	ಡಾ. ಸರ್. ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯ ನವರಿಗೆ ಭಾರತದ ಯಾವ ಅತ್ಯುನ್ನತ ಪ್ರಶಸ್ತಿ ಲಭಿಸಿದೆ. a) ಭಾರತ ರತ್ನ b) ಕರ್ನಾಟಕ ರತ್ನ c) ಸಮಾಜ ರತ್ನ d) ಮೈಸೂರು ರತ್ನ	1	4	1
40.	ಹೊಸ ಯುಕ್ತಿ _____ ಒಡಗೂಡೆ ಧರ್ಮ ಹೊಸ ಮಾತು b) ಹಳೆ ತತ್ವ c) ಹಳೆ ಬೇರು d) ನಮ್ಮ ಹೆಸರು	1	2	3
41.	ಕನಕದಾಸರು ಬರೆದ ಕೃತಿ ಯಾವುದು? a) ಮೋಹನ ತರಂಗಿಣಿ b) ಯೋಗಾಂದ ತ್ರಿವಿಧಿ c) ಪುಷ್ಪ ರಗಳೆ d) ಕಬ್ಬಿಗರ ಕಾವ್ಯ	1	2	1
42.	_____ ಕ್ಕೆ ಬಡತನವಲ್ಲದೆ ಮನಕ್ಕೆ ಬಡತನವುಂಟೆ ಮನಸು b) ಬುದ್ಧಿ c) ಅಂಗ d) ಸಂಸ್ಕಾರ	1	2	2
43.	ಜಿ ವೆಂಕಟ ಸುಬ್ಬಯ್ಯ ಲೇಖನ ಯಾವುದು? a) "ಕರ್ನಾಟಕದ ಏಕೀಕರಣ - ಒಂದು ಅಪೂರ್ವ ಚರಿತ್ರೆ" b) ವಚನಗಳು c) ಜನಪದಗಳು d) ತತ್ವಪದಗಳು	1	1	1
44.	ಸತ್ತ ಮೇಲೂ ನಿನಗೆ _____ ಉಂಟು ಇಲ್ಲಿ ಹೆಸರು b) ಅಧಿಕಾರ c) ಹಣ d) ಶಿಕ್ಷಣ	1	3	1
45.	ಕೃಷ್ಣರಾಜ ಸಾಗರವನ್ನು ಕಟ್ಟಿಸಿದವರು ಯಾರು? a) ನಾಲ್ವಡಿ ಕೃಷ್ಣರಾಜ ಒಡೆಯರ್ b) ದೇವರಾಜ ಅರಸ್ c) ಶಂಕರೇಗೌಡ d) ವಿಶ್ವೇಶ್ವರಯ್ಯ	1	3	1
46.	ನಗುವು ಸಹಜದ ಧರ್ಮ ನಗಿಸುವುದು _____ ಸ್ವಧರ್ಮ b) ಮನುಷ್ಯ ಧರ್ಮ c) ಪರಧರ್ಮ d) ಕುಲ ಧರ್ಮ	1	2	1
47.	ಕಾಸಿಂ ಸಾಬರ ಮಗನ ಹೆಸರೇನು? ಪ್ರಹ್ಲಾದ b) ಇಸ್ಮಾಯಿಲ್ c) ಅಬ್ದುಲ್ಲಾ d) ಕರೀಂ ಸಾಬ್	1	4	1
48.	ಕನ್ನಡ ಭಾಷೆಗೆ ಎಷ್ಟು ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿಗಳು ಲಭಿಸಿದೆ. 6 b) 8 c) 10 d) 12	1	1	1
49.	ಜಗತ್ತಿನಲ್ಲಿ ಹೆಚ್ಚು ಮಂದಿ ಮಾತನಾಡುವ ಭಾಷೆ ಎಂಬ ನೆಲೆಯಲ್ಲಿ _____ ಸ್ಥಾನ ಕನ್ನಡಕ್ಕಿದೆ. 25 b) 21 c) 28 d) 29	1	2	1
50.	ಏಷ್ಯಾದ ಅತ್ಯಂತ ಹಳೆಯ ಸ್ಕಾಕ್ ಮಾರ್ಕೆಟ್ ಯಾವುದು? a) ಎನ್‌ಎಸ್‌ಇ b) ನೋಕಿಯಾ ಎಸ್ ಇ c) ಬಿಎಸ್‌ಇ d) ಎನ್ ವೈ ಎಸ್ ಇ	1	4	1

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Version: D



SJC INSTITUTE OF TECHNOLOGY

(An Autonomous Institute under VTU, Belagavi)

FIRST/SECOND SEMESTER B.E DEGREE SEMETER END EXAMINATIONS

JUNE - JULY 2026

Course:	SAAMSKRUTHIKA KANNADA		
Course Code:	1BSKA109/209	Branches: Common to all Branches	
Max Marks:	50	Duration:	1 Hour

INSTRUCTIONS TO THE CANDIDATES

1. Use only **Black ball point pen** for writing/ darkening the circle
2. Answer all the **fifty** questions, each question carries one mark.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the **OMR** sheet.
4. Darkening two circles for the same question makes the answer invalid.

Q.NO.	Questions	Marks	CO	RBTL
1.	ಆಧುನಿಕ ಕಾವ್ಯಭಾಗ ಘಟಕದಲ್ಲಿ ಪರಿಚಯಿಸಲಾಗಿರುವ ಪ್ರಮುಖ ವಚನಕಾರರು ಎಷ್ಟು? a) ಮೂರು b) ನಾಲ್ಕು c) ಐದು d) ಆರು	1	2	1
2.	"ಕರಿ" ಈ ಪದದ ಅರ್ಥವೇನು? a) ಗಜ b) ಅಶ್ವ c) ಕತ್ತೆ d) ಹುಲಿ	1	2	1
3.	ವಿಷ್ಣುವ ಪದದ ಅರ್ಥವೇನು? a) ಕ್ರಾಂತಿ b) ಸ್ವರ್ಗ c) ಆಟ d) ಮಾತು	1	2	2
4.	ಯಾವ ಸಿಂಹಾಸನಕ್ಕೆ ಕೊನೆಗಾಲ ಬಂದಿರುವುದು? a) ಇಂದ್ರ b) ಕೌರವರು c) ರಾಮ d) ಮಂತ್ರಿ	1	2	1
5.	ನಮ್ಮ ರಾಜ್ಯದಲ್ಲಿ ಎಷ್ಟು ಭಾಷಾ ಸೂತ್ರ ಬಳಕೆಯಲ್ಲಿದೆ? a) ದ್ವಿ b) ಏಕ c) ತ್ರಿ d) ಚತುರ್	1	1	1
6.	ವಸುದೇಂದ್ರ ಅವರ ಜನ್ಮಸ್ಥಳ ಯಾವುದು? a) ಸಂಡೂರು b) ಬಾಗೇವಾಡಿ c) ಕದಳಿ d) ಮೇಲುಕೋಟೆ	1	4	1
7.	ಗೋಪಣ್ಣ ಮಾಸ್ತರಿಗೆ ಎಷ್ಟು ವರ್ಷ ಸರ್ವಿಸ್ ಆಗಿತ್ತು. a) 40 ವರ್ಷ b) 30 ವರ್ಷ c) 25 ವರ್ಷ d) 35 ವರ್ಷ	1	1	5
8.	ಗಡಗಿ ತಯಾರು ಮಾಡುವಾಕಿ ಎಷ್ಟು ಸುತ್ತನ್ನು ತಿರುಗಿ ತಯಾರು ಮಾಡುವಳು a) 360 b) 363 c) 365 d) 362	1	2	2
9.	ಡಾ. ಸರ್. ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯ ನವರಿಗೆ ಭಾರತದ ಯಾವ ಅತ್ಯುನ್ನತ ಪ್ರಶಸ್ತಿ ಲಭಿಸಿದೆ. a) ಭಾರತ ರತ್ನ b) ಕರ್ನಾಟಕ ರತ್ನ c) ಸಮಾಜ ರತ್ನ d) ಮೈಸೂರು ರತ್ನ	1	4	1
10.	ಹೊಸ ಯುಕ್ತಿ _____ ಒಡಗೂಡೆ ಧರ್ಮ a) ಹೊಸ ಮಾತು b) ಹಳೆ ತತ್ವ c) ಹಳೆ ಬೇರು d) ನಮ್ಮ ಹೆಸರು	1	2	3
11.	ಕರ್ನಾಟಕ ಯಾವ ಪದದಿಂದ ಉತ್ಪತ್ತಿಯಾಗಿದೆ a) ಬೊಂಬೆ ನಾಡು b) ಕರುನಾಡು c) ಮಲೆನಾಡು d) ಕೆಂಪು ನಾಡು	1	1	2
12.	ವಿಜಯನಗರ ಸಾಮ್ರಾಜ್ಯದ ರಾಜಧಾನಿ ಯಾವುದಾಗಿತ್ತು? a) ಹಂಪಿ b) ಹಾಸನ c) ಮೈಸೂರು d) ಬೆಳಗಾವಿ	1	1	1

13.	ಕರಿ ಘನ _____ ಕಿರಿದೆನ್ನಬಹುದೇ ಬಾರದಯ್ಯ a) ಗಿರಿ b) ತಮಂದ c) ವಜ್ರ d) ಅಂಕುಶ	1	1	2
14.	ಕನ್ನಡ ಲಿಪಿಯನ್ನು "ಲಿಪಿಗಳ ರಾಣಿ" ಎಂದು ಕರೆದವರು ಯಾರು? a) ಕುವೆಂಪು b) ಮಾಸ್ತಿ c) ಗೋವಿಂದ ಪೈ d) ವಿನೋಬಾ ಭಾವೆ	1	1	2
15.	ವಚನ ಸಾಹಿತ್ಯದ ಕಾಲಘಟ್ಟ ಯಾವುದು? a) 10ನೇ ಶತಮಾನ b) 12ನೇ ಶತಮಾನ c) 14ನೇ ಶತಮಾನ d) 18ನೇ ಶತಮಾನ	1	1	2
16.	ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ ಎಲ್ಲಿ ಸ್ಥಾಪನೆ ಆಯಿತು? a) ಬೆಂಗಳೂರು b) ಧಾರವಾಡ c) ಶಿವಮೊಗ್ಗ d) ಮೈಸೂರು	1	1	1
17.	ಕಾಗಿನೆಲೆ ಆದಿಕೇಶವ ಯಾರ ಅಂಕಿತನಾಮ ? a) ಆಲೂರು ವೆಂಕಟರಾಯರು b) ಕನಕದಾಸರು c) ಪುರಂದರದಾಸರು d) ಹರಿದಾಸರು	1	2	1
18.	ಸುಂಕ ಪದದ ಅರ್ಥವೇನು? a) ಕಾಸು b) ಆಣೆ c) ತೆರಿಗೆ d) ನೋವು	1	2	1
19.	ಅಕ್ಕಮಹಾದೇವಿಯ ಆರಾಧ್ಯ ದೈವ ಯಾರು? a) ಬಸವಣ್ಣ b) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ c) ರಾಮನಾಥ d) ಲಿಂಗಸೂರು	1	1	2
20.	ಷೇರು ಎಂದರೆ a) ಪಾಲು b) ಭಾಗ c) ಘಟಕ d) ಎಲ್ಲವೂ	1	4	1
21.	ಯಾವ ಬೆಂಕಿಯನ್ನು ಕುಂಬಾರಕಿ ಹಚ್ಚುವಳು? a) ಅರಿವು b) ಆಚಾರ c) ಗುಣ d) ಭಕ್ತಿ	1	2	3
22.	ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಮಾಸ್ತರಿಗೆ ಸಹಾಯ ಮಾಡಿದ ದಾದಿ ಯಾರು? a) ಚಾಂದಿನಿ b) ರಾಧಾ c) ಫಾತಿಮಾ d) ರುಕ್ಮಿಣಿ	1	4	1
23.	ಆಲೂರು ವೆಂಕಟರಾಯರು ರಚಿಸಿದ ಕೃತಿ ಯಾವುದು? a) ಕಬ್ಬಿಗರ ಕಾವ್ಯ b) ಕರ್ನಾಟಕ ಗದ್ಯವೈಭವ c) ಭರತೇಶ ವೈಭವ d) ಸಣ್ಣ ಕಥೆಗಳು	1	1	1
24.	ಪ್ರಹಲ್ಲಾದಿನಿಗೆ ಎಷ್ಟನೇ ವರ್ಷಕ್ಕೆ ಮಾತು ಬಂದಿತ್ತು. a) 4 ವರ್ಷ b) 2 ವರ್ಷ c) 3 ವರ್ಷ d) 1 ವರ್ಷ	1	4	1
25.	ನವಿಲಿಗೆ _____ ಬರೆದವರು ಯಾರು? a) ಕಣ್ಣು b) ಕಿವಿ c) ರೆಕ್ಕೆ d) ಚಿತ್ರ	1	2	1
26.	ಡಾ. ಸರ್. ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯ ವ್ಯಕ್ತಿ ಮತ್ತು ಐತಿಹ ಲೇಖನದ ಲೇಖಕರು ಯಾರು? a) ಎ. ಎನ್. ಮೂರ್ತಿ ರಾವ್ b) ವಸುದೇಂದ್ರ c) ಬೋರಲಿಂಗಯ್ಯ d) ಕರಿಗೌಡ	1	4	1
27.	ಮಾರಯ್ಯನ ಕಾಯಕ ಯಾವುದು? a) ನೇಯ್ಗೆ b) ಬೇಸಾಯ c) ಅಕ್ಕಿ ಆಯುವುದು d) ಹಾಡುವುದು	1	1	2
28.	ಕನ್ನಡದ ಮೊದಲ ಶಾಸನ _____ a) ಹಲ್ಮಡಿ ಶಾಸನ b) ಪಟ್ಟದಕಲ್ಲು ಶಾಸನ c) ಬಾದಾಮಿ ಶಾಸನ d) ಕಪ್ಪೆ ಅರೇ ಭಟ್ಟನ ಶಾಸನ	1	1	1
29.	"ಸಾವಿರ ಕೊಡಗಳ ಸುಟ್ಟು" ತತ್ವಪದ ಬರೆದವರು ಯಾರು ? a) ಮೊಹಮ್ಮದ್ ಶರೀಫ b) ಗೋವಿಂದ ಭಟ್ಟರು c) ಇಮಾಮ್ ಶರೀಫ d) ಶಿಶುನಾಳ ಶರೀಫ	1	2	2
30.	ಸ್ವಾರ್ ಮಾರ್ಕೆಟಿನಲ್ಲಿ ಸೂಚ್ಯಂಕ ಏರಿಕೆಯನ್ನು ಯಾವುದಕ್ಕೆ ಹೋಲಿಸಿದೆ. a) ಐಪಿಟಿ b) ಗೂಳಿ c) ಕರಡಿ d) ಮುಖಬೆಲೆ	1	4	1
31.	ಕನಕದಾಸರು ಬರೆದ ಕೃತಿ ಯಾವುದು? a) ಮೋಹನ ತರಂಗಿಣಿ b) ಯೋಗಾಂದ ತ್ರಿವಿಧಿ c) ಪುಷ್ಪ ರಗಳೆ d) ಕಬ್ಬಿಗರ ಕಾವ್ಯ	1	2	1
32.	_____ ಕ್ಕೆ ಬಡತನವಲ್ಲದೆ ಮನಕ್ಕೆ ಬಡತನವುಂಟೆ a) ಮನಸು b) ಬುದ್ಧಿ c) ಅಂಗ d) ಸಂಸ್ಕಾರ	1	2	2

33.	ಜಿ ವೆಂಕಟ ಸುಬ್ಬಯ್ಯ ಲೇಖನ ಯಾವುದು? a) "ಕರ್ನಾಟಕದ ಏಕೀಕರಣ - ಒಂದು ಅಪೂರ್ವ ಚರಿತ್ರೆ" b) ವಚನಗಳು c) ಜನಪದಗಳು d) ತತ್ವಪದಗಳು	1	1	1
34.	ಸತ್ತ ಮೇಲೂ ನಿನಗೆ _____ ಉಂಟು ಇಲ್ಲಿ a) ಹೆಸರು b) ಅಧಿಕಾರ c) ಹಣ d) ಶಿಕ್ಷಣ	1	3	1
35.	ಕೃಷ್ಣರಾಜ ಸಾಗರವನ್ನು ಕಟ್ಟಿಸಿದವರು ಯಾರು? a) ನಾಲ್ವಡಿ ಕೃಷ್ಣರಾಜ ಒಡೆಯರ್ b) ದೇವರಾಜ ಅರಸ್ c) ಶಂಕರೇಗೌಡ d) ವಿಶ್ವೇಶ್ವರಯ್ಯ	1	3	1
36.	ನಗುವು ಸಹಜದ ಧರ್ಮ ನಗಿಸುವುದು _____ a) ಸ್ವಧರ್ಮ b) ಮನುಷ್ಯ ಧರ್ಮ c) ಪರಧರ್ಮ d) ಕುಲ ಧರ್ಮ	1	2	1
37.	ಕಾಸಿಂ ಸಾಬರ ಮಗನ ಹೆಸರೇನು? a) ಪ್ರಹ್ಲಾದ b) ಇಸ್ಮಾಯಿಲ್ c) ಅಬ್ದುಲ್ಲಾ d) ಕರೀಂ ಸಾಬ್	1	4	1
38.	ಕನ್ನಡ ಭಾಷೆಗೆ ಎಷ್ಟು ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿಗಳು ಲಭಿಸಿದೆ. a) 6 b) 8 c) 10 d) 12	1	1	1
39.	ಜಗತ್ತಿನಲ್ಲಿ ಹೆಚ್ಚು ಮಂದಿ ಮಾತನಾಡುವ ಭಾಷೆ ಎಂಬ ನೆಲೆಯಲ್ಲಿ ____ ಸ್ಥಾನ ಕನ್ನಡಕ್ಕಿದೆ. a) 25 b) 21 c) 28 d) 29	1	2	1
40.	ಏಷ್ಯಾದ ಅತ್ಯಂತ ಹಳೆಯ ಸ್ವಾಕ್ ಮಾರ್ಕೆಟ್ ಯಾವುದು? a) ಎನ್‌ಎಸ್‌ಇ b) ನೋಕಿಯಾ ಎಸ್ ಇ c) ಬಿಎಸ್‌ಇ d) ಎನ್‌ವೈ ಎಸ್ ಇ	1	4	1
41.	"ಒಳಿತು ಮಾಡು ಮನುಸ" ಈ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು? a) ಋಷಿ b) ಕನಕದಾಸ c) ನೇಮಿಚಂದ್ರ d) ಹಂಪನಾಗರಾಜಯ್ಯ	1	3	1
42.	ಡಾ. ಸರ್ .ಎಂ ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು ಎಷ್ಟರಲ್ಲಿ ದಿವಾನಗರಿಯನ್ನು ತ್ಯಜಿಸಿದರು. a) 1919 b) 1918 c) 1917 d) 1920	1	4	1
43.	ಕದಂಬರು ರಾಜಧಾನಿ ಯಾವುದು? a) ಬಾಗಲಕೋಟೆ b) ಬನವಾಸಿ c) ಹಂಪಿ d) ಬಳ್ಳಾರಿ	1	1	1
44.	ಕುವೆಂಪುರವರ ಯಾವ ಕೃತಿಗೆ ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ದೊರೆತಿತ್ತು. a) ಚಿತ್ರಾಂಗದ b) ಶ್ರೀ ರಾಮಾಯಣ ದರ್ಶನಂ c) ರಾಮಾಯಣ ದರ್ಶನಂ d) ಕಾನೂರು ಹೆಗ್ಗಡತಿ	1	3	1
45.	ಲತೆ ಪದದ ಅರ್ಥವೇನು? a) ಗಿಡ b) ಹೂ c) ಮರ d) ಬಳ್ಳಿ	1	2	1
46.	ಸೋಲೆಂಬುದು ಅಲ್ಪವಿರಾಮ ಈ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು? a) ನೇಮಿಚಂದ್ರ b) ಎ.ಎನ್ ಮೂರ್ತಿ ರಾವ್ c) ಋಷಿ d) ಜಿ ವೆಂಕಟಸುಬ್ಬಯ್ಯ	1	4	1
47.	ಡಿವಿಜಿ ಅವರು ಎಷ್ಟರಲ್ಲಿ ಜನಿಸಿದರು. a) 887 b) 1907 c) 1917 d) 1927	1	3	1
48.	ಲಿಪಿ ಇರದ ಭಾಷೆಯು ಎಷ್ಟು ಕೌಶಲಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ. a) ಎರಡು b) ನಾಲ್ಕು c) ಮೂರು d) ಐದು	1	1	2
49.	ಅಲ್ಲಮ್ಮ ಪ್ರಭು ರವರ ಅಂಕಿತನಾಮ ಯಾವುದು? a) ಗುಹೇಶ್ವರ b) ಕೂಡಲಸಂಗಮದೇವ c) ರಾಮನಾಥ d) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ	1	2	2
50.	ಕಾಳಿಯು ಯಾರನ್ನು ಸೀಳಿ ಬರುತ್ತಿಹಳು. a) ದೇವತೆಗಳು b) ಧಾನವರು c) ಮನುಷ್ಯರು d) ದಾನಿಗಳು	1	2	2