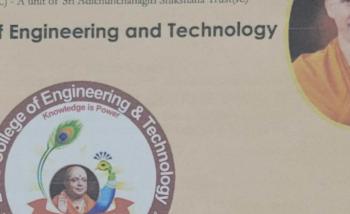
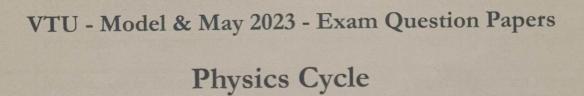


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BGS College Of Engineering and Technology











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BGS College of Engineering and Technology (BGSCET)

Mahalakshmipuram, West of Chord Road, Bengaluru-560086 (Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)

Physics Cycle 2022-Scheme

Model & Theory Question Papers for 1st Semester

SI, No	Name of the Subject	
1	Mathematics-1 for CSE Stream	Model Question Paper
2	Applied Physics for CSE Stream	Model Question Paper
3	Principles of Programming Using C-(MQP 1-3)	Model Question Paper
4	Introduction to Electrical Engineering	Model Question Paper
5	Renewable Energy Sources for CSE Stream	Model Question Paper
6	Mathematics-1 for CSE Stream	Theory Question Paper
7	Applied Physics for CSE Stream	Theory Question Paper
8	Principles of Programming Using C	Theory Question Paper
9	Introduction to Electrical Engineering	Theory Question Paper
10	Renewable Energy Sources for CSE Stream	Theory Question Paper
11	Introduction for Internet of Things	Theory Question Paper
12	Communicative English	Theory Question Paper
13	Samskruthika Kannada	Theory Question Paper
14	Balake Kannada	Theory Question Paper
15	Innovation & Design Thinking	Theory Question Paper

CBCS SCHEME

First	Semester	B.E	Degree	Examination	
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Mathematics-I for Computer Science Engineering Stream (BMATS101)

TIME: 03Hours

Max.Marks:100

- 1. Note: Answer any FIVE full questions, choosing at least ONE question from each MODULE
- 2. VTU Formula Hand Book is Permitted
- 3. M: Marks, L: Bloom's level, C: Course outcomes.

		Module - I	M	L	C
2.1	3	With usual notation prove that $\tan \phi = r \frac{d\theta}{dr}$.			CO
	, plant	Find the anglebetween the curves $r = a \log \theta$, $r = \frac{\theta}{\log \theta}$	7	1.2	CO
	C	Show that the radius of curvature at any point of the cycloid $x = a(\theta + \sin \theta), y = a(1 - \cos \theta)$ is $4a \cos \left(\frac{\theta}{2}\right)$.	7	hand Co.	co
		OR			
Q.2	1,728	Show that the curves $r = a(1 + \sin \theta)$ and $r = a(1 + \sin \theta)$ cut each other orthogonally.	7	1.2	CO
	6	Find the pedal equation of the curve $\frac{2a}{r} = (1 + \cos \theta)$.	8	1.2	CO
	c	Using modern mathematical tool write a program/code to plot the curve $r = 2 \cos 2\theta $.	15	1.3	CO
	•	Module – 2			
Q.3	a	Expand $\log(\sec x)$ by Maclaurin's series up to the term containing x^4 .	6	1.2	CO
	b	If $u = e^{(ax+by)}f(ax-by)$, prove that $b\frac{\partial u}{\partial x} + a\frac{\partial u}{\partial y} = 2abu$ by using concepts composite functions.	7	1	CO
	c	Find the extreme values of the function $f(x, y) = x^3 + 3xy^2 - 3y^2 - 3x^2 + 4$	7	Towns Table	COI
		OR			
Q.4	2	Evaluate (i) $\lim_{x \to 0} \left(\frac{a^x + b^x}{2} \right)^{\frac{1}{x}}$. (ii) $\lim_{x \to 0} \left(\frac{tanx}{x} \right)^{1/x}$.	7	L2	COI
		A SECURITION OF THE PARTY OF TH			

	b	If $x + y + z = u$, $y + z = uv$, $z = uvw$ find $\frac{\partial(x, y, z)}{\partial(u, v, w)}$.	8	1.2	COI
	c	Using modern mathematical tool write a program/code to show that $u_{xx} + u_{yy} = 0$ given $u = e^x(x \cos(y) - y \sin(y))$.	5	1.3	CO5
	١.	Module 3			
Q.5	33	Solve: $\frac{dy}{dx} + \frac{y}{x} = x^2 y^6$.	6	12	CO2
	**	Find the orthogonal trajectories of $\frac{x^2}{a^2} + \frac{y^2}{b^2 + \lambda} = 1$, where λ is a parameter.	7	1.3	CO2
	C	Solve $xyp^2 - (x^2 + y^2)y + xy = 0$.	7	1.2	CO2
		OR			
Q.6	a	Solve $(x^2 + y^2 + x) dx + xy dy = 0$	6.	1.2	C02
	b	When a switch is closed in a circuit containing a battery E, a resistance R and an inductance L, the current i build up at a rate given by $L\frac{di}{dt} + Ri = E$. Find i as a function of t. How long will it be, before the current has reached one-half its final value, if E=6 volts, R=100 Ohms and L=0.1 Henry?	7	4.3	CO2
	c	Find the general solution of the equation $(px-y)(py+x) = a^2p$ by reducing into Clairaut's form by taking the substitution $X = x^2$, $Y = y^2$.	7	L.2	CO2
		Module – 4			
Q.7	2	Find the least positive values of x such that (i) $71 \equiv x \pmod{8}$ (ii) $78 + x \equiv 3 \pmod{5}$ (iii) $89 \equiv (x+3) \pmod{4}$	6	1.2	COS
	b	Find the remainder when $(349 \times 74 \times 36)$ is divided by 3.	7	1.2	COS
	e	Solve: $2x + 6y \equiv 1 \pmod{7}$ and $4x + 2y \equiv 2 \pmod{7}$.	7	1.3	co:
		OR			
Q.8	a	(i) Find the last digit of 7^{2013} (ii) Find the last digit of 13^{37} .	6	1.2	CO:
	b	Find the remainder when the number 2^{1000} is divided by 13.	7	1.3	CO:
	c	Find the remainder when 14! is divided by 17.	7	L2	CO.

		Module - 5			
Q.9	a	Find the rank of the matrix $\begin{bmatrix} 2 & 3 & -1 & -1 \\ 1 & -1 & -2 & -4 \\ 3 & 1 & 3 & -2 \\ 6 & 3 & 0 & -7 \end{bmatrix}$	6	1.2	CO4
	b	Solve the system of equations by Gauss-Jordan method $x+y+z=10$, $2x-y+3z=19$, $x+2y+3z=22$.	7	1.3	CO4
	c	Forwhatvalues λ and μ thesystemo fequations $2x+3y+5z=9$, $7x+3y-2z=8$, $2x+3y+\lambda z=\mu$, has (i) nosolution (ii) auniquesolutionand (iii) infinitenumber of solutions.	7	1.2	CO4
18.40	3 %	OR			
Q.10	2	Solve the following system of equations by Gauss – Seidel method $10x + y + z = 12$, $x + 10y + z = 12$, $x + y + 10z = 12$.	8	1.3	CO4
	b	Solve the following system of equations by Gauss-Elimination method $x+y+z=9$, $x-2y+3z=8$, $2x+y-z=3$.	7	L3	C04
	c	Using modern mathematical tool write a program/code to find the largest eigen value of $A = \begin{bmatrix} 1 & 1 & 3 \\ 1 & 5 & 1 \\ 3 & 1 & 1 \end{bmatrix}$ by power method.	5	L3	CO5

*Model Question Paper-I with effect from 2022-23 (CBCS Scheme)

USN

First/Second Semester B.E. Degree Examination

Applied Physics for Computer Science Stream

TIME: 03 Hours

Note:

Max. Marks: 100
01. Answer any FIVE full questions, choosing at least ONE question from each MODULE.

02. Draw neat sketches where ever necessary.

03. **Constants**: Speed of Light 'c' = 3×10^8 ms⁻¹, Boltzmann Constant 'k' = 1.38×10^{-23} JK⁻¹, Planck's Constant 'h' = 6.625×10^{-34} Js, Acceleration due to gravity 'g'= 9.8 ms⁻², Permittivity of free space ' ε_0 '= 8.854×10^{-12} F m⁻¹.

		Module -1	*Bloom's Taxonomy Level	Marks
2.01	a	Define LASER and Discuss the interaction of radiation with matter.	L2	7
	b	Define Acceptance angle and Numerical Aperture and hence derive an expression for NA in terms of RIs core, cladding and surrounding.	L2	8
	С	A LASER source has a power output of 10 ⁻³ W. Calculate the number of photons emitted per second given the wavelength of LASER 692.8 nanometer.	L3	5
		OR		
Q.02	a	Illustrate the construction and working of Semiconductor LASER with a neat sketch and energy level diagram also mention its applications.	L2	9
	b	Discuss the types of optical fibers based on Modes of Propagation and RI profile.	L2	6
	С	Obtain the attenuation co-efficient of the given fiber of length 1500 m given the input and output power 100 mW and 70 mW.	L3	5
		Module-2		
Q.03	a	Setup SchrÖdinger time independent wave equation in one dimension.	L2	8
4.00	b	State and Explain Heisenberg's Uncertainty principle and Principle of Complementarity.	L2	7
	С	An electron is kinetic energy 500 keV is in vacuum. Calculate the group velocity and de Broglie wavelength assuming the mass of the moving electron is equal to the rest mass of electron.	L3	5
	-	OR		
Q.04	a	Discuss the motion of a quantum particle in a one-dimensional infinite potential well of width 'a' and also obtain the eigen functions and energy eigen states.	L2	10
	h	Explain the physical significance of the Wave Function.	L2	5
	c	The speed of electron is measured to with in an uncertainty of 2×10^4 ms ⁻¹ in one dimension. What is the minimum width required by the electron to be confined in an atom?	L3	5
		Module-3		
0.05	Ta	Define a bit and qbit and explain the properties of qubit.	L2	6
Q.05	b	Discuss the CNOT gate and its operation on four different input states.	L2	6
	C	A Linear Operator 'X' operates such that $X 0\rangle = 1\rangle$ and $X 1\rangle = 0\rangle$. Find the matrix representation of 'X'.	L3	8
		OR		
Q.06	a	State the Pauli matrices and apply Pauli matrices on the states 0 \) and 1 \):		8
	b	+ 1 1 1 1: If a representation classical and quantum computing.	L2	6

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3	°C	Describe the working of controlled-Z gate mentioning its matrix representation and truth-table.	L3	6
		Module-4		
Q.07	a	Define Fermi Factor and Discuss the variation of Fermi factor with temperature and energy.	L2	7
	b	Explain DC and AC Josephson effects and mention the applications of superconductivity in quantum computing.	L2	8
	С	Calculate the probability of occupation of an energy level 0.2 eV above fermi level at temperature 27°C.	L3	5
		OR		
Q.08	a	Describe Meissner's Effect and hence classify superconductors into Soft and Hard superconductors using M-H graphs.	L2	9
	b	Enumerate the assumptions of Quantum free Electron Theory of Metals	L2	6
	C	Lead has superconducting transition temperature of 7.26 K. If the initial field at 0K is 50×10^3 Am ⁻¹ Calculate the critical field at 6k.	L3	5
		Module-5		
Q.09	a	Discuss timing in Linear motion, Uniform motion, slow in and slow out.	L2	8
	b	Distinguish between descriptive and inferential statistics.	L2	6
	C	Illustrate the odd rule and odd rule multipliers with a suitable example.	L3	6
		OR		
Q.10	a	Describe Jumping and parts of jump.	L2	8
	Ь	Discuss the salient features of Normal distribution using bell curves.	L2	7
	С	The number of particles emitted per second by a random radioactive source has a Poisson's distribution with $\lambda = 4$. Calculate the probability of $P(X = 0)$ and $P(X = 1)$.	L3	5

^{*}Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.

-			tcome		
	iestion	Bloom's Taxonomy Level attached	Course Outcome	Program Outcom	
Q.1	(a)	L2	1	1,2,12	
	(b)	L2	1	1	
	(c)	L3	1	1,2	
Q.2	(a)	L2	1	1	
	(b)	L2	1	1,2	
	(c)	L3	1	1,2,12	
Q.3	(a)	L2	2	1,2	
	(b)	L2	2	1,2,12	
,	(c)	L3	2	1,2	
Q.4	(a)	L2	2	1,2	
	(b)	L2	2	1,2,12	
	(c)	L3	2	1,2	
Q.5	(a)	L2	2	1,2	
	(b)	L2	2	1,2	
	(c)	L3	2	1,2,12	
Q.6	(a)	L3	2	1,2,12	
	(b)	L2	2	1,2	
	(c)	L2	2	1,2	
Q.7	(a)	L2	3	1,2	
	(b)	L2	3	1,2	
	(c)	L3	3	1,2,12	
Q.8	(a)	L2	3	1,2	
	(b)	L2	3	1,2	
	(c)	L3	3	1,2	
Q.9	(a)	L1	4	1,2	
Charle	(b)	L2	4	1,2,12	
	(c)	L3	4	1,2,5	
Q.10	(a)	L2	4	1,2	
	(b)	L2	4		
	(c)	L3	4	1,2,12 1,2	

Model Question Paper-II with effect from 2022-23 (CBCS Scheme)

USN

First/Second Semester B.E. Degree Examination

Applied Physics for Computer Science Stream

TIME: 03 Hours

Max. Marks: 100

Note:

01. Answer any FIVE full questions, choosing at least ONE question from each MODULE.

02. Draw neat sketches where ever necessary.

03. Constants: Speed of Light 'c' = 3×10^8 ms⁻¹, Boltzmann Constant 'k' = 1.38×10^{-23} JK⁻¹, Planck's Constant 'h' = 6.625×10^{-34} Js, Acceleration due to gravity 'g' = 9.8 ms^{-2} ,

		Permittivity of free space ' ε_0 '=8.854 ×10 ⁻¹² F m ⁻¹ . Module -1	*Bloom's Taxonomy Level	Marks
Q.01	a	Obtain the expression for Energy Density using Einstein's A and B coefficients and thus conclude on B ₁₂ =B ₂₁ .	L2	8
	b	Describe attenuation and explain the various fiber losses.	L2	7
	С	Given the Numerical Aperture 0.30 and RI of core 1.49 Calculate the critical angle for the core-cladding interface.	L3	5
		OR		
Q.02	a	Discuss the applications of LASER in bar-code scanner and LASER Cooling.	L2	9
	Ъ	Discuss Point to Point communication using optical fibers.	L2	6
	С	Calculate the ratio of population for a given pair of energy levels corresponding to emission of radiation 694.3 nm at a temperature of 300 K.	L3	5
1150	133	Module-2		
Q.03	a	Derive an expression for de Broglie wavelength by analogy and hence discuss the significance of de Broglie waves.	L2	6
	b	Explain the Wave function with mathematical form and Discuss the physical significance of a wave function.	L2	9
	С	Calculate the energy of the first three states for an electron in one dimensional potential well of width 0.1 nm.	L3	5
	_	OR		
Q.04	a	Explain Eigen functions and Eigen Values and hence derive the eigen function of a particle inside infinite potential well of width 'a' using the method of normalization.	L2	10
	b	Show that electron does not exist inside the nucleus using Heisenberg's uncertainty principle.	L2	5
	С	An electron is associated with a de Broglie wavelength of 1nm. Calculate the energy and the corresponding momentum of the electron.	L3	5
		Module-3		
Q.05	a	Discuss the working of phase gate mentioning its matrix representation and truth table.	L2	6
	b	Explain Orthogonality and Orthonormality with an example for each.	L2	6
	С	Given $ \psi\rangle = \begin{pmatrix} \alpha_1 \\ \alpha_2 \end{pmatrix}$ and $ \phi\rangle = \begin{pmatrix} \beta_1 \\ \beta_2 \end{pmatrix}$ Prove that $\langle \psi \phi \rangle = \langle \phi \psi \rangle^*$	L3	8
		OR		
Q.06	a	Explain the representation of qubit using Bloch Sphere.	L2	6
	b	Explain Single qubit gate and multiple qubit gate with an example for leach	L2	8

	L3	6
Enumerate the failures of classical free electro theory and assumptions of quantum free electron theory of metals.	L2	7
Explain Meissner's Effect and the variation of critical field with temperature.	L2	8
A superconducting tin has a critical temperature of 3.7 K at zero magnetic field and a critical field of 0.0306 Tesla at 0 K. Find the critical field at 2 K.	L3	5
OR		
Explain the phenomenon of superconductivity and Discuss qualitatively the BCS theory of superconductivity for negligible resistance of metal at temperatures close to absolute zero.	L2	9
Give the qualitative explanation of RF Squid with the help of a neat sketch.	L2	6
Find the temperature at which there is 1% probability that a state with an energy 0.5 eV above Fermi energy is occupied.	L3	5
Module-5		
Elucidate the importance of size & scale and weight and strength in animations.	L2 .	8
Mention the general pattern of monte Carlo method and hence determine the value of π .	L2	6
Describe the calculation of Push time and stop time with examples.	L3	6
OR		
Sketch and explain the motion graphs for linear, easy ease, easy ease in and easy ease out cases of animation.	L2	8
Discuss modeling the probability for proton decay.	L2	7
A slowing-in object in an animation has a first frame distance 0.5m and the first slow in frame 0.35m. Calculate the base distance and the number of frames in sequence.	L3	5
	Module-4 Enumerate the failures of classical free electro theory and assumptions of quantum free electron theory of metals. Explain Meissner's Effect and the variation of critical field with temperature. A superconducting tin has a critical temperature of 3.7 K at zero magnetic field and a critical field of 0.0306 Tesla at 0 K. Find the critical field at 2 K. OR Explain the phenomenon of superconductivity and Discuss qualitatively the BCS theory of superconductivity for negligible resistance of metal at temperatures close to absolute zero. Give the qualitative explanation of RF Squid with the help of a neat sketch. Find the temperature at which there is 1% probability that a state with an energy 0.5 eV above Fermi energy is occupied. Module-5 Elucidate the importance of size & scale and weight and strength in animations. Mention the general pattern of monte Carlo method and hence determine the value of π. Describe the calculation of Push time and stop time with examples. OR Sketch and explain the motion graphs for linear, easy ease, easy ease in and easy ease out cases of animation. Discuss modeling the probability for proton decay. A slowing-in object in an animation has a first frame distance 0.5m and the first slow in frame 0.35m. Calculate the base distance and the	operator I to [0] and [1] states, Module-4 Enumerate the failures of classical free electro theory and assumptions of quantum free electron theory of metals. Explain Meissner's Effect and the variation of critical field with temperature. A superconducting tin has a critical temperature of 3.7 K at zero magnetic field and a critical field of 0.0306 Tesla at 0 K. Find the critical field at 2 K. OR Explain the phenomenon of superconductivity and Discuss qualitatively the BCS theory of superconductivity for negligible resistance of metal at temperatures close to absolute zero. Give the qualitative explanation of RF Squid with the help of a neat sketch. Find the temperature at which there is 1% probability that a state with an energy 0.5 eV above Fermi energy is occupied. Module-5 Elucidate the importance of size & scale and weight and strength in animations. Mention the general pattern of monte Carlo method and hence determine the value of π. Describe the calculation of Push time and stop time with examples. OR Sketch and explain the motion graphs for linear, easy ease,easy ease in and easy ease out cases of animation. Discuss modeling the probability for proton decay. A slowing-in object in an animation has a first frame distance 0.5m and the first slow in frame 0.35m. Calculate the base distance and the

^{*}Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.

Question Q.1 (a)		Bloom's Taxonomy Level attached	Course Outcome	Program Outcome
			1	1,2,12
4	(b)	L2	1	1
	(c)	L3	1	1,2
Q.2	(a)	L2	1	1,2
~	(b)	L2	1	1,2,12
	(c)	L3	1	1,2
Q.3	(a)	L2	2	1,2
7.0	(b)	L2	2	1,2,12
	(c)	L3	2	1,2
Q.4	(a)	L2	2	1,2,12
	(b)	L2	2	1,2
	(c)	L3	2	1,2
Q.5	(a)	L2	2	1,2
Q.5	(b)	L2	2	1,2
	(c)	L3	2	1,2
Q.6	(a)	L2	2	1,2,
Q.6	(b)	L2	2	1,2
	(c)	L3	2	1,2,12
Q.7	(a)	L2	3	1,2,12
	(b)	L2	3	1,2
	(c)	L3	3	1,2
Q.8	(a)	L2	3	1,2
	(b)	L2	3	1,2,12
	(c)	L3	3	1,2
Q.9	(a)	L2	4	1,2,5
-	(b)	L2	4	1,2,12
	(c)	L3	4	1,2
Q.10	(a)	L2	4	1,2,5, 12
4.23	(b)	L2	4	1,2
	(c)	L3	4	1,2

Model Question Paper-I/II with effect from 2022-23 (CBCS Scheme)

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	First/Second Semester B.E. Degree Examination Introduction to Internet of Things (IOT)	1

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any FIVE full questions, choosing at least ONE question from each MODULE.

		Module -1	*Bloom's Taxonomy Level	Marks
Q.01	a	Name the four broad categories of computer network based on	L1	8
		reachability and explain them briefly.	L1	6
	Ь	Differentiate between IoT and M2M.	Li	6
	С	With a neat diagram explain the network communication between two hosts following the OSI model.	L1	0
		OR		
Q.02	a	What is IoT? Write the characteristics of IoT System.	L1	5
S S	b	With a neat diagram explain the inter dependency technology for IoT Planes.	L2	10
	c	With a neat diagram explain Internet protocol suite.	L1	5
		Module-2		
Q. 03	a	With a neat diagram explain the working mechanism of actuator.	L1	6
	b	Explain the types of actuators.	L1	8
	c	Define sensor and explain the characteristics of sensor.	L2	6
	133	OR		
Q.04	a	List and explain the characteristics of Actuators.	L2	8
Q.01	b	Explain the major factors influence the choice of sensors in IoT-based sensing solutions.	LI	8
	c	With a neat diagram explain scalar and Multimedia sensing technics.	LI	4
		Module-3		
0.05	10	List and explain common data types in IoT applications	Ľ1	5
Q. 05	b	With a neat diagram explain offsite processing topology.	L1	10

			ZZEICI	,
			L1	5
	c	Write a short note on offloading considerations.	118	
		OR	L1	5
2.06	a	With a neat diagram explain onsite processing topology.		8
	b	Explain IoT Device Design and Selection Considerations	L2	7
	c	Write a short note on offload location and offload decision making.	L1	-
r delika.	-	Module-4	rusting	91717
		Define Virtualization. Discuss advantages of virtualization	L1	8
Q. 07	a	Summarize the case study related to Smart irrigation management system.	L2	5
	b	Summarize the case study related to Smart Argundan models.	L1	7
HERE !	C	With the help of neat diagrams explain the of cloud models.		
		OR	L1	8
Q. 08	a	With a neat diagram explain Architecture of a sensor-cloud platform	L1	5
	b	With a neat diagram explain Components of an agricultural IoT	HK GU ALTERNATION	17
	c	With a neat diagrams describe the difference between Network	Li	
		computing and cloud computing	等 多情况 主社	
		Module-5	Table 1	7
0.00	Ta	With a neat diagram explain the Architecture of vehicular IoT.	L1	
Q. 09		Define Machine learning and explain the advantages of ML.	L1	6
	b	With a neat diagram explain Architecture of healthcare IoT.	Ll	7
	C	With a neat diagram explain 7 House		
			L1	7
Q. 10	a	List the advantages of vehicular IoT.	L1	6
	b	With a neat diagram explain the types of Machine learning.	L1	7
	C	Write note on advantages and risk of healthcare IoT.		

Model Question Paper-I with effect from 2022-23 (CBCS Scheme)

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First/Second Semester B.E. Degree Examination

Introduction to Internet of Things (IOT)

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any FIVE full questions, choosing at least ONE question from each MODULE.

		Module -1	*Bloom's Taxonomy Level	Marks
Q.01	a	Classify network types based on physical topologies and connection types with schematic diagrams.	L2	10
	b	Explain the IoT planes, various enablers of IoT, and the complex interdependencies among them with a block diagram.	L2	10
		OR		
Q.02	a	Explain networked communication between two hosts following the TCP/IP suite with a block diagram.	L2	08
	b	Outline the interdependence and reach of IoT over various application domains and networking paradigms.	L2	08
	c	Summarize the characteristic features of IoT systems.	L2	04
TO LET SELECT		Module-2		1
Q. 03	a	Outline the basic differences between transducers, sensors, and actuators.	L2	06
2. 55	C	Compare mechanical, soft, and shape memory polymer based actuators.	L2	06
	b	Classify sensing types based on the nature of the environment and the physical sensors.	L2	08
W		OR ·		
Q.04	a	Compare the common commercially available sensors used for IoT-based sensing applications.	L2	06
	Ъ	Outline a simple actuation mechanism.	L2	06
	c	Explain four common characteristics actuators used for selection.	L2	08
	10	Module-3		
Q. 05	a	Explain event detection using an off-site remote processing topologywith a block diagram.	L2	10
	b	Explain the data offloading strategies: Offload location and Offload decision making.	L2	10
	1000	OR		
Q. 06	a	Contrast between structured and unstructured data. Outline various data generating and storage sources with a block schematic.	L2	10
	ь	Outline an IoT deployment (processing offloading) with the various layers of processing involving different application domains with a diagram.	L2	10
		Module-4		
Q. 07	Ta	Explain the architecture of a smart irrigation management system.	L2	06
4.0,	b	Classify the deployment model of Cloud with relevant explanation.	L2	06
	C	Explain the importance and metrics of Service-Level Agreement (SLA) in Cloud Computing.	L2	08
		OR		
Q. 08	a	Classify virtualization based on the requirements of the users. Explain.	L2	08
	b	Explain architecture of a sensor-cloud platform with bock diagram.	L2	08
	c	Explain the features of CloudSim.	L2	04
		Module-5		
Q. 09	Ta	Explain fog framework for intelligent public safety invehicular environments	L2	10

HIN	1593	(fog-FISVER) with a block diagram.	Water trans	19
	b	Explain hardware components and front end design features of AmbuSens system.	L2	10
		OR		
Q. 10	a	Explain the architecture and components of healthcare IoT with block diagrams.	L2	12
	ь	Summarize the advantages of Machine Learning (ML) in IoT.	L2	06

^{*}Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.

Model Question Paper-I/II with effect from 2022-23 (CBCS Scheme)

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First/Second Semester B.E. Degree Examination

Principles of Programming Using C

TIME: 03 Hours

Max. Marks: 100

Note: Answer any FIVE full questions, choosing at least ONE question from each MODULE.

	*Bloom's Taxonomy Level	Marks		
Q.01	a	Define computer. Describe the various types of computers based on speed,	L1	8
	b	memory and cost. Develop an algorithm to find the area and perimeter of a circle. Also define an	L2	6
	C	algorithm.	L1	6
		Write a short note on the characteristics of a computer		
		OR	L1	8
Q.02	a	What is variable? What are the rules to construct variable? Classify the following as valid/invalid Identifiers. i) num2 ii) \$num1 iii) +add iv) a 2 v) 199 space vi) apple vii)#12	LI	0
	b	Draw a flowchart and C program which takes as input p,t,r. Compute the simple	L2	6
		interest and display the result. Write a note on the following operators. i) Relational ii) Logical iii) Conditional		6
75.a.	C	Write a note on the following operators. I) Relational II) Edgical III) General III Module-2		
Q. 03	a	Develop a C program that takes three coefficients (a, b, and c) of a quadratic equation; $(ax^2 + bx + c)$ as input and compute all possible roots and print them	L3	8
	b	with appropriate messages. Explain the working of goto statement in C with example.	L2	6
	C		L2	7
		Explain switch statement with syntax and example		
FL.			L3	8
Q.04	a	Develop a simple calculator program in C language to do simple operations like addition, subtraction, multiplication and division. Use switch statement in your program		
	b		L1	6
	1	Explain with examples formatted input output statements in C	L2	7
	c	Explain with syntax, if and if-else statements in C program.	LZ	
		Module-3		0
Q. 05	a	Write a C program to swapping of 2 numbers using call by reference and call by value.	L3	8
	b	Discuss the implementation of user defined function with suitable example.	L2	6
	C	Discuss the implementation of user defined function was a		
		OR	L3	8
Q. 06	a	Write a C program to find the product of two given matrix.		
	b	Explain the working of recursion with suitable example.	L2	6
		Evnlain the declaration and initialization of one dimensional and two dimensional	17	1 6

22POP13

-		amous with an avample		-
		arrays with an example. Module-4		
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L3	6
2. 07	a	Develop a C program to concatenate 2 strings without using built-in function.	L2	10
	ь			
		Define String. Explain any 4 string manipulation function with suitable example.	L2	4
	C	Explain the difference between gets() and scanf() functions.		
		OR	L3	6
2. 08	la	Develop a C program to find the largest of three numbers using pointer.		10
	b	Define Pointer. Explain pointer variable declaration and initialization with	L2	
	c	Explain the difference between a null pointer and a void pointer.	L2	4
	-	Module-5	L3	8
Q. 09	a	Discuss the general syntax of structure variable declaration of structure to store	143	
		book information. Differentiate between structure and union.	L2	6
	b	Differentiale between structure and differ		
	1		L3	6
	c	Write a program to write employees details in a file called employee.txt. Then read the record of the nth employee and calculate his salary.		
	_	OR		12.3
2 10	I	Discuss the different modes of operation on files with suitable example.	L3	8
Q. 10	a	Discuss the different modes of operation		
	b	Differentiate between gets() and fgets().	L2	6
	1	Implement structures to read, write and compute average- marks of the students,	L3	6
	C	list the students scoring above and below the average marks for a class of N		1

Model Question Paper-I/II with effect from 2022-23 (CBCS Scheme)

	First/Se	cond	Semester	B.E.	Degree	Examination)
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Principles of Programming Using C

Max. Marks: 100

Note: Answer any FIVE full questions, choosing at least ONE question from each MODULE.

		Module -1	*Bloom's Taxonomy Level	Marks
Q.01	a	Explain the components of a computer with a neat diagram.	2	6
		D. T. Abusa imput darrious	2	6
	b	Describe any three input devices Design an algorithm, flowchart and program to compute area of a circle.	3	8
		OR		
Q.02	a	Define Identifiers and explain its rules. State whether the following identifiers are valid or invalid with justification. i. \$roll no	3	6
		iiname123 iii. If iv. Name123		
	b	Summarize the formatted input and output statements with suitable syntax and example	2	6
	С	Explain the SDLC life cycle for the efficient design of a program with a neat diagram.	2	8
		Module-2		1 1 1 1 1 1
Q. 03	a	Describe any 4 types of operators in C with example	2	6
Q. 03	b	Differentiate between type conversion and type casting in C	4	6
	c	Write a program to compute the roots of quadratic equation by accepting coefficients	3	8
	100	OR		1
Q.04	a	Define looping. Explain while and do-while with suitable example	2	6
	b	Implement a C program to simulate a simple calculator that performs arithmetical operations using switch statements.	3	6
	c	Explain unconditional statements with example	2	8
Desire of		Module-3		
Q. 05	a	Explain the syntax of Function Declaration and Function Definition with example.	3	6
	b	Write a C program to swap two integers using call by value method of passing arguments to a function.	3	6
	C	Describe different types of storage classes with example.	2	8
		OR		
Q. 06	a	What is an array? Explain how two dimensional arrays are declared and initialized.	2	8
	b	Write a C program to find transpose of a 3x3 matrix.	3	6
	c	Discuss any three operations that can be performed on arrays with example.	2	6

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	E .	Module-4		
Q. 07	a	What are strings? Mention different operations that can be performed on strings? Explain any two with an example?	2	8
	ь	Explain array of strings with an example?	2	4
	c	Discuss the working of the following string manipulation functions with suitable code: i) strchr ii) strspn iii) strcmp iv) strcpy	3	8
		OR		
Q. 08	a	Define pointers and explain how to declare a pointer variable?	2	8
		Differentiate null pointer and void pointer with suitable example?		
	ь	Write a program to add two integers by passing pointer variable as parameters to functions?	3	7
	c	Write a program to print all even numbers from m to n using pointers?	3	5
		Module-5		
Q. 09	a	What is structure? Explain the C syntax of structure declaration with example	2	6
	ь	Differentiate between Structure and Union.	4	6
	c	Write a C program to maintain a record of "n" students details using an array of structures with four fields (roll no, name, marks and grade). Assume appropriate	3	8
		data type for each field. Print the names of the student with marks>=70.		
		data type for each field. Print the names of the student with marks>=70.		
Q. 10	a	OR Explain I/O stream and Data I/P stream used in files.	2	6
Q. 10	a b	data type for each field. Print the names of the student with marks>=70. OR	2 2	6

^{*}Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.

Model Question Paper-I/II with effect from 2022-23 (CBCS Scheme)

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1011	1 3 3 3 3 3			

First/Second Semester B.E. Degree Examination PRINCIPLES OF PROGRAMMING USING C

TIME: 03 Hours

Max. Marks: 100

Note: 01

01. Answer any FIVE full questions, choosing at least ONE question from each MODULE.

02. Use C code snippet to illustrate a specific code design or a purpose

		Module -1	*Bloom's Taxonomy Level	Marks
Q.01	a	Explain the structure of C program in detail. Write a sample program to demonstrate the components in the structure of C program	L2	8
	b	Demonstrate formatted output of integer in C with suitable example	L3	6
	C	Discuss different types of error occur in program	L2	6
		OR		
Q.02	a	Explain the various rules for forming identifiers names. Give examples for valid	L2	8
		and invalid identifiers for the same.	7.1	6
	ь	Mention various output devices and explain hardcopy devices	L1	
	С	Discuss the variants of microcomputer that are widely used today	L2	6
		Module-2	12	6
Q. 03	a	Demonstrate the functioning of Bitwise operator in C	L3	
Q. 02	b	Write a C program to find roots of quadratic equation	L3	8
	C	Distinguish between the break and continue statement	L4	6
		OR		
Q.04	la	Illustrate Nested loops in C with suitable example	L3	6
Q.04	b	Write a C program to print whether a given number is palindrome or not	L3	7
	C	Explain switch statement with syntax. Write a C program to simulate calculator	L3	7
	1	Module-3	12	8
Q. 05	a	Write a C program to implement Bubble sort technique(ascending order)	L3	
***************************************	b	Illustrate the concept of recursive function with example	L3	6
	C	Discuss various scope of variables	L2	6
Laborate Contract Con		OR	TA	8
Q. 06	a	Differentiate between call by value and call by reference. Using suitable example	L4	8
4.	b	Write a C program to transpose a MxN matrix	L3	
	C	Discuss the various storage classes	L2	4
		Madala 4	12	8
Q. 07	a	Module-4 Mention various operations that can be performed on string using built-in	L2	0
	13	functions. Explain any two function Develop a program using pointer to compute the sum, mean and standard	L4	8
11/18/8	b	Develop a program using pointer to compute the sun, mean and sun		

-		CNI seel number		
		deviation of all element stored in array of N real number	L2	4
-	c	Explain how strings are represented in main memory		
		OB	L3	8
Q. 08	a	Write a program to compare two strings without using built-in function	L2	6
	b	What is pointer? Discuss pointer arithmetic with suitable C code	L2	6
	c	Explain gets()and puts() function with example		
		Madula-5	L2	7
Q. 09	a	Explain various modes in which file can be opened for processing Implement structure to read, write and compute average marks of the students.	L3	8
	b	List the students scoring above and below the average marks for a class of n		
		students	L1	5
	c	What are enumeration variable? How are they declared		
	1	OR	L2	8
Q. 10	a	Write a short note on functions used to	100	
		Read data from a file	THE RE	
	1	Write data to a file	L4	6
	b	Differentiate structures and unions with syntax and example	L2	6
	C	THE AND ACT OF STILE	LL	

	Tab	ole showing the Bloom's	Course Outcome	outcome and program outcomes Program Outcomes
Questi		Bloom's Taxonomy	Course Outcome	PO1,PO2
Q. 1	а	L2		PO1,PO2
	b	L3	CO2	PO1,PO2
	C	L2	CO2	PO1,PO2
Q.2	a	L2	CO2	PO1
4.2	b	L1	CO1	PO1
	C	L2	CO1	PO1,PO2
Q.3	a	L3	CO2	PO1,PO2,PO3
Q.5	b	L3	CO2,CO5	PO1,PO2,
	C	L4	CO2	PO1,PO2
0.4	a	L3	CO2	PO1,PO2 PO1,PO2,PO3
Q.4	b	L3	CO2,CO5	
		L3	CO2,CO5	PO1,PO2
	C	L3	CO3	PO1,PO2, PO3
Q.5	b	L3	CO3,CO5	PO1,PO2,PO3
		L2	CO2	PO1,PO2
	С	L4	CO4	PO1,PO2,PO3
Q.6	a	1.3	CO3	PO1,PO2,PO3
	b	L2	CO2	PO1,PO2
	C	L2	CO5	PO1,PO2, PO3
Q.7	a	L4	CO4	PO1,PO2,PO3
13832	b	L2	CO2	PO1
	C	L3	CO5	PO1,PO2,PO3
Q.8	a	L2	CO4	PO1,PO2
1 1 3 1 1	b	L2	CO2	PO1

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Q.9	а	L2	CO5	PO1,PO2	
	b ,	L3	CO4,CO5	PO1,PO2,PO3	
	C	L1	CO4	PO1	
Q.10	a	L2	CO2,CO5	PO1,PO2	
	b	L4	CO4	PO1,PO2	
Service Services	С	L2	CO2	PO1	

Model Question Paper-I/II with effect from 2022 (CBCS Scheme)

USN

First Semester BE Degree Examination Course Title – Introduction to Electrical Engineering

TIME: 03 Hours Max. Marks: 100

Note: Answer any FIVE full questions, choosing at least ONE question from each MODULE.

Q. 1	No.	Module1	Marks
	a	With neat single line diagram explain the various steps of electrical power transmission and distribution system.	06
	Ъ	State and explain Kirchhoff's current and voltage law.	06
Q1	c	A circuit of two parallel resistors having resistances of 20Ω and 30Ω connected in series with 15Ω . If the current through 15Ω resistor is 3A. Find i) current in 20Ω and 30Ω resistors ii) voltage across the whole circuit iii) the total power and power consumed in all resistors.	08
	4.4.14	OR	00
	a	With block diagram explain hydel power generation.	06
	Ъ	State and explain Ohm's law with its limitations.	06
Q2	C	For the circuit shown in fig (i) find the current in 2Ω resistor. $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	08
		Module 2	STAL.
	a	Define the following by referring a sine wave i) RMS value ii) average value iii) form factor iv) peak factor v) phase and vi) phase difference.	06
Q3	ь	Show that the current through purely capacitive circuit leads the applied voltage by 90° and average power consumed is zero. Draw the wave shapes of current, voltage	08
,	c	and power. An inductive coil takes a current of 10A from a supply of 100V, 50Hz and lags the voltage by 30°. Calculate i) parameters of the circuit ii) power factor iii) active, reactive and apparent power.	06
		OR	
	a	With the help of circuit diagram and phasor diagram, find the phase angle, impedance and power in case of R-L series circuit.	06
Q4	b	A circuit consists of a resistance of 20Ω , an inductance of 0.05H, connected in series. A single phase supply of 230V, 50Hz is applied across the circuit. Find i) impedance ii) current iii) power factor iv) power consumed by the circuit v) voltage drop across R&L vi) draw the vector diagram.	08

		Three coils having resistance of 10Ω and inductance of 0.02H are connected in star	06
	С	across 440V, 50Hz three phase supply. Calculate the line current, power	00
		total power consumed. Module 3	
		Windle 5	08
	a	With a neat diagram explain the construction of D.C. generator.	08
	b	Derive an expression of armature torque developed in a D. C. motor. An 8 pole generator has 500 armature conductors and has a useful flux per pole of	
Q5	c	An 8 pole generator has 500 armature conductors and has a district of the conductors	04
		OR	00
	a	Explain the various methods used to control the speed of D.C. series motor.	08
Q6	ь	A 4 pole D.C. shunt motor takes 25A from a 250V supply. The armature and field resistances are 0.5Ω and 125Ω respectively. The wave wound armature has 30 slots and each slot containing 10 conductors. If the flux per pole is 0.02wb, calculate i) speed ii) torque developed iii) power developed.	08
	c	With usual notations derive an emf equation of D.C. generator.	04
	C	Module 4	
	a	Derive the emf equation of a transformer and hence obtain the voltage and current transformation ratios.	08
	ь	With neat diagram explain the types of three phase induction motor.	06
Q7	D	A transformer is rated at 100 kVA. At full load its copper loss is 1200 w and its	
	c	iron loss is 960W. Calculate: i) the efficiency at full load, UPF ii) the efficiency at half load, 0.8 p.f. iii) the load kVA at which maximum efficiency will occur iv) maximum efficiency at 0.85 p.f.	08
		OR	
	a	Explain the various losses in a transformer and how to minimize them?	08
	b	With diagrams explain the concept of rotating magnetic field.	06
Q8	С	A three phase induction motor with 4 poles is supplied from the alternator having 6 poles running at 1000rpm. Calculate synchronous speed, rotor speed of the induction motor when slip is 0.04 and frequency of the rotor emf when the speed is 600rpm.	08
	2000	Module 5	
	a	With neat circuit diagram and switching table explain two way and three way control of load.	08
Q9	b	With diagram explain the working of fuse.	08
	c	What is earthing? With neat diagram explain the pipe earthing.	06
	1833 1	OR	
	a	Define "unit" used for consumption of electrical energy and explain the two part tariff with its advantages and disadvantages.	08
	100		
Q10	b	What is electric shock? Give the list of preventive measures against the shock.	08

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Ques		Bloom's Taxonomy Level	Course Outcome	Course Outcome and Program Outcome Program Outcome		
		attached	CO5	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
0.	a	L2	COI	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
Q. 1	b	L2	CO2	PO1, PO2, PO3, PO4, PO5, PO6		
	c	L3	CO1	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
-	a	L2	COI	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
Q. 2	b	L2	CO2	PO1, PO2, PO3, PO4, PO5, PO6		
	c	L3	CO1	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
-	a	L2	CO2	PO1, PO2, PO3, PO4, PO5, PO6		
Q. 3	b	L4	CO2	PO1, PO2, PO3, PO4, PO5, PO6		
	C	L3	CO2	PO1, PO2, PO3, PO4, PO5, PO6		
	a	L3		PO1, PO2, PO3, PO4, PO5, PO6		
Q. 4	b	L3	CO2	PO1, PO2, PO3, PO4, PO5, PO6		
	c	L3	CO2	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8		
	a	L2	CO3	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8		
Q.5	b	<u>L3</u>	CO3	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8		
	c	L3	CO3	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8		
	a	L3	CO3	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8		
Q. 6	b	L2	CO3	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8		
	c	L3	CO3			
	a	L4	CO4	PO1, PO2, PO3, PO4, PO6, PO7, PO8		
Q. 7	b	L2	CO4	PO1, PO2, PO3, PO4, PO6, PO7, PO8		
	c	L3	CO4	PO1, PO2, PO3, PO4, PO6, PO7, PO8		
	a	L2	CO3	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO6		
Q. 8	b	L3	CO3	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO		
	c	L3	CO4	PO1, PO2, PO3, PO4, PO6, PO7, PO8		
	a	L2	CO5	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
Q. 9	b	L4	CO5	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
ų.,	c	L2	CO5	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
		L2	CO5	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
10	a b	L2	CO5	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
2. 10		L4	CO5	PO1, PO2, PO3, PO5, PO6, PO7, PO8		
	c	17				
				order thinking skills		
Bloc	oms	Remembering(standing Applying (Application):		
		knowledge):L1		ehension): L2 L3		
Taxonomy Levels		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Higher	order thinking skills		

PETER

CBCS SCHEME

First Semester B.E Degree Examination

Renewable Energy Sources for Computer Science Engineering Stream (BETCK105E)

TIME: 03Hours Max.Marks:100

- 1. Note: Answer any FIVE full questions, choosing at least ONE question from each MODULE
- 2. VTU Formula Hand Book is Permitted
- 3. M: Marks, L: Bloom's level, C: Course outcomes.

		Module - 1	M	BLs	COs
Q.1	, a	Discuss the social implications of renewable energy sources?	6	L1	COI
V.,	b	Differentiate between renewable and non renewable energy sources?	8	L2	COI
	c	Briefly explain renewable energy availability in India?	6	L1	CO2
		OR			
Q.2	a	What are the advantages and disadvantages of solar energy?	8	L1	COI
	b	Discuss briefly geothermal energy?	6	L1	CO3
	C	Write a note on Internet of Energy(IOE)	6	L2	CO ₂
		Module – 2			
Q.3	\a	Define beam and diffuse radiation?	6	Li	CO3
Q.S	b	Explain the working principle of pyrheliometer with line diagram?	8	L1	COS
	c	What are the basic features of ideal pyranometer?	6	L1	COS
		OR			
Q.4	2	What are the limitations and applications of solar photovoltaic system	8	L1	CO
	b	With a simple line diagram explain solar flat plate collector?	8	L1	CO
	c	Write a note on solar cell	4	L2	CO:
		Module – 3			
		What are the major problems associated with wind power system.	6	L2	CO
Q5	b	With a simple line diagram explain main components of Horizontal axis wind turbine (HAWT).	8	L1	CO.

		Classify wind energy conversion system (WECS)	6	L2	CO3
	c	Classify wind energy conversion system (
	,	OR			
Q.6	a	Explain different types of biofuels.	6	LI	-CO2
	b	Explain the process of photosynthesis?	8	L1	CO3
	c	What are the main advantages and disadvantages of biomass energy?	6	LI	CO2
		Module – 4			
Q.7	a	What are the fundamental characteristics of tidal power plant?	6	L2	СОЗ
	b	Describe with simple line diagram single basin tidal power plant?	8	L1	СОЗ
	·c	What are the limitations of tidal power plant?	6	L2	CO4
		OR			
Q.8	2	Describe with a line diagram closed cycle OTEC system?	8	LI	CO3
	b	What are the environmental impacts of OTEC plant?	6	L2	CO4
	c	What are relative advantages and limitations of OTEC plant?	6	L2	CO4
		Module – 5			
Q.9	a	Describe the classification of the fuel cells?	8	L1	CO
	b	Describe various methods of storage of hydrogen?	6	L2	CO.
	c	What are the problems associated with hydrogen energy?	6	L2	CO.
	,	OR			
Q.10	a	What are the benefits of hydrogen energy?	6	L1	CO.
	b		8	L2	СО
	c	Write a note on Zero energy concepts?	6	L.2	CO

CBCS SCHEME

USN

BMATS101

First Semester B.E./B.Tech. Degree Examination, Jan./Feb. 2023

Mathematics – I for Computer Science Engineering

Stream

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, chousing ONE full question from each module.

2. VTU Formula Hand Book is permitted.

3. M : Marks , L: Bloom's level , C: Course outcomes.

PRO-PRODUCTION TOWNS		Module - 1	M	L	C
Q.1	a.	With usual notations, prove that $\tan \phi = r \frac{d\theta}{d\gamma}$.	6	1.2	COI
	b.	Find the angle of intersection between the curves $\gamma = \frac{a\theta}{1+\theta}$, $\gamma = \frac{a}{1+\theta^2}$.	7	1.2	C01
	c.	Find radius of curvature of the curve $y = a \log \sec \left(\frac{x}{a}\right)$ at any point (x, y) .	7	1.2	CO1
		OR			
Q.2	a.	With usual notations prove that $\frac{1}{p^2} = \frac{1}{r^2} + \frac{1}{r^4} \left(\frac{dr}{d\theta}\right)^2$.	8	L2	COI
	b.	Find the radius of the curvature of the curve $r = a(1 + \cos \theta)$.	7	L2	CO1
	c.	Using modern mathematical tool write a program/code to plot the Sine and Cosine curve.	5	1.3	C05
		Module – 2			
Q.3	2.	Using Maclaurin's series prove that $ \sqrt{1+\sin 2x} = 1 + x - \frac{x^2}{2!} - \frac{x^3}{3!} + \frac{x^4}{4!} + \dots $	6	L2	COI
	b.	If $Z = e^{ax-by}$ f(ax-by), prove that $b\frac{\partial z}{\partial x} + a\frac{\partial z}{\partial y} = 2abz$.	7	1.2	COI
	c.	Find the extreme values of the function $f(x, y) = x^3 + y^3 - 3x - 12y + 20$.	7	L3	C01
		OR			
Q.4	a.	Evaluate $\lim_{x \to 0} \left(\frac{a^x + b^x + c^x + d^x}{4} \right)^{\frac{1}{x}}$.	8	L2	COI
	b.	If $u = \frac{2yz}{x}$, $v = \frac{3xz}{y}$, $w = \frac{4xy}{z}$ find $J\left(\frac{u, v, w}{x, y, z}\right)$.	7	L2	COI

a. b.	Using modern mathematical tool write a program code to evaluate Lt $x \to \infty \left(1 + \frac{1}{x}\right)^n$. Module - 3 Solve $\frac{dy}{dx} + y \tan x = y^n \sec x$. Find orthogonal trajectories of family of curves $r^n = a^n \cosh \theta$. Solve $x^2p^2 + 3xyp + 2y^2 = 0$. OR Solve $(x^2 + y^2 + x)dx + xydy = 0$.	6 7 7 7	L3 L3 L2	CO
a. b. c.	Solve $\frac{dy}{dx} + y \tan x = y' \sec x$. Find orthogonal trajectories of family of curves $r^n = a^n \cos n\theta$. Solve $x^2p^2 + 3xyp + 2y^2 = 0$. OR Solve $(x^2 + y^2 + x)dx + xydy = 0$.	7	L3	CO
b. c.	Solve $\frac{dy}{dx} + y \tan x = y^3 \sec x$. Find orthogonal trajectories of family of curves $r^n = a^n \cosh\theta$. Solve $x^2p^2 + 3xyp + 2y^2 = 0$. OR Solve $(x^2 + y^2 + x)dx + xydy = 0$.	7	L3	CO
b. c.	Find orthogonal trajectories of family of curves $r^n = a^n \cos n\theta$. Solve $x^2p^2 + 3xyp + 2y^2 = 0$. OR Solve $(x^2 + y^2 + x)dx + xydy = 0$.	7	L3	CO2
с.	Solve $x^2p^2 + 3xyp + 2y^2 = 0$. OR Solve $(x^2 + y^2 + x)dx + xydy = 0$.	7		
a.	Solve $(x^2 + y^2 + x)dx + xydy = 0$.		1.2	CO2
1	Solve $(x^2 + y^2 + x)dx + xydy = 0$.	6		STREET, SQUARE,
1		6	and desirated the name of	-
b.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	L2	CO2
1	Find the general solution of the equation $(px - y)(py + x) = 2p$ by reducing into Clairaut's form by taking the substitution $X = x^2$, $Y = y^2$.	7	L2	CO2
c.	A 12 volts battery is connected to a series circuit in which the inductance is $\frac{1}{2}$ Henry and resistance is 10 ohms. Determine current I, if the initial	7	1.3	CO2
	current is zero.			102
		6	112	CO3
a.	i) Find the last digit in 13°. ii) Find the remainder when 7 ¹¹⁸ is divided by 10.	0		-
b.	Find the solutions of the linear congruence $12x = 6 \pmod{21}$.	7	L2	CO3
c.		7	L2	CO3
		6	12	CO3
a.		0	Lá	COS
b.	Find the solution of system of linear congruences $7x + 3y \equiv 10 \pmod{16}$ $2x + 5y \equiv 9 \pmod{16}$	7	L2	CO3
c.	Solve $x \equiv 3 \pmod{5}$, $x \equiv 2 \pmod{6}$, $x \equiv 4 \pmod{7}$ using Chinese remainder theorem.	7	1.3	соз
	Module - 5			
a.	Find the rank of matrix $A = \begin{bmatrix} 0 & 1 & -3 & -1 \\ 1 & 0 & 1 & 1 \\ 3 & 1 & 0 & 2 \\ 1 & 1 & 2 & 0 \end{bmatrix}$	6	L2	CO4
1 1	b. c. b.	ii) Find the remainder when 7^{18} is divided by 10. b. Find the solutions of the linear congruence $12x = 6 \pmod{21}$. c. Find the general solution of linear Dio-phantine equation $70x + 112y = 168$. OR a. Find the remainder when 14! Is divided by 17. b. Find the solution of system of linear congruences $7x + 3y = 10 \pmod{16}$. c. Solve $x = 3 \pmod{5}$, $x = 2 \pmod{6}$, $x = 4 \pmod{7}$ using Chinese remainder theorem. Module -5	a. i) Find the last digit in 13 ³⁷ . ii) Find the remainder when 7 ¹¹⁸ is divided by 10. b. Find the solutions of the linear congruence 12x = 6(mod21). c. Find the general solution of linear Dio-phantine equation 70x + 112y = 168. OR a. Find the remainder when 14! Is divided by 17. b. Find the solution of system of linear congruences 7x + 3y = 10(mod 16) 2x + 5y = 9(mod 16) 7 C. Solve x = 3(mod 5), x = 2(mod 6), x = 4(mod 7) using Chinese remainder theorem. Module -5	a. i) Find the last digit in 13^{27} . ii) Find the remainder when 7^{118} is divided by 10. b. Find the solutions of the linear congruence $12x = 6 \pmod{21}$. 7 L2 c. Find the general solution of linear Dio-phantine equation $70x + 112y = 168$. 7 L2 OR a. Find the remainder when 14! Is divided by 17. b. Find the solution of system of linear congruences $7x + 3y = 10 \pmod{16}$ $2x + 5y = 9 \pmod{16}$ c. Solve $x = 3 \pmod{5}$, $x = 2 \pmod{6}$, $x = 4 \pmod{7}$ using Chinese remainder theorem. Module -5

		Solve the system of equations by Gauss-Jordan method. Solve the system of equations by $\frac{1}{2}x + 5y + 7z = 52$.	7	L3	CO4
	c.	Find the largest eigen value and the corresponding eigen vector of the $\begin{bmatrix} 2 & -1 & 0 \\ -1 & 2 & -1 \end{bmatrix}$ taking $\begin{bmatrix} 1 & 1 \end{bmatrix}^T$ as initial eigen vector, using	7	1.3	CO4
Q.10	a.	Find the values of λ and μ for which the system $x + y + z = 6$; $x + 2y + 3z = 10$. $x + 2y + \lambda z = \mu$ has i) Unique solution $x + y + z = 6$; $x + 2y + 3z = 10$. $x + 2y + \lambda z = \mu$ has i) Unique solution.	8		CO4
	b	ii) Infinitely many solutions Solve the following system of equations by Gauss-Elimination method $2x + y + 4z = 12$, $4x + 11y - z = 33$, $8x - 3y + 2z = 20$.	7	L3	C04
	-	2x + y + 4z = 12, 4x = 13 2x + y + 4z = 12, 4x = 13 2x + y + 4z = 12, 4x = 13 2x + y + 4z = 12, 4x = 13 2x + y + 4z = 13 2x + y + 4z = 2, 3x + 3y + 4z = 13 2x + 2y - z = 1, 2x + y + 4z - 2, 3x + 3y + 4z = 13	5	L3	со

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GBGS SCHEME

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First Semester B.E./B.Tech. Degree Examination, Jan./Feb. 2023 Applied Physics for CSE Stream

Time: 3 hrs.

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Max. Marks: 100

Note: I. Answer any FIVE full questions, choosing ONE full question from each module.

2. VTU Formula Hand Book is permitted.

3. M : Marks , L: Bloom's level , C: Course outcomes.

		3. M: Marks , L: Bloom's level , C: Course outcomes.	-	- 1	-
		Module 1	M	L	C
Q.1	a.	Explain the construction and working of a semiconductor laser with the help of energy level diagram.	8	L2	CO1
	b.	What is refractive index profile? Discuss three different types of optical fibres based on modes of propagation and refractive index profile.	7	L2	CO1
	c.	The angle of acceptance of an optical fibre is 30° when kept in air. Find the angle of acceptance when it is in a medium of refractive index 1.33.	5	L3	CO5
Market Market	_	OR			
Q.2	а.	Define acceptance angle and numerical aperture. Derive an expression for numerical aperture in terms of refractive indices of core, cladding and surrounding.	8	L2	CO1
	b.	Derive an expression for energy density for a system in thermal equilibrium in terms of Einstein's co-efficient.	7	L2	CO1
	c.	In a diffraction grating experiment the laser light undergoes second order diffraction for diffraction angle 1.48°. The grating constant is 5.08×10 ⁻⁵ m and the distance between the grating and the source is 80 cm, find the wave length of LASER light.	5	L3	CO5
Andrew .	1	Madule 2			-
Q.3	a.	Assuming the time independent Schrodinger's wave equation discuss the solution for a particle in one dimensional potential well of infinite height and hence obtain the normalized wave equation.	9	L2	CO2
	b.	State and explain Heisenberg uncertainty principle. Show that an electron doesn't exists inside the nucleus.	7	L2	CO2
	c.	Compute the deBroglie wavelength for a neutron moving with one tenth part of velocity of light. Given the mass of the neutron is 1.674×10 ⁻²⁷ kg.	4	L3	CO2
	1	OR S		1	000
0.1	1	Setup Schrodinger time independent wave equation in one dimension.	9	L2	CO2
Q.4	b.	Define phase velocity and group velocity. Derive an expression for De Broglie wavelength of an electron.	7	L2	CO2
	c.	An electron has a speed of 100 m/s. The inherent uncertainty in its measurement is 0.005%. Calculate the corresponding uncertainty in the measurement of the position.	4	L3	CO2
1 630	1	Module - 3	To	Tra	CO2
Q.5	a.	Explain the Pauli matrices and apply Pauli matrices on the state $ 0\rangle$ and $ 1\rangle$.	9	L2	CO2
	1.	Differentiate between classical and quantum computing.	6	L2	
	b.	Explain the Hadamard gate. Show that the Hadamard gate is unitary.	5	L2	CO2
	c.	1 of 2			

		J.			000
2.6	a.	OR A Linear operator 'X' operates such that $X 0\rangle = 1\rangle$ and $X 1\rangle = 0\rangle$. Find the	5	L2	CO2
		matrix representation of 'X'. Describe the working of CNOT gate mentioning its matrix representation	9	L2	CO2
	FIRST !	and truth table.	6	L2	CO2
	c.	Explain the representation of qubit using Bloch sphere.			
Q.7	a.	Enumerate the failures of classical free electron theory and discuss the	8	L2	CO3
	b.	success of quantum free electron theory of metals. Explain DC and AC Josephson effects and mention any two applications of	7	L2	CO3
	c.	superconductivity in quantum computing. Find the temperature at which there is 1% probability that a state with an energy 0.5 eV above the Fermi energy is occupied.	5	L3	CO3
	1.79	OB % "d			
Q.8	a.	Explain Meissner's effect and the variation of critical field with	8	L2	CO3
	b.	Define Fermi factor. Discuss the variation of Fermi factor with temperature	7	L2	CO3
	c.	The critical temperature of Nb is 9.15 K. At zero Kelvin, the critical field is 0.196T. Calculate the critical field at 8 K.	5	L3	COS
	1	Madulo 5		1-0	Too
Q.9	a.	Discuss timing in Linear motion, Uniform motion, Slow in and Slow out.	8	L2	CO4
	b.	Describe Jumping and parts of jumping in animation.	1	100	1
	c.	A slowing-in object in an animation has a first frame distance 0.5 m and first slow in frame 0.35 m. Calculate the base distance and the number of frames in sequence.	5	L3	CO
		Traines in sequence.			
0.40		The said rule and odd rule multiplier with suitable example.	8	L2	CO
Q.10		Discuss modeling the probability for proton decay.	7	L2	
	b.	ical fibre experiment the Laser light propagating through optical		L3	CO

2 of 2

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First Semester B.E./B.Tech. Degree Examination, Jan./Feb. 2023 Principles of Programming using C

Time: 3 hrs.

Max. Marks: 100

Note: I. Answer any FIVE full questions, choosing ONE full question from each module.

2. VTU Formula Hand Book is permitted.

3. M: Marks , L: Bloom's level , C: Course outcomes.

1 1 6		Module – 1	M	L	C
(Const		Explain the organization of Basic computer model with neat diagram.	8	L1	CO2
Q.1	а.	Explain Input/Output statement in C.	8	L1	CO2
	b.		4	L1	CO2
	c.	List and explain any two input-output devices.]		
		OR	6	L2	CO2
Q.2	a.	What are the basic datatypes available in C?			CO2
Fai	b.	Define variable. Explain the rules to declare a variable with example.	6	L2	
	c.	With suitable example – Explain the basic structure of C program.	8	L2	CO2
	1	Module – 2			1
Q.3	a.	What is type casting? Explain its types with suitable example.	6	L2	CO2
	b.	Write a C program to find the largest of three numbers using ternary operator.	6	L3	CO2
	c.	List and explain unconditional branching statements with example.	8	L1	CO2
1 50	1 0	OR	H. II		
Q.4	la.	List the conditional branching statements in 'C'. Explain any two with	6	L1	CO2
		example.	-0	ets	
	b.	Write a C program to compute the roots of a quadratic equation by accepting the coefficients print appropriate messages.	6	L3	CO2
I was	c.	Explain different types of loops in C. Justify with its syntax and example.	8	L2	CO2
	1	Module – 3			
Q.5	a.	Define an array. Explain with example. How to declare and initialize 2D-array.	6	L2	CO3
	b.	Write a C program to search an element using binary search technique (for numericals).	6	L3	CO
	c.	Write a C program to perform addition of 2-dimensional matrix (consider 3×3 ordered matrices A and B).	8	L3	CO
		OR	1		

Q.6	a.	Define function. Explain the type of functions based on parameters.	8	L2	CO3
4.70	b.	Write a C program to sort the elements using bubble sort technique by passing array as function argument.	6	L3	CO4
4 2 3 2 4	c.	Write a C program to find the n_{C_i} . $\left[n_{C_i} = \frac{n!}{(n-r)!r!}\right]$	6	L3	CO3
	_	Module 4			
Q.7	a.	Define a string. List the string manipulation functions. Explain any two with examples.	8	L2	CO2
	b.	Write a C program to find the length of a given string without using built-in function.	6	L3	CO3
	c.	Write a C program to check whether the given string is Palindrome or not without using built in function.	6	L3	CO2
	-	OR	77.7		
Q.8	a.	Define Pointer. Explain how the pointer is declared and initialized with example.	6	L2	CO4
	b.	Write a C program using pointers to compute the sum, mean and standard deviation of all elements stored in an array of 'n' real numbers.	8	L3	C04
	c.	Write a C program to replace each constant in a string with the text one except letter 'z', 'Z' and 'a''A', for the string "Corona Virus" should be modified as "DpSpoa Wjsvt".	6	L3	CO3
I a grata	1	Module – 5		-	+111
Q.9	a.	Differentiate between structures and Union.	6	L2	CO4
Tu.	b.	Write a C program to implement structures to read and write Book-Title, Book-Author and Book-id of n books.	8	L3	CO3
	c.	Write a note on files.	6	L3	CO4
1. 1365		OR	-62	H RE	
Q.10	a.	List and explain any four file operations in C.	6	L2	CO2
15.5	b.	Write a C program to store and print name, USN, Subject and IA marks of students using structure.	8	L3	CO4
	c.	Write a note on enumerated data type.	6	L2	CO4
	10 300		-		

GBCS SCHEME

JSN					BESCK104B/BESCKB1	04
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First Semester B.E./B.Tech. Degree Examination, Jan./Feb. 2023 Introduction to Electrical Engineering

Time: 3 hrs.

Max. Marks: 100

Note: I. Answer any FIVE full questions, choosing ONE full question from each module.

2. VTU Formula Hand Book is permitted.

3. M: Marks , L: Bloom's level , C: Course outcomes.

34.1	381	Module – 1	M	L	C
Q.1	a.	With the help of single line diagram, explain the electrical power transmission and distribution system.	6	L2	CO
	b.	Explain the working of hydro power generation using relevant block diagram.	8	L2	CO
	c.	A resistance R is connected in series with a parallel circuit comprising of two resistance 12Ω and 8Ω . The total power in the circuit is 70W, when the applied voltage is 20V. Calculate R.	6	L3	CO
		OR			
Q.2	a.	State Kirchhoff's law for DC circuits. Illustrate with an example.	6	L2	COI
	b.	With the help of block diagram, explain the working of Solar power generation.	8	L2	COI
	c.	For the circuit shown in Fig. Q2(c), find the current supplied by each battery and power dissipated in 1Ω resistor.	6	L3	CO2
22 1		Fig. Q2(c) + 0.25 a 0.20 1.0 - 12v - 12v	4		01
1994		Module – 2			
Q.3	a.	A pure inductor excited by sinusoidal varying AC voltage, show that the average power consumed by inductor is zero.	8	L2	CO1
	b.	Define i) Real power ii) Reactive power iii) Apparent power iv) Power factor.	6	L1	CO1
	c.	The current in a circuit is $(8 - j10)A$, when the applied voltage is $(50 + j25)$ volts. Determine i) The magnitude of the current ii) Impedance iii) The circuit elements iv) Power factor v) Power.	6	L3	CO2
		OR			
2.4	a.	Develop an equation for the power consumed by a $R-C$ series circuit. Draw the waveform of voltage, current and power.	8	L2	CO3
	b.	With relevant diagrams, explain the concept of line values of voltage and current and phase values of voltage and currents in 3 \$\phi\$ star and delta connections.	6	L2	CO3
-		1 of 3	100		
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		0.01611	6	L3	CO3
	c.	A circuit having a resistance of 12Ω on inductors of 0.15H and a capacitance of $100\mu F$ in series is connected across a $100V$, $50Hz$ supply. Calculate i) Impedance ii) Current iii) Power factor iv) Phase difference between the current and supply voltage v) Power.	6	LS	COS
	Tipol I	Module – 3		1 - 0	004
Q.5	a.	With the help of neat diagram, explain the construction of DC generator.	8	L2	CO4
	b.	With usual notations, derive the torque equation of a DC motor.	6	L2	CO4
01	c.	A d.c. shunt generator has a shunt field winding resistance of 100Ω , it is supplying a load of 5kW at a voltage of 250V. If its armature resistance is 0.22Ω and per brush voltage drop is 1 volt. Calculate the induced e.m.f of generator.	6	L3	CO4
		OR		170	COL
Q.6	a.	Give the classification of DC generator. Obtain the expression for EMF equation of a DC generator.	8	L2	CO4
	b.	With neat diagrams, explain the speed control of DC shunt motor.	6	L2	CO4
63	c.	A 4 pole dc shunt motor takes 22 A from 220V supply. the armature and field resistances are respectively 0.5Ω and 100Ω . The armature is lap connected with 300 conductors. If the flux per pole is 20 mwb, calculate i) Speed ii) Gross torque.	6	L3	C04
4 - 1		Module – 4		1 7 4	601
Q.7	a.	Explain the working principle of single phase transformer and its necessity in power system.	8	L1	C01
	b.	Explain the concept of rotating magnetic field in a 3 – phase induction motor with neat vector diagrams.	6	L2	CO2
03	c.	The maximum efficiency at full load and unity power factor of a single – phase 25KVA, 500V/1000V, 50Hz, transformer is 98%. Determine its efficiency at i) 75% load, 0.9 p.f. ii) 50% load, 0.8 p.f.	6	L3	CO2
		OR			
Q.8	a.	With relevant diagrams, explain the construction of 3 – phase induction motors.	8	L2	CO2
	b.	Derive an EMF equation of single phase transformer with usual notation.	6	L2	CO2
	c.	A 3 – phase, 50Hz, 4 pole induction motor, its rotor induced e.m.f is 1.5 Hz frequency. Calculate i) Synchronous speed ii) Full load slip iii) Actual speed.	6	L3	CO3
1 64	18	Module - 5	968		1
Q.9	a.	List the types of wiring system used for domestic / industry. Explain suitable wiring used for staircase, give the schematic / circuit diagram.	6	Li	CO5
1930	b.	What is Earthing? With a neat diagram, explain plate earthing.	8	L2	CO5
	c.	Define Unit and Tariff. Explain the two port tariff with its merits and demerits.	6	L2	CO5

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OR			
What is Fuse? With neat diagram, explain the working principle of fuse.	6	L2	CO5
Define Electric shock. What are the safety precaution to be taken against to	8	L2	CO5

CO5

L3

An electric boiler draws 6A current at 230V for 4 hrs. The electricity costs Rs 3/- per unit. Determine the total cost.

Q.10

b.

avoid electric shock?

3 of 3

[Max. Marks: 50

		DIDITALSO
USN		Question Paper Version: C
F	First Semester B.E./B.Tech. Degr Innovation & De	ree Examination, Jan./Feb. 2023 esign Thinking

INSTRUCTIONS TO THE CANDIDATES

- Answer all the fifty questions, each question carries one mark.
- Use only Black ball point pen for writing / darkening the circles.
- For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.
- Darkening two circles for the same question makes the answer invalid.
- Damaging/overwriting, using whiteners on the OMR sheets are strictly prohibited.
- What is the usual order of problem solving process?

 - a) Try, Reflect, Prepare, Define b) Prepare, Try Define, Reflect
 - c) Try and Reflect

Time: 1 hr.]

- d) Define, Prepare, Try, Reflect
- 2. Reframing a Design Challenge
 - a) Changes the Conceptual view point to an individual perspective
 - b) Helps us come up with the Right Problem to solve.
 - c) Challenges us to design to a marketing focus
 - d) None of these

- Which of the following is true?
 - a) By Empathizing one can define a Problem Well, Conceive a creative solution resulting in break through innovation.
 - b) Empathy makes you a better human, but innovation requires out of the box thinking and not Empathy
 - c) Inventions are sudden Eureka moments and is not really part of the long-term Research or Exploration.
 - d) You become an innovator by Questioning the status Quo.
- Malini is in the Ideate phase. What is her goal?
 - a) To Come up with one or two great ideas
 - b) To come up with us many ideas as possible, good and bad.
 - c) To test his best idea.
 - d) To figure out which problem he's going to solve
- During which stage would you; start looking for a alternative ways of viewing the 5. problem.

Version C - 1 of 5

- a) Prototype
- b) Define c) Ideate
- d) Empathize

6.	Design Thinkers create low-fidelity prototy a) Test concepts quickly and cheaply with b) Validate concepts for the market. c) Build Production-Ready products. d) Estimate the price of production	opes to: potential users.
7.	Which of the following well known consusolution? a) McKinsey & Co. c) Bain & Co.	b) BCG d) All of above
8.	Design Thinking is sometimes visualized a a) Impactful b) Incapacitating	s a linear process, but it is actually: c) Intentional d) Iterative
9.	Which of the following is NOT part of the a) Grouping Related concepts together c) Deliberating	idea-selection process in DT? b) Identifying selection criteria d) Prototyping
10.		age age of school dropouts. Which stage is he
	in? a) Empathize c) Ideate	b) Define problem statement d) Prototype
11.	Which of the following is the least true abo a) It accelerates development process b) It reduces cost of product development. c) It helps in creating product differentiatio d) It helps to beat competition	sidence to up a venue satisficiente est
12.	People Centered Design methodology invola) A problem-solving approach for people to b) A problem-solving approach which is ab products. c) A problem solving approach for people to d) None of these	hat is linear and convergent. stract and Results in making people by
13.	User journey map helps you to, a) Understand the touch point and pain point b) iterate, iterate, iterate c) Identify the user's credibility, expertise a d) None of these	A real list unlainty things and the
14.	What is the role of the Define Stage of designal To define the parameters for a prototype. b) To define the audience, you're trying to be compared to the problem that needs to be so d) To define all of the ideas for solving a problem.	gn thinking? Reach. Ived.
15.	What is a problem statement in design think a) A written expression of problems from the b) A written expression of the problem to be c) A written expression of problems inside te d) A written expression of problems with ta Version	ring? e prototype. e solved. he group.

16.	a) It serves as the guide for developing theb) It illustrates what your competitors arec) It is used in the testing phase for receivingd) It provides focus for the design team's be	prototype. doing better. ng feedback. brain storming.
17.	In this Point of View (POV) statement, adults with arthrit is need Easy-Open bollids" a) Because they struggle to open childprode b) Need easy-open bottles. c) Senior citizens d) None of these	which part is considered the insight? "Senior titles because they struggle to open childproof of lids.
18.	What is Point Of View (POV) in design that a) A Report from the design team about the b) A Customer's opinion about interactions c) A written statement of a Customer's prod) The opinion of the manager about how to	inking? e product. s with you brand. blem of need.
19.	Where do the insights in Point Of View (Po a) Researching other products on the market b) Interviewing the general Public on Social c) Synthesizing the data that has been gathed d) Developing ideas during brainstorming	et. Amontes. al media.
20.	a) How the product behaves in the real con	text. ere a person comes into contact with it and has
21.	Design thinking Approach leads to - a) Technology centric designs c) People centric designs	b) Marketing centric designs d) All of the above
22.	Design-Impacts the business a) True	b) False
23.	Empathy is - a) to understand people and the contexts of b) to know the way the product works c) to imagine people's behavior in different d) None of these	their use of a product
24.	Design thinking encompasses - a) Desirability c) Viability	b) Feasibility d) All of these
25.	Which one of the following is not the minds a) Quick design c) Coding Version	b) Prototype refinement d) Engineer product

26.	Which of the followin a) Make it c) Self oriented	g is not the mindset of	f a Design Thinker? b) Learn from Failure d) Empathy		
27.	Where does the inform a) The Terting stage c) The Ideate stage	nation for defining the	problem in the define p b) The prototype stage d) The Empathize stag		
28.	which?	A self-depicted lida:	ree key elements includi		
	a) Design	b) User	c) Insight	d) Need	
29.	Who is the recommen a) Your target custome c) Professional design	ers	b) People in your team d) Experts	pes with?	
30.		e w o melaung ram	of prototyping Mode 1? b) Vertical Prototype d) Domain prototype		
31.	What is your First mo a) Draft	del/design of a produc b) Rough Draft		d) Practice Design	
32.	The final step in the Da a) Test	esign process is to b) Define	c) Ideate	d) Empathize	
33.	was IDI a) Deep-Design	EO's first expression of b) Deep-Dive		d) Study-Dive	
34.	Frank Robinson define a) Design thinking			d) Hypothesis	
35.	Which of the below is a) Peprico has turned b) Air BnB avoided bac) Google has a 3 step d) All of the above are	Design Thinking into ankruptcy and turned process to bring about	profitable using Design	Γhinking	
36.	At what step do you va) Empathy	vant to complete the Po b) Prototype	OV-Point Of View? c) Define	d) Ideate	
37.	The initial design brie a) Designer	f iS provided by, b) User	c) Both of them	d) Client	
38.	What Element of user a) Interaction Design c) User Research	Experience Design w	ould the design strategy b) Experience strategy d) Information Archite		
39.	When testing a new p detect the main usabil a) The more Persona (c) 10 Persons per Per	ity issues? the better	b) 20 Persons persons per Pers	ona www.	

Version C – 4 of 5

40.	a) Changing innovab) Ready for the ch	ganization for strategic ation process in the organizatio ange in the organizatio are in the capabilities of	anizat n	ion	
41.		siderations are not link			
	a) Products	b) Services	c)	Business	d) Computers
42.	To Empathize, one				
	a) Observe	b) Engage	c)	Listen	d) All of the above
43.	story te	lling is the most compe	lling	type of story,	
	a) Aural	b) Visual	c)	Textual	d) All of these
44.	Design thinker in a	n organization are			
	a) People	b) Employees	c)	Managers	d) All of these
45.		nciple of Design thinkin b) Collaboration	100000	es not include Communication	d) Suppliers
46.	In design, where d from? a) The Design Stage c) The Define stage	e R	b)	put together a pro The Ideate Stage The testing stage	oblem statement come
47.	MVP stands for, a) Minimum Viable c) Most viable prod		all.	Maximum Viable I None of these	Product
48.	Journey mapping is a) Path	also called b) Experience	STATE OF THE PARTY AND ADDRESS OF	apping. Conduct	d) Feedback
49.	Which of the follow a) Co-creation	ving are NOT tools of I b) Prototyping	PERSONAL PROPERTY AND ADDRESS OF THE PERSON	n Thinking? Mind mapping	d) Online marketing
50.	A Prototype is a sin a) Test ideas	nple experimental mode b) Validate ideas	c)	proposed solution both	used to, d) None of these

BORG GAMENIE

	TEMPS SOUR	U.S. (S)	BIDTK158
USN	N	Question P	aper Version: D
	First Semester B.E./B.Tech. Degree	Examination,	Jan./Feb. 2023
	Innovation & Des	ign Thinking	g
Time:	e: 1 hr.]	and examinated as	[Max. Marks: 50
	INSTRUCTIONS TO	THE CANDIDA	TES
1.	Answer all the fifty questions, each questio	n carries one mark	
2.	Use only Black ball point pen for writing	darkening the circ	cles.
3.		49	
	corresponding to the same question num	24.2.2	
4.	was a second of the second of		
5.			
	prohibited.		digora (a
1.	a) Technology centric designs b)	Marketing centric of All of the above	designs
2.		False	SECOND STATES
3.	Empathy is - a) to understand people and the contexts of the b) to know the way the product works c) to imagine people's behavior in different co- d) None of these	ntexts	
4.	a) Desirability b) Feasibility) All of these	
5.	a) Quick design b	of a design thinker?) Prototype refineme) Engineer product	
6.	a) Make it b	Design Thinker?) Learn from Failure) Empathy	21. Which of the
7.		roblem in the define) The prototype stag	

d) The Empathize stage

a) The Terting stagec) The Ideate stage

					II of these Exc
8.	Crafting a Point Of V	'iew (POV) requires th	ree	key elements includi	ing all of these Bas
	which? a) Design	b) User		Insight	d) Need
		CHARLES THE LAND DOLLAR OF		A Marin	nog with?
9.	Who is the recommen	nded group that you sh	ould	test out the prototy	pes with:
	a) Your target custon	ners		People in your team Experts	
	c) Professional design	ners	a)	Experts	
10.	Which is not one of t	he types of prototype	of pr	ototyping Mode 1?	A Now
10.	a) Horizontal prototy	pe	(b)	Vertical Prototype	4,7
	c) Diagonal prototype	e	d)	Domain prototype	
	un . : desien consi	derations are not linke	d wi	th?	
11.	a) Products	b) Services	c)	Business	d) Computers
	a) Products	0) 50111003			
12.	To Empathize, one h	as to,			1) All of the showe
	a) Observe	b) Engage	c)	Listen	d) All of the above
10	story tell	ing is the most compe	lling	type of story.	
13.	a) Aural	b) Visual	c)	Textual	d) All of these
14.	Design thinker in an	organization are,		M	d) All of these
	a) People	b) Employees	c)	Managers	u) All of these
15.	Comprehensive princ	ciple of Design thinkir	ng do	es not include	
15.	a) Relationship	b) Collaboration	c)	Communication	d) Suppliers
	A A A A				blom statement come
16.		es the information us	ea t	o put together a pro	oblem statement come
	from? a) The Design Stage	Valuation .	h)	The Ideate Stage	
	c) The Define stage		-	The testing stage	
	c) The Deline stage				
_17.	MVP stands for,				D 201 40 60
	a) Minimum Viable			Maximum Viable	Product
	c) Most viable produ	ict 🧳 🤚	a	None of these	
18.	Journey mapping is	also called	r	napping.	
10.	a) Path	b) Experience		Conduct	d) Feedback
				TI: 1:9	
19.		ing are NOT tools of I	Jesi	gn Ininking? Mind mapping	d) Online marketing
	a) Co-creation	b) Prototyping	· ·) Willia mapping	d) Offinie marketing
20.	A Prototype is a sim	ple experimental mod	el of	a proposed solution	used to,
	a) Test ideas	b) Validate ideas	c) both	d) None of these
	Which Cal Cal	ing is the least true ob	out a	onen innovation?	
21.	a) It accelerates dev	ing is the least true ab	out (open innovation:	
		product development			
	c) It helps in creating	g product differentiati	on		
	d) It helps to beat co				

22. People Centered Design methodology involves,

a) A problem-solving approach for people that is linear and convergent.

b) A problem-solving approach which is abstract and Results in making people by

c) A problem solving approach for people that both diverges and converges.

d) None of these

23. User journey map helps you to,

a) Understand the touch point and pain points of the user.

b) iterate, iterate, iterate

c) Identify the user's credibility, expertise and skills.

d) None of these

24. What is the role of the Define Stage of design thinking?

a) To define the parameters for a prototype.

- b) To define the audience, you're trying to Reach.
- c) To define the problem that needs to be solved.
- d) To define all of the ideas for solving a problem.
- What is a problem statement in design thinking?
 - a) A written expression of problems from the prototype.
 - b) A written expression of the problem to be solved.
 - c) A written expression of problems inside the group.
 - d) A written expression of problems with target market.
- What purpose does Point Of Veiw (POV) serve in design thinking?

a) It serves as the guide for developing the prototype.

- b) It illustrates what your competitors are doing better.
- c) It is used in the testing phase for receiving feedback.
- d) It provides focus for the design team's brain storming.
- In this Point of View (POV) statement, which part is considered the insight? "Senior adults with arthrit is need Easy-Open bottles because they struggle to open childproof lids"

a) Because they struggle to open childproof lids.

- b) Need easy-open bottles.
- c) Senior citizens
- d) None of these
- What is Point Of View (POV) in design thinking?

a) A Report from the design team about the product.

- b) A Customer's opinion about interactions with you brand.
- c) A written statement of a Customer's problem of need.
- d) The opinion of the manager about how to brain storm.
- 29. Where do the insights in Point Of View (POV) in design thinking come from?

a) Researching other products on the market.

- b) Interviewing the general Public on Social media.
- c) Synthesizing the data that has been gathered
- d) Developing ideas during brainstorming

Version D - 3 of 5

_ 30.	a) How the product behaves in the real context.b) How a product works on the outside where a person comes into contact with it a	nd has
	to use it.	
	c) All of the above	
	d) None of the above	
31.	What is the usual order of problem solving process? a) Try, Reflect, Prepare, Define b) Prepare, Try Define, Reflect c) Try and Reflect d) Define, Prepare, Try, Reflect	
32.	Reframing a Design Challenge - a) Changes the Conceptual view point to an individual perspective b) Helps us come up with the Right Problem to solve. c) Challenges us to design to a marketing focus d) None of these	
	Character and the second of th	
_ 33.	 Which of the following is true? a) By Empathizing one can define a Problem Well, Conceive a creative solution resulting in break through innovation. b) Empathy makes you a better human, but innovation requires out of the box third 	nking
	and not Empathy c) Inventions are sudden Eureka moments and is not really part of the long-term Research or Exploration.	
	d) You become an innovator by Questioning the status Quo.	
34.	Malini is in the Ideate phase. What is her goal? a) To Come up with one or two great ideas b) To come up with us many ideas as possible, good and bad. c) To test his best idea. d) To figure out which problem he's going to solve	
25	During which stage would you : start looking for a alternative ways of view	ing the
35.	problem.	mg the
	a) Prototype b) Define c) Ideate d) Empathize	
_ 36.	Design Thinkers create low-fidelity prototypes to: a) Test concepts quickly and cheaply with potential users. b) Validate concepts for the market. c) Build Production-Ready products. d) Estimate the price of production	
37.	Which of the following well known consulting firms are offering Design Think	ing as a
	solution?	8
	a) McKinsey & Co. b) BCG c) Bain & Co. d) All of above	
20	Design Thinking is sometimes visualized as a linear process, but it is actually:	
38.	a) Impactful b) Incapacitating c) Intentional d) Iterative	
	Version D – 4 of 5	

_ 39	 Which of the following is NOT part of the a) Grouping Related concepts together c) Deliberating 		
_ 40	in?		
	a) Empathize c) Ideate	b) Define problem stand) Prototype	atement
41.	What is your First model/design of a product a) Draft b) Rough Draft	ct called?	d) Practice Design
42.	and step in the Design process is to	A.	
- 43.		c) Ideate	d) Empathize
	a) Deep-Design b) Deep-Dive	c) Deep-Structure	d) Study-Dive
- 44.	Frank Robinson defined and coined the term a) Design thinking b) Mind mapping	n. c) MVP	d) Hypothesis
45.	Which of the below is incorrect? a) Peprico has turned Design Thinking into it b) Air BnB avoided bankruptcy and turned pc) Google has a 3 step process to bring about d) All of the above are correct	profitable using Design	Thinking
46.	At what step do you want to complete the PC a) Empathy b) Prototype	OV-Point Of View? c) Define	d) Ideate
47.	The initial design brief iS provided by, a) Designer b) User	c) Both of them	d) Client
48.		b) Experience strategy d) Information Archite	y
179	When testing a new prototype, how many pedetect the main usability issues? a) The more Persona the better c) 10 Persons per Persona	b) 20 Persons per Pers d) Five Persons per Pe	sona
	Readiness of the organization for strategic ima) Changing innovation process in the organization (b) Ready for the change in the organization (c) Ready for change in the capabilities of the (d) All of the above	zation	

USN

Question Paper Version: A

First Semester B.E. Degree Examination, Jan./Feb. 2023

ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡ

(COMMON TO ALL BRANCHES)

Time: 1 hrs.]

[Max. Marks: 50

ಸೂಚನೆಗಳು

- ಎಲ್ಲ ೩೦ ಪ್ರಶ್ನೆಗಳಿಗೂ ಉತ್ತರಿಸಿರಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ ಒಂದು ಅಂಕ.
- 2. ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ಯು.ಎಸ್.ಎನ್ಫ್ ಸಂಖ್ಯೆ ಹಾಗೂ ಪಶ್ನೆ ಪತ್ರಿಕೆಯ ಶ್ರೇಣಿಯನ್ನು ಅಂದರೆ A, B, C ಅಥವಾ D ಯನ್ನು ತಪ್ಪಿಲ್ಲದಂತೆ ಕಡ್ಡಾಯವಾಗಿ ಗುರುತಿಸುವುದು ಅಭ್ಯರ್ಥಿಯ ಜವಾಬ್ದಾರಿಯಾಗಿರುತ್ತದೆ.
- ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ನಿಗ್ಗದಿಪಡಿಸಿರುವ ಸ್ಥಳದಲ್ಲಿ ಭರ್ತಿಮಾಡದೆ 3. ಅಥವಾ ಭರ್ತಿಮಾಡಿದ ಮಾಹಿತಿಯಲ್ಲಿ ಯಾವುದೇ ಹಾಗೆಯೇ ಬಿಟ್ಟಲ್ಲಿ ವ್ಯತ್ಯಾಸವಿದ್ದಲ್ಲಿ ಅಂತಹ ಉತ್ತರ ಪತ್ರಿಕೆಗಳನ್ನು ರದ್ದು ಪಡಿಸಲಾಗುವುದು.
- ಕೇವಲ ಒಂದು ಉತ್ತರವನ್ನು ಮಾತ್ರ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ಗುರುತಿಸತಕ್ಕದ್ದು. ಒಂದೆ ಪ್ರಶ್ನೆಗೆ ಎರಡು ಉತ್ತರವನ್ನು ಗುರುತಿಸುವುದು ಅಮಾನ್ಯ.
- ಎಲ್ಲಾ ಉತ್ತರಗಳನ್ನು ನಿಮಗೆ ಒದಗಿಸಲಾದ್ಯ ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯ ಹಾಳೆಯ ಮೇಲೆ ಕಪ್ಪು ಅಥವಾ ನೀಲಿ ಶಾಹಿಯ ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ನಿನಿಂದ ಗುರುತು ಮಾಡಬೇಕು.

1	1800 ರಲ್ಲಿ ಬಳ್ಳಾರಿ	20203	よっきょう かりかん	di	2	
1.	1800 05 2890	യല്ല്	9000 01 1mm	ω-	1	
			- These	- 1-	- Nec	D

- A) ಡಿಸಿ
- C) राज क्रांचारा वार्ता,
- ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಲಿಪಿಗಳ ರಾಣಿ ಎಂದು ಕರೆದವರು ---
 - (A) ಅಕ್ಕಮಹಾದೇವಿ (B) ತ್ರಿವೇಣಿ
- C) ಜನಪದಸ್ವೀ
- D) ವಿನೋಭಾ ಭಾವೆ.
- 3. ಕನ್ನಡ ನಾಡಿನ ಜನತೆಯನ್ನು ವರ್ಣಿಸಿರುವ ಗ್ರಂಥ -
 - A) 18
- B) ಸಖಿಗೀತ
- C) ಕಗ
- D) ಕವಿರಾಜಮಾರ್ಗ.

4. ವಿದ್ಯಾವರ್ಧಕ ಸಂಘವು ಎಲ್ಲಿ ಸ್ಥಾಪನೆಯಾಯಿತು?

- A) ಧಾರವಾಡ
- B) ಹುಬ್ಬಳ್ಳಿ
- C) ಹರಿಹರ
- D) ದಾವಣಗೆರೆ.

Ver-A 1 of 6

			The state of the s	
5.	ಜನಪದ ಸಾಹಿತ್ಯದ	ಪ್ರಕಾರಗಳು	- was loss to	
	A) ಕವನ		B) ಕಾದಂಬರಿ	
	C) ಹಾಡು, ಒಗಟು,	ಒಡಪು, ಭಾವಗೀತೆ	D) ಚಿತ್ರಗೇತೆ.	
			100 2	A. Commercial Commerci
6.	ನಗುವು ಸಹಜದ ಧಾ	ರ್ಮ, ನಗೆಸುವುದು	-62	
	A) ಧರ್ಮ	B) ಅಧರ್ಮ	C) ಹುಚ್ಚು	D) ಪರಧರ್ಮ.
			for the second	
				7
7.	ವಸುಧೆಯೊಳ್ ಶಿಶುನ	ನಾಳಧೀಶನ ಮುಂದೆ ದಾ	್ರನದ ಮಗಿಯೊಂದು ಇಡುವ	00
	A) ಅಗಸಗಿತ್ತಿ	B) ಕುಂಬಾರಕಿ	C) ಬಳೆಗಾರ್ತಿ	D) ಮುದುಕಿ.
		ment de la como	West A	
8.	ಹೊತ್ತು ಕಣಕಣಗಿ ಪ	ುಣನುಗೆದಲಿರುವೆಗಳು ಕ	ಚ್ <mark>ಚಿದಗೂಡಿಗೆ ಸೇರುವುದು</mark>	
		B) ಗೀಜಗ	©) ಗುಬ್ಬಿ	D) ಸರ್ಪ.
	A) 88	B)TROTT	w	PAR A THINGS AND A
			A.V.	
9.	ಕೊಟ್ಟು ಕುದಿಯಲುಬ	ೀಡ, ಇಟ್ಟು ಹಂಗಿಸಬೇಡ	, ಎಷ್ಟುಂಡರೆಂದು ಅಸಭೇಡ	, ಈ ಮೂರು ಮುಟ್ಟಾವು
	ಸದರೀಗಿ.	257.640		Q
	A) ಬ್ರಹ್ಮನ	B) ವಿಷ್ಣುವಿನ	C) ಮಹೇಶ್ವರನ	D) ಶಿವನ
	san engle			W. C. Spiller
10.		ತಾಳು ಮನವೇ, ಕೀರ್ತ	ನೆಯ ರಚನೆಕಾರರು	
10.	英 海		All the second s	D) ಪುರಂದರದಾಸರು.
	A) ಶರಣರು	B) ವಚನಕಾರರು	C) anomenico	S LA COLLEGE
11.	すっぱっぱっ まつぐその	ರ ಕುಣಿತ ಮಾನುಉು ಕ	ುಣಿತವಲ್ಲ್ಯಅದು ಎಲ್ಲಾ	ಯ ಮೊತ.
11.	49	_ದ ರಾಜ್ಕರ ಹಾಕಿಯಾಂಡ ರ B) ಸ್ವೀಕೃತಿ	್ರಿ ವಿಕೃತಿ	D) ಸಂಪತ್ತು.
	A) ಆಕೃತಿ	B) N. (6)(9	Ç) & 0 S	1002 ACC 000250
	A STATE OF THE STATE OF		CAL DIV. DID STORY	
12.	ರೋಪಣ ಮಾಸರಂ	ದೆ ಮಗನ ಹೆಸರೇನು	?	
	A) ಕರೀಂಖಾನ್	B) ಪ್ರಹ್ಲಾದ	C) ರಾಮು	D) ಶಿವಪ್ರಸಾದ.
	A) SOCOSSOC			(Mex Matter 30
		CONSTRUCTION DE		
13.	ಕಾಸಿಂಸಾಬರ ಮಗ	ಗಳ ಹೆಸರು	7	
	A) ರುಕ್ಮಿಣಿ	B) ರೇಖಾ	C) ರಾಧಾ	D) ಚಾಂದಿನಿ.
		Valor of the speak	CO EXHIBITION .	
	12		Ver-A 2 of 6	
	AND THE RESERVE OF THE PERSON			THE RESIDENCE OF THE PARTY OF T

14.	ಅಪಾರ್ಟಮೆಂಟಿನ ಜ	ನರು ಗೋಪಣ್ಣ ಮಾಸ್ತರರ	ನ್ನು ಕರೆದಿದ್ದು ಹೀಗೆ	Color (i)
	A) ತಾತ		C) ಓಲ್ಡ್ ಮ್ಯಾನ್	D) ಮುದುಕ. ៖
15.	ಕನಕದಾಸರ ಅಂಕಿತ A) ಕನಕಪ್ಪ C) ತಿಮ್ಮಪ್ಪನಾಯಕ	Commence and China	B) ದಾಸ D) ಕಾಗಿನೆಲೆ ಆದಿಕೇಶವರಾ	oti.
16.	ಆರ್ಥಿಕವಾಗಿ ಹಾಗು	ಸಾಮಾಜಿಕವಾಹಿ ಕೆಳಸರ	ದಲ್ಲಿರುವ ವ್ಯಕ್ತಿಗಳು ಉಳಿಸಿಕೊಂ	ಡು ಬಂದಿರುವ
		ಲ್ಯಗಳ ತಿರುಳಾಗಿರುವ ಕ		
			(C) ನಾಗರಹಾವು	D) ಯುಗಾದಿ.
17	ಕಳವೆ ಪದದ ಅರ್ಥ-		* Proceedings (8.	
11.	A) ಚೀಲ	 B) ಭತ್ತ	C) තුඩ	D) ಜೋಳ.
	A) aco	Β) ψο		
10			المراجعة على المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة	1 2010
18.			ರ್ಯದ ಸಂಕೇತಿಕವಾಗಿ ನಿಲ್ಲಿಸುವ	
	A) ಶಾಸನ	B) ಗಡಿಕಲ್ಲು	(C) ಶಿಲಾಶಾಸನ	D) ವೀರಗಲ್ಲು.
			No.	
19.	ಕುರುಡ ಕಣ್ಣು ಕಾಣಲ	ರಿಯದೆ ಬಯ್ದದ		
19.	ಕುರುಡ ಕಣ್ಣು ಕಾಣಲ A) ಕಿವಿ	ುರಿಯದೆ ಬಯ್ದದ B) ಕಣ್ಣು	ು. C) ಕನ್ನಡಿ	ಿ D) ದೇವರು.
19.				್ D) ದೇವರು.
	A) ಕಿವಿ	В) ಕಣ್ಣ		568 (2000) VS
	A) ಕಿವಿ	В) ಕಣ್ಣ	C) ಕನ್ನಡಿ	568 (2000) VS
	A) ಕಿವಿ ಕೂಲಿ ಕಂಬಳಿಯವರ	B) ಕಣ್ಣು ರ ಪಾಲಿನ ಮೈದೊಗಲ ಧ	C) ಕನ್ನಡಿ ೂಳಿಯ ಹಣೆಯೊಳಗಿತು	<u>.</u>
20.	A) ಕಿವಿ ಕೂಲಿ ಕಂಬಳಿಯವರ A) ಕುಂಕುಮ	B) ಕಣ್ಣ ರ ಪಾಲಿನ ಮೈದೊಗಲ ಧ B) ಭಂಡಾರ	C) ಕನ್ನಡಿ ೂಳಿಯ ಹಣೆಯೊಳಗಿತು	<u>.</u>
20.	A) ಕಿವಿ ಕೂಲಿ ಕಂಬಳಿಯವರ A) ಕುಂಕುಮ ಹುಲ್ಲಾಗು ಬೆಟ್ಟದಡಿ ಕ	B) ಕಣ್ಣ ರ ಪಾಲಿನ ಮೈದೊಗಲ ಧ B) ಭಂಡಾರ ಮನೆಗೆ ಆಗು.	C) ಕನ್ನಡಿ ೂಳಿಯ ಹಣೆಯೊಳಗಿತು	<u>.</u>
20.	A) ಕಿವಿ ಕೂಲಿ ಕಂಬಳಿಯವರ A) ಕುಂಕುಮ ಹುಲ್ಲಾಗು ಬೆಟ್ಟದಡಿ ಕ	B) ಕಣ್ಣ ರ ಪಾಲಿನ ಮೈದೊಗಲ ಧ B) ಭಂಡಾರ ಮನೆಗೆ ಆಗು. B) ಅಬಲಿಗೆ	C) ಕನ್ನಡಿ ೂಳಿಯ ಹಣೆಯೊಳಗಿತು C) ಅಂಗಾರ C) ಜಾಜಿ	್ತಾ. D) ಶ್ರಮ.
20.	A) ಕಿವಿ ಕೂಲಿ ಕಂಬಳಿಯವರ A) ಕುಂಕುಮ ಹುಲ್ಲಾಗು ಬೆಟ್ಟದಡಿ ಕ A) ಮಲ್ಲಿಗೆ	B) ಕಣ್ಣು ನ ಪಾಲಿನ ಮೈದೊಗಲ ಧ B) ಭಂಡಾರ ಮನೆಗೆ ಆಗು. B) ಅಬಲಿಗೆ	C) ಕನ್ನಡಿ ೂಳಿಯ ಹಣೆಯೊಳಗಿತು C) ಅಂಗಾರ C) ಜಾಜಿ	್ತಾ. D) ಶ್ರಮ.
20.	A) ಕಿವಿ ಕೂಲಿ ಕಂಬಳಿಯವರ A) ಕುಂಕುಮ ಹುಲ್ಲಾಗು ಬೆಟ್ಟದಡಿ ಕ A) ಮಲ್ಲಿಗೆ ಸಿಂಹಾಸನಕೆ ಕೊನೆಗ	B) ಕಣ್ಣ ರ ಪಾಲಿನ ಮೈದೊಗಲ ಧ B) ಭಂಡಾರ ಮನೆಗೆ ಆಗು. B) ಅಬಲಿಗೆ	C) ಕನ್ನಡಿ ೂಳಿಯ ಹಣೆಯೊಳಗಿತು C) ಅಂಗಾರ C) ಜಾಜಿ	್ತ. D) ಶ್ರಮ. D) ಸಂಪಿಗೆ.
20.	A) ಕಿವಿ ಕೂಲಿ ಕಂಬಳಿಯವರ A) ಕುಂಕುಮ ಹುಲ್ಲಾಗು ಬೆಟ್ಟದಡಿ ಕ A) ಮಲ್ಲಿಗೆ ಸಿಂಹಾಸನಕೆ ಕೊನೆಗ	B) ಕಣ್ಣು ನ ಪಾಲಿನ ಮೈದೊಗಲ ಧ B) ಭಂಡಾರ ಮನೆಗೆ ಆಗು. B) ಅಬಲಿಗೆ	C) ಕನ್ನಡಿ ೂಳಿಯ ಹಣೆಯೊಳಗಿತು C) ಅಂಗಾರ C) ಜಾಜಿ	್ತಾ. D) ಶ್ರಮ.

23.	ಕನ್ನಡಕ್ಕೆ ಪ್ರಥಮ ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ತಂದು ಕೊಟ್ಟಾ	dd	
	A) ಮಾಸ್ತಿ ವೆಂಕಟೇಶ ಅಯ್ಯಂಗಾರ	B) ಶಿವರಾಮ ಕಾರಂತ	
	C) ಕುವೆಂಪು	D) ಜಿ. ಎಸ್. ಶಿವರುದ್ರಪ್ಪ	
		Contract of the contract of th	
24.	ಧರ್ಮ ಸಹಿಷ್ಣತೆ ಬಗ್ಗೆ ಹೇಳುವ ಶಾಸನ ಇದಾಗಿದೆ	200	2
	A) ಶ್ರವಣಬೆಳಗೊಳದ ಶಾಸನ	B) ಹಲ್ಮಿಡಿಶಾಸನ	A STREET
	C) ಚಂದ್ರವಳ್ಳಿ ಶಾಸನ	D) ಬೇಲೂರು ಶಾಸನ.	
	The same and the same	A STATE OF THE PARTY OF THE PAR	
25.	ನವಿಲಿಗೆ ಬರೆದ್ದವರು ಯಾರು?	43	
	A) ಕಣ್ಣ B) ಕಿವಿ	C) 05	D) ಚಿತ್ರ.
	Controlle Contro	ab yakina aza, wasa	
26.	ಸಹ ಜ ಧರ್ಮ.		
	A) ಕೇಳುವುದು B) ಹೇಳುವುದು	C) ಅಳುವುದು	D) ನಗುವುದು
			THE DE LEVEL OF THE PARTY OF TH
27.	ಯಾವ ಆವಿಗೆಯನ್ನು ಕುಂಬಾರಕ್ತಿ ಮುಚ್ಚುವಳು	?	
	A) ಗಡಗಿ B) ಆಚಾರ	C) rha	D) ಭಕ್ತಿ.
			A STATE OF THE PARTY OF THE PAR
28.	ಕರ್ನಾಟಕ ಸಂಗೀತದ ಪಿತಾಮಹ ಯಾರು	?	
	A) ಆಲೂರು ವೆಂಕಟರಾಯರು	B) ಕನಕದಾಸರು	
	C) ಪುರಂಡರದಾಸರು	D) ಹರಿದಾಸರು.	
	A CONTRACTOR OF THE PROPERTY O	And the second	
29.	ಯಾರ ಎಲುಬನ್ನು ಕಾಂಚಾಣ ಕಿರುಗೆಜ್ಜೆಯಾಗಿ ಮಾಡಿ	ಕೊಂಡಿದೆ ?	
	the territory and the territor	C) ಹೆಂಗಸರು	D) ಬಾಣಂತಿ.
	frank remaining "condenses"		
30	ಕಂತ ಚಿತ್ರಗಳ ಕಂಡಿನಲ್ಲ ನೇರತಂಬರು		
30.	ಹೊಸ ಚಿಗುರು ಕೂಡಿರಲು ಮರಸೊಬಗು. A) ಎಲೆ B) ಹಸಿರು	C) ಕಾಂಡ	D) ಹಳೇಬೇರು.
	A) ao B) who		2) 20 (20)
31.	ತೇಲಾಡುವ ಮೇಘಗಳ ಮದ್ಯ ಇರುವುದರಿಂದಲೇ ಇದ	ರಕ್ಕೆ ಎಂಬ ಹೆಸರು ಇ	ಬಂದಿದೆ.
		C) ಪರ್ವತ	D) ಮೆಗಾನೆ.
	The section of the se		

Ver-A 4 of 6

32.	ಹಾಸನದ ಬಯಲು ಸ	ಸೀಮೆಯಿಂದ ಅಕಸ್ಮಾತ್ತಾಗ <u>ಿ</u>	ಮೆಗಾನೆ ಸೇರಿರುವವರು	The state of
	A) ಸೀತಮ್ಮ		C) ಲಕ್ಷ್ಮಮ	D)ಮಾರಮ್ಮ.
			040	
33.	ಸಂಗೀತಪುಗನು ಈ	ಹಿಂದೆ ಯಾರ ಉರಾಗಿತ್ತು?	and Programme of the second	District Space 4
ASSE	A) ಕ್ರಿಸ್ತರು		(g) ಜೈನರು	D) ಕಾಡಿನ ಜನರ.
	A) Gligar	D) 20 110 110 110 110 110 110 110 110 110		The state of the s
24			- B codect and delicate -	
34.	ಮನುಕುಲದ ಚರಿತ್ರೇ	ಯಲ್ಲಿ ಮಹಿಳೆಯರ ಕೃಕಸು	ಬಾಗಿ ಆರಂಭವಾದ ಕಲೆಯೇ	D) zei
	A) ಉದ್ಯಮ	B) ಗೃಹೋಪಯೋಗಿ	C) ಕರಕುಶಲ ಕಲೆ.	D) 66.
		and Some the	Contract Con	
35.	ಸರ್ವರಿಗೂ ಸಮಪಾ	ಲು, ಸರ್ವರಿಗೂ ಸಮಬಾಳ	ಶು ಇದು ದ ವಾಣಿ.	
	A) ಕಲಿಯುಗ	B) ತ್ರೈತಾಯುಗ	(್) ನವಯುಗ	D) ಶಿಲಾಯುಗ.
			A STATE OF THE STA	
	A STATE OF THE STA			
36.		100	ಕದಗಳ ರಸದೌತಣ ಇವು ಕುಣಚ	೨ಯಿಎ೦
	A) ಮಾತುಗಳು	B) ಹಾಡುಗ್ಗಳು	C) ಆಭರಣಗಳು	D) ನೃತ್ಯಗಳು.
				City and the second
37.	ಬಟೆಯ ಮೇಲಿನ ಮ	ುದ್ರಣಕಲೆಗೆ ಮೂಲ ನೆಲೆಯ	ು ಭಾಥ ದೇಶ 🚕	Listaco LAA
	A) ಅಮೇರಿಕಾ	F10.7	C) ಭಾರತ	D) ಇಂಗ್ಲೆಂಡ್.
			V (
	School Section 1			555 (A
38.	4		ಾಗಬಲ್ಲದೆಂಬುದು ವಿಶ್ವೇಶ್ವರಯ್ಯ	
	A) ඨුලේ	B) ವಿಶ್ವಾಸ	C) ಧರ್ಮ	D) ನಂಬಕ.
A	A CONTRACTOR OF THE PARTY OF TH	CALL TO THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE	A STORY OF STREET	
39.	"ದುಡಿದವನಿಗೆ ಪ್ರತಿ	ಫಲ ದೊರೆಯಲೇಬೇಕು" ಎ	ಂಬ ತತ್ವ	
	A) ಗಾಂಧೀಜಿಯವರ	र्वेत	B) ನೆಹರುರವರದು	
	C) ವಿಶ್ವೇಶ್ವರಯ್ಯನಾ	ವರದು	D) ಕುವೆಂಪುರವರದು.	
		neson bearings	Stocks both told groups with	
40.	ಕನ್ನಡ ಸಂಸ್ಕೃತಿ ಈ	ರೀತಿಯಾಗಿದೆ.		008 (A
	A) ಬಹುರೂಪಿಯಾ		B) ವರ್ಣರಂಜಿತವಾಗಿದೆ	
	C) ಜೀವಂತವಾಗಿದೆ		D) ಮೇಲಿನ ಎಲ್ಲವೂ.	
			North North	Section 1
	170		Yor A 5 of 6	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND

			70.4	
41.	ಕನ್ನಡಕ್ಕೆ ಅಪರೂಪದ	ನ ನಿಘಂಟನ್ನು ರಚಿಸಿಕೊಟ	್ಟ ಜರ್ಮನ್ ದೇಶದ ಕವಿ	Line of the same
	A) ಕಿಟಲ್	B) ಅಂಟೋನಿ	C) ಅಕ್ಷಬಾನಿ	D) ಮೆಕಾಲೆ.
12				
42	भागवं सकारवं ।	ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಏನೆ	ഠയ അഭ്രേഗവ!	and the second second second
	A) లిడి	B) ಮಾತೃಭಾಷೆ	್ರಿ () ಆಡಳಿತ ಭಾಷೆ	D) ಶಾಸ್ತ್ರೀಯ ಭಾಷೆ.
43.	ಯುಗಾದಿ ಕಥೆಯಲ್ಲಿರ	ರುವ ಪ್ರಹ್ಲಾದ	ಇಂಜಿನಿಯರ್.	
	A) ಹಾರ್ಡ್ ವೇರ್ ಇ	ಂಜಿನಿಯರ್	B) ಸಿವಿಲ್ ಇಂಜಿನಿಯರ್	
	C) ಸಾಫ್ಟವೇರ್ ಇಂಚ	ಸಿನಿಯರ್ <u>ಹ</u> ಿತ್ರಾ	D) ಮೆಕ್ಯಾನಿಕಲ್ ಇಂಜಿನಿ)ಯರ್.
44.	ಮೊದಲ ಬಾರಿ ಜೋ	ಗ ಜಲಪಾತ ಕಂಡು ವಿಶ್ಚ	್ರೀಶ್ವರಯ್ಯ ಅವರು ಉದ್ದರಿಸಿದ್ದು –	
	A) ಎಷ್ಟೂಂದು ಶಕ್ತಿ ಕ	ಪೋಲಾಗುತ್ತಿದೆ.	B) ಎಷ್ಟೊಂದು ಭೀಕರವಾಗಿದೆ.	
	C) ಎಷ್ಟೊಂದು ಗಲೀ	ಜ್ಞಾಗಿದೆ	D) ಇದನ್ನು ನೋಡಿದ ನಾನೇ ಧ	ಸನ್ಯ.
	1 1		Sept 2.	
45.	A. Tellan	6.7	ಸತಾರ ಪುರುಷನಾಗೆ ಕಾಣಿಸಿಕೊ <u>ಂ</u>	ಡವರು
	A) ಎ.ಎಸ್. ಮೂತೀ	F ರಾ ವ್	B) ಸರ್. ಎಂ. ವಿಶ್ವೇಶ್ವರಯ್ಯ	
	C) ಕಂಬಾರ		D) ಕುವೆಂಪು.	A CONTRACTOR OF THE PARTY OF TH
46.	ಗೋಪಣ್ಣ ಮಾಸ್ತರರ	CHECK TO		
	A) ಕಾಸಿಂಸಾಬರು	B) ನರಸಿಂಹವ	ೂರ್ತಿ (೧) ಪ್ರಹ್ಲಾದ ,	D) ಬ್ರಾಹ್ಮಣ.
	Paragonal (
47.	ರಸಋಷಿ ಎಂದು ಕರ	ಯಲ್ಪಡುವ ಕವಿ		
	A) ಡಿವಿಜಿ	B) ಕುವೆಂಪು	C) ಜಿ.ಎಸ್. ಶಿವರುದ್ರಪ್ಪ	D) ಗೋವಿಂದ ಪೈ.
			and the second second	
48.	ಕಬ್ಬಿಗರ ಕಾವ್ಯ ಕೃತೀ	ಯನ್ನು ರಚಿಸಿದವರು	Company	
40	A) ಪಂಪ	B) ಆಂಡಯ್ಯ	೦) ಹೆಲ್ಮಿಡಿ ಶಾಸನ	D) ಕಾವ್ಯ.
	>		A company of the same and the same and the	
49.	ಕುಣಬಿ ಜನಾಂಗ್ರದ್ಧವೆ	ರು ಮೂಲತ: ಯಾವ ರ	ಾಜ್ಯದ ಹಿನ್ನಲೆ ಹೊಂದಿದ್ದಾರೆ.	
	A) ಮಧ್ಯಪ್ರದೇಶ	B) ರಾಜಸ್ಥಾನ್	C) ಆಂಧ್ರಪ್ರದೇಶ	D) ಗೋವಾ.
		A	4-26301	
50.			ರೆ ಬಣ್ಣಗಳನ್ನು ನೀಡುವ ಸುಮಾರ	ರು
	A) 300	B) 2500	C) 600	D) 200.
	A A	* 100 consis 61		Difficulties on

Ver-A 6 of 6

First Semester B.E. Degree Examination, Jan./Feb. 2023

ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡ

(COMMON TO ALL BRANCHES)

Time: 1 hrs.]

[Max. Marks: 50

ಸೂಚನೆಗಳು

ಎಲ್ಲ ೩೦ ಪ್ರಶ್ನೆಗಳಿಗೂ ಉತ್ತರಿಸಿರಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ ಒಂದು ಅಂಕ.

2. ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ಯು.ಎಸ್.ಎಸ್ ಸಂಖ್ಯೆ ಹಾಗೂ ಪಶ್ನೆ ಪತ್ರಿಕೆಯ ಶ್ರೇಣಿಯನ್ನು ಅಂದರೆ A, B, C ಅಥವಾ D ಯನ್ನು ತಪ್ಪಿಲ್ಲದಂತೆ ಕಡ್ಡಾಯವಾಗಿ ಗುರುತಿಸುವುದು ಅಭ್ಯರ್ಥಿಯ ಜವಾಬ್ದಾರಿಯಾಗಿರುತ್ತದೆ.

ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ನಿಗದಿಪಡಿಸಿರುವ ಸ್ಥಳದಲ್ಲಿ ಭರ್ತಿಮಾಡದೆ ಅಥವಾ ಭರ್ತಿಮಾಡಿದ ಮಾಹಿತಿಯಲ್ಲಿ ಹಾಗೆಯೇ ಬಿಟ್ಟಲ್ಲಿ ವ್ಯತ್ಯಾಸವಿದ್ದಲ್ಲಿ ಅಂತಹ ಉತ್ತರ ಪತ್ರಿಕೆಗಳನ್ನು ರದ್ದು ಪಡಿಸಲಾಗುವುದು.

4. ಕೇವಲ ಒಂದು ಉತ್ತರವನ್ನು ಮಾತ್ರ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ಗುರುತಿಸತಕ್ಕದ್ದು. ಒಂದೆ ಪ್ರಶ್ನೆಗೆ ಎರಡು ಉತ್ತರವನ್ನು ಗುರುತಿಸುವುದು ಅಮಾನ್ಯ.

ಎಲ್ಲಾ ಉತ್ತರಗಳನ್ನು ನಿಮಗೆ ಒದಗಿಸಲಾದ ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯ ಹಾಳೆಯ ಮೇಲೆ ಕಪ್ಪು ಅಥವಾ ನೀಲಿ ಶಾಹಿಯ ಬಾಲ್ಪಾಯಿಂಟ್ ಪೆನ್ನಿನಿಂದ ಗುರುತು ಮಾಡಬೇಕು.

1.	ಕನ್ನಡಕ್ಕೆ	ಅಪರೂಪದ	ನಿಘಂಟನ್ನು	ರಚಿಸಿಕೊಟ್ಟ	ಜರ್ಮನ್	ದೇಶದ	ಕವಿ	
	a b		d	ಚ				

- A) ಕಿಟಲ್
- B) ಅಂಟೋನಿ
- C) ಅಂಬಾನಿ
- D) ಮೆಕಾಲೆ.
- 2. ಭಾರತ ಸರ್ಕಾರವು ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಏನೆಂದು ಘೋಷಿಸಿದೆ?
 - A) లిపి
- B) ಮಾತೃಭಾಷೆ
- C) ಆದಳಿತ ಭಾಷೆ D) ಶಾಸ್ತ್ರೀಯ ಭಾಷೆ.
- 3. ಯುಗಾದಿ ಕಥೆಯಲ್ಲಿರುವ ಪ್ರಹ್ಲಾದ ----- ಇಂಜಿನಿಯರ್.
 - A) ಹಾರ್ಡ್ ವೇರ್ ಇಂಜಿನಿಯರ್
- B) ಸಿವಿಲ್ ಇಂಜಿನಿಯರ್
- C) ಸಾಫ್ರವೇರ್ ಇಂಜಿನಿಯರ್
- D) ಮೆಕ್ಯಾನಿಕಲ್ ಇಂಜಿನಿಯರ್.
- 4. ಮೊದ್ದಲ ಬಾರಿ ಜೋಗ ಜಲಪಾತ ಕಂಡು ವಿಶ್ವೇಶ್ವರಯ್ಯ ಅವರು ಉದ್ದರಿಸಿದ್ದು -
 - A) ಎಷ್ಟೂಂದು ಶಕ್ತಿ ಪೋಲಾಗುತ್ತಿದೆ.
- B) ಎಷ್ಟೊಂದು ಭೀಕರವಾಗಿದೆ.
- C) ಎಷ್ಟೊಂದು ಗಲೀಜಾಗಿದೆ
- D) ಇದನ್ನು ನೋಡಿದ ನಾನೇ ಧನ್ಯ.

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5.	ಮಂಡ್ರಜಿಲೆಯ ಜನ	ರಿಗೆ ಅನ್ನಬ್ರಹ್ಮನಾಗಿ ಅವ	ಸತಾರ ಪುರುಷನಾಗೆ ಕಾಣಿಸಿಕ <u>ೊ</u> ಂ	ಂಡವರು
		ರಾವ್	B) ಸರ್. ಎಂ. ವಿಶ್ವೇಶ್ವರಯ್ಯ	2.0-43
	C) ಕಂಬಾರ		D) ಕುವೆಂಪು.	
6.	ಗೋಪಣ್ಣ ಮಾಸ್ತರರ	ಆತ್ಮೀಯ ಗೆಳೆಯ	- Alemania	
		B) ನರಸಿಂಹಮ		D) ಬ್ರಾಹ್ಮಣ.
7.	ರಸಖುಷಿ ಎಂದು ಕರ	ಯಲ್ಪಡುವ ಕವಿ	. Company of the Total	
	A) ಡಿವಿಜಿ	B) ಕುವೆಂಪು	C) ಜಿ.ಎಸ್. ಶಿವರುದ್ರಪ್ಪ	D) ಗೋವಿಂದ ಪೈ.
8.	ಕಬ್ಬಿಗರ ಕಾವ್ಯ ಕೃತಿಂ	ುನ್ನು ರಚಿಸಿದವರು		
	A) ವಂಪ	B) ಆಂಡಯ್ಯ	C) ಹಲ್ಮಿಡಿ ಶಾಸನ	D) ಕಾವ್ಯ.
9.	ಕುಣಬಿ ಜನಾಂಗದವರ	ರು ಮೂಲತ: ಯಾವ ರ	ಾಜ್ಯದ ಹಿನ್ನಲೆ ಹೊಂದಿದ್ದಾರೆ.	
	A) ಮಧ್ಯಪ್ರದೇಶ	B) ರಾಜಸ್ಥಾನ್	C) ಆಂಧ್ರಪ್ರ ದೇಶ	D) ಗೋವಾ.
10.	ಭಾರತದಲ್ಲಿ ಬಟ್ಟೆಗಳ	ತಯಾರಿಕೆಗೆ ಬೇರೆ ಬೇಕ	ರೆ ಬಣ್ಣಗಳನ್ನು ನೀಡುವ ಸುಮಾರ	ರು
	A) 300	B) 2500	C) 600	D) 200.
11.	ತೇಲಾಡುವ ಮೇಘಗ್	್ ಳ ಮದ್ಯೆ ಇರುವುದರಿಂದ	ಿ ಕಲೇ ಇದಕ್ಕೆ ಎಂಬ ಹೆಸ	ಸರು ಬಂದಿದೆ.
		B) ಕುಣಬಿ		D) ಮೆಗಾನೆ.
12.	ಹಾಸನದ ಬಯಲು ಸಿ	<u>ೇ</u> ಮೆಯಿಂದ ಅಕಸ್ಮಾತ್ತಾ	ಗಿ ಮೆಗಾನೆ ಸೇರಿರುವವರು	The print of
	A) ಸೀತಮ್ಮ	B) ಗೀತಮ್ಮ	C) ಲಕ್ಷ್ಮಮ	D)ಮಾರಮ್ಮ.
13.	ಸಂಗೀತಪುರವು ಈ ಹಿ	ಂದೆ ಯಾರ ಉರಾಗಿತ	նչ?	
	A) ಕ್ರಿಸ್ತರು	B) ಹಿಂದೂಗಳು	C) ಜೈನರು	D) ಕಾಡಿನ ಜನರ.
14.	ಮನುಕುಲದ ಚರಿತ್ರಂ	ಗುಲ್ಲಿ ಮಹಿಳೆಯರ ಕೈಕನ	ಯಬಾಗಿ ಆರಂಭವಾದ ಕಲೆಯೇ .	S Gas Hages . F
		B) ಗೃಹೋಪಯೋಗಿ		D) ಕಲೆ.

15.	ಸರ್ವರಿಗೂ ಸಮಪಾಲು	, ಸರ್ವರಿಗೂ ಸಮಬಾಳ	ು ಇದು ದ ವಾಣಿ.	
	A) ಕಲಿಯುಗ	B) ತ್ರೈತಾಯುಗ	C) ನವಯುಗ	D) ಶಿಲಾಯುಗ.
16.			ದಗಳ ರಸದೌತಣ ಇವು ಕುಣ	
	A) ಮಾತುಗಳು	B) ಹಾಡುಗಳು	C) ಆಭರಣಗಳು	D) ನೃತ್ಯಗಳು.
				a the chief
17.	ಬಟೆಯ ಮೇಲಿನ ಮುಂ	ವ್ರಣಕಲೆಗೆ ಮೂಲ ನೆಲೆಯ	ರಾದ ದೇಶ	
	W		C) ಭಾರತ	D) ಇಂಗ್ಲೆಂಡ್.
			is but the Art Children	
			amis Carrie	tigothis (A.
18.			ಗಬಲ್ಲದೆಂಬುದು ವಿಶ್ವೇಶ್ವರಯ	
	A) ಪ್ರೀತಿ	B) ವಿಶ್ವಾಸ	C) ಧರ್ಮ	D) ನಂಬಿಕೆ.
19.	"ದುಡಿದವನಿಗೆ ಪ್ರತಿಫ	ಲ ದೊರೆಯಲೇಬೇಕು" ಎ	ಂಬ ತತ್ವ	
	A) ಗಾಂಧೀಜಿಯವರದ	ಕು	B) ನೆಹರುರವರದು	
	C) ವಿಶ್ವೇಶ್ವರಯ್ಯನವ	ರದು 🦠	D) ಕುವೆಂಪುರವರದು.	
				* THE STATE OF
20.	ಕನ್ನಡ ಸಂಸ್ಕೃತಿ ಈ ರ	್ಷಿಗಾಗಿದೆ		
	A) ಬಹುರೂಪಿಯಾಗಿ		B) ವರ್ಣರಂಜಿತವಾಗಿಂ	nev de duce e 3
	C) ಜೀವಂತವಾಗಿದೆ		D) ಮೇಲಿನ ಎಲ್ಲವೂ.	
	0,000			
21		المراجعة الم	والمناطقة المناطقة ا	ಯ ನಂತ
21.			ಚಿತವಲ್ಲ ಅದು ಎಲ್ಲಾ	- ಯ ಮಾತ್ತ. D) ಸಂಪತ್ತು.
	A) ಆಕೃತಿ	B) స్వకర్భత	E) ವಿಕೃತಿ	ന) സമ്മച്ച്.
		The same of the sa		
22.	ಗೋಪಣ್ಣ ಮಾಸ್ತರರ ಸ	ಮಗನ ಹೆಸರೇನು	?	
	A) ಕರೀಂಖಾನ್	B) ಪ್ರಹ್ಲಾದ	C) ರಾಮು	D) ಶಿವಪ್ರಸಾದ.
		\$ dobb		
22	anith and	Commence of the state of the st		
23.	A SA		C) mm	D) 2709 3
	A) ರುಕ್ಮಿಣಿ	B) ರೇಖಾ	C) ರಾಧಾ	D) ಚಾಂದಿನಿ.
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24.	ಅಪಾರ್ಟಮೆಂಟಿನ ಜ	ನರು ಗೋಪಣ್ಣ ಮಾಸ್ತರರ	ನನ್ನು ಕರೆದಿದ್ದು ಹೀಗೆ	
	A) ತಾತ	B) ಮಾಸ್ತರ	C) ಓಲ್ದ್ ಮ್ಯಾನ್	D) ಮುದುಕ.
25	ಕನಕದಾಸರ ಅಂಕಿತ	ನಾನು		
20.	A) ಕನಕಪ್ಪ		B) ದಾಸ	
	C) ತಿಮ್ಮಪ್ಪನಾಯಕ		D) ಕಾಗಿನೆಲೆ ಆದಿಕೇಶವ	ರಾಯ.
	c) can and come		3	
26	からによった まっか	ಸಾವಾಣಿಕವಾಹಿ ಕೆಲಸರ	ದಲ್ಲಿರುವ ವ್ಯಕ್ತಿಗಳು ಉಳಿಸಿಕೊ	ಂದು ಬಂದಿರುವ
20.		, , ಲ್ಯಗಳ ತಿರುಳಾಗಿರುವ ಕ		
			C) ನಾಗರಹಾವು	D) ಯುಗಾದಿ.
	A) SOUGE			MARKET STATES
	Charles VA			
27.	ಕಳವೆ ಪದದ ಅರ್ಥ-			
	A) ಚೀಲ	B) ಭತ್ತ	C) ರಾಗಿ	D) ಜೋಳ.
28.	ಸಮುದಾಯಕ್ಕಾಗಿ ಪ		ರ್ಯದ ಸಂಕೇತಿಕವಾಗಿ ನಿಲ್ಲಿಸ	ುವ ಕಲ್ಲೇ.
	A) ಶಾಸನ	B) ಗಡಿಕಲ್ಲು	C) ಶಿಲಾಶಾಸನ	D) ವೀರಗಲ್ಲು.
		3		
29.	ಕುರುಡ ಕಣ್ಣು ಕಾಣಲ	ರಿಯದೆ ಬಯ್ದದು	D.	
	A) ಕಿವಿ	B) ಕಣ್ಣು	C) ಕನ್ನಡಿ	D) ದೇವರು.
30.	ಕೂಲಿ ಕಂಬಳಿಯವರ	ಪಾಲಿನ ಮೈದೊಗಲ ಧೂ	ಾಳಿಯ ಹಣೆಯೊಳಗಿತ	ತ್ತೊ.
	A) ಕುಂಕುಮ	B) ಭಂಡಾರ	C) ಅಂಗಾರ	D) ಶ್ರಮ.
31.	1800 ರಲಿ ಬಳ್ಳಾರಿ ಬ	ಪಿಲ್ಲೆಯ ಕಲೆಕ್ಟರ್ ಆಗಿದ್ದವರ	ರು	
	The second second		C) ಸರ್ ಥಾಮಸ್ ಮನ್ರೊ	D) ಅಧಿಕಾರಿ.
			onaging -	Constitution (a)
32.	ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಅ	ರಿಪಿಗಳ ರಾಣಿ ಎಂದು ಕರೆ	ದವರು	
		B) ತ್ರಿವೇಣಿ		D) ವಿನೋಭಾ ಭಾವೆ.

33.	ಕನ್ನಡ ನಾಡಿನ ಬ	ಜನತೆಯನ್ನು ವರ್ಣಿಸಿರುವ	ರ ಗೃಂಥ	
	A) 178		उ ८) ध्यं	D) ಕವಿರಾಜಮಾರ್ಗ.
34.	ವಿದ್ಯಾವರ್ಧಕ ಸಂ	ಂಘವು ಎಲ್ಲಿ ಸ್ಥಾಪನೆಯಾ	ಯಿತು?	
	A) ಧಾರವಾಡ		C) ක්වස්ර	D) ದಾವಣಗೆರೆ.
35.	ಜನಪದ ಸಾಹಿತ್ಯ	ದ ಪ್ರಕಾರಗಳು	Chy.	
	A) ಕವನ	Ö	B) ಕಾದಂಬರಿ	
	C) ಹಾಡು, ಒಗಟ	ತು, ಒಡಪು, ಭಾವಗೀತ	D) ಚಿತ್ರಗೇತೆ.	
36.	ನಗುವು ಸಹಜದ ಚ	ಧರ್ಮ, ನಗೆಸುವುದು	EV	
		B) ಅಧರ್ಮ	C) ಹುಚ್ಚು	D) ಪರಧರ್ಮ.
37.	ವಸುಧೆಯೊಳ್ ಶಿಶ	ುನಾಳಧೀಶನ ಮುಂದೆ <u>ಸ</u>	್ಯಾನದ ಮಗಿಯೊಂದು ಇಡುವ	3
1	A) ಅಗಸಗಿತ್ತಿ	B) ಕುಂಬಾರಕಿ		D) ಮುದುಕಿ.
38. a	කීම <u>ේ</u> ಕಣಕಣದಿ ම	ಮಣ್ಣನುಗೆದ್ದಲಿರುವೆಗಳು	ಕಟ್ಟಿದಗೂಡಿಗೆ ಸೇರುವುದು	Control of the second
	r) ya	B) ಗೀಜಗ	C) ಗುಬ್ಬಿ	D) ಸರ್ಪ.
19. ਵੀ ਨ	ೂಟ್ಟು ಕುದಿಯಲು ದರೀಗಿ.	ೇಡ, ಇಟ್ಟು ಹಂಗಿಸಬೇಡ	ತ, ಎಷ್ಟುಂಡರೆಂದು ಅನಬೇಡ,	ಈ ಮೂರು ಮುಟ್ಟಾವು
A) ಬ್ರಹ್ಮನ	B) ವಿಷ್ಣುವಿನ	C) ಮಹೇಶ್ವರನ	D) ಶಿವನ
0 -	ر د د د د د د د د د د د د د د د د د د د	A Passing	CAST CELES	
			ನೆಯ ರಚನೆಕಾರರು	
A)	ಶರಣರು	B) ವಚನಕಾರರು	C) ಕನಕದಾಸರು	D) ಪುರಂದರದಾಸರು.
. க்	ಲ್ಲಾಗು ಬೆಟ್ಟದಡಿ ಪ	ಯನೆಗೆ ಆಗು.		
A)	ಮಲ್ಲಿಗೆ	B) ಅಬಲಿಗೆ	(C) සාස්	D) ಸಂಪಿಗೆ.
సింగ	ಹಾಸನಕೆ ಕೊನೆಗ	ಾಲ ಬಂದಿರುವುದು	-14-1-Bero V	
A)	ಇಂದ್ರ E	3) ಕೌರವರು	C) ರಾಮ Ver-B 5 of 6	D) ಮಂತ್ರಿ.

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43.	ಕನ್ನಡಕ್ಕೆ ಪ್ರಥಮ ಜ್ಞ	್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ತಂದು ಕೊಟ್ಟ	ವರು	
	A) ಮಾಸ್ತಿ ವೆಂಕಟ	ತೇಶ ಅಯ್ಯಂಗಾರ	B) ಶಿವರಾಮ ಕಾರಂತ	
	C) ಕುವೆಂಪು		D) ಜಿ. ಎಸ್. ಶಿವರುದ್ರಪ್	,
44.	ದರ್ಮ ಸಹಿಷಣೆ ಬ	ಗ್ಗೆ ಹೇಳುವ ಶಾಸನ ಇದಾಗಿದೆ -	A	
	A) ಶ್ರವಣಬೆಳಗೊಳ್ಳ		B) ಹಲ್ಮಿಡಿಶಾಸನ	
	C) ಚಂದ್ರವಳ್ಳಿ ಶಾಸ		D) ಬೇಲೂರು ಶಾಸನ.	
	, g. v			
45.	ವವಿಲಿದೆ	ಬರೆದವರು ಯಾರು?		
		B) ಕಿವಿ	C) ರಕ್ಕ	D) ಚಿತ್ರ.
	٨) ٥٤٠٥	B) 500	C) 00g	5, 23.
	NI P			
46.	ಸಹಜಧಾ			
	A) ಕೇಳುವುದು	B) ಹೇಳುವುದು	C) ಅಳುವುದು	D) ನಗುವುದು
47.	ಯಾವ ಆವಿಗೆಯನ್ನು	್ಕ ಕುಂಬಾರಕಿ ಮುಚ್ಚುವಳು	?	
	A) ಗಡಗಿ	B) ಆಚಾರ	C) ൻಣ	D) ಭಕ್ತಿ.
		A Company		
48.	ಕರ್ನಾಟಕ ಸಂಗೀತ	ದ ಪಿತಾಮಹ ಯಾರು	?	
	A) ಆಲೂರು ವೆಂಕ	ಟರಾಯರು	B) ಕನಕದಾಸರು	
	C) ಪುರಂದರದಾಸರ	ರು ಕ	D) ಹರಿದಾಸರು.	
49.	ಯಾರ ಎಲುಬನ್ನು ಕ	ಾಂಚಾಣ ಕಿರುಗೆಜ್ಜೆಯಾಗಿ ಮಾ	යි ර ේගයි ?	
	A) ಮಕ್ಕಳು	B) ಮುದುಕರು	C) ಹೆಂಗಸರು	D) ಬಾಣಂತಿ.
50	madaaba (1)	(1)		
50.	ಹೊಸ ಚೆಗುರು	ಕೂಡಿರಲು ಮರಸೊಬಗ).	
	A) ಎಲೆ	B) ಹಸಿರು	C) ಕಾಂಡ	D) ಹಳೇಬೇರು.
		No. of the last of	Princes (H	
	he ou 10	***	* *	

Ver-B 6 of 6

	CBCS SCh			BKBKK107
USN			uestion Pa	per Version : A
	First Semester B.E./B.Tech. Deg	ree Exam	ination, J	an./Feb. 2023
	Balake I			
Time	: 1 hr.]			[Max. Marks: 50
	INSTRUCTIONS	TO THE C	ANDIDA	TES
1.	Answer all the fifty questions, each que	estion carries	one mark.	
2.	Use only Black ball point pen for writ	ting / darken	ing the circ	les.
3.	For each question, after selecting yo			
	corresponding to the same question i			
4.	Darkening two circles for the same que	One Total		
5.	Damaging/overwriting, using white			
	prohibited.			1 219210-111-2120-
1.	Which of the following are the hints for co a) pronounce the words properly c) use simple sentences for conversation		al forms to a	tion? address others
	Fill in the blank by translating the given	English wor	d to Kanna	ida.
2.	We:		1	
	a) NaaVu	b) Namage		
	c) Namma	d) Nimage		
3.	She:			
3.	a) Neenu	b) Avanu		
	c) Naanu	d) Avalu		
1	This	2		
4.	This:a) Adu	b) Alli		
	c) Idu	d) Both a	and b	
5.	Yaaru:			
F1/188	a) where	b) who		
	c) what	d) when		
	Complete the following:			
	5 - V (d			
6.	Naanu: Nanna; Neenu:			

a) Avala c) Avana

b) Ninna d) Avara

7.	Amma: Mother; Tangi:	
	a) Sister	b) Brother
	c) Father	d) Friend
8.	What: Enu; Where:	
	a) Elli	b) Hege
	c) Eeke	d) Yaaru
9.	The meaning of Vidyarthi in English	
	a) School	b) College
	c) Teacher	d) Student
	The state of the s	The state of the s
10.	Choose the correct Kannada Translation of	f。由26%,2600年,从1000年,自1000年,2000年,
	"Nimma Hesaru eenu?"	All and a second
	a) What is your age?	b) What is your name?
	c) What are you doing?	d) What is the college name?
	translational and Salvana - and an arm	
11.	"Prarthana's book is Blue". Pusthakada Ba	
	a) Kappu	b) Bili
	c) Neeli	d) Hasiru
	A Commence of the Commence of	
	Note: Match the correct answer using the	he table given below for Q.12 to Q.17
	English word	Kannada word
	i - Red	a - Dappa
	ii - Long	b - chikka
	iii - Green	c - gidda
	iv - Thick	d - Kempu
	v - Short	e - udda
	vi - Small	f - Hasiru
12.	Meaning of Red	
12.	a) i - f	b) i - a
		d) i - b
	c) i - d	u)1-0
13.	Meaning of Long	
13.	a) ii – c	b) ii = b
	c) ii – d	(d) ii – e
	C)11-4	u)11 - C
14.	Meaning of green	2
	a) iii – f	b) iii – e
	c) iii – d	d) iii – a
	· · · · · · · · · · · · · · · · · · ·	u, u
15.	Meaning of Thick	
	a) iv - e	b) iv – b
	c) iv - d	d) iv – a
	The same of the sa	7,
16.	Meaning of Short	
	a) v - c	b) v - e
	c) v - d	d)v-f
	The second of th	The state of the s
17.	Meaning of Small	and the Art
	a) vi – a	b) vi – e
	c) vi – b	d) vi – d
	Version A - 2	The state of the s

18.	Avanu Huduga. a) JaaNa	NVIII. AB
	c) Kelasa	b) Vidhyarthi d) All of these
19.	Bengaluru Nagara.	
	a) Dodda	b) Bili
	c) Jaasti	d) Halli
20.	In Kannada what to say for "Little"	
	a) Ishta	b) Jaasti
	c) Swalpa	d) None of these
	Note: Complete the analogy (from Q.2	1 to Q.23)
21.	Raaja : Rajanadu :: Akka :	
	a) Akkanadu	b) Akkadu
	c) Akkaninda	d) None of these
22.	Mane : Maneyali :: uuru :	
	a) uurinind	b) uurige
	c) uuralli	d) uurannu
23.	Seven: Elu: Ten:	
	a) Muuru	b) Aaru
	c) Hattu	d) Ondu
	Note: Translate into English for the give	ven Kannada sentences:
24.	Neevu Yaaru?	A 2 000
	a) Who are you?	b) What is your name?
	c) Had your dinner?	d) Where are you?
25.	oota aita?	weellings Bud sanctings
	a) Had your food?	b) Had your exams?
	c) Where is oota?	d) How was the food?
26.	Nanna Hesaru Amar.	
	a) My friend is Amar.	b) My name is Amar.
	c) Amar is my brother.	d) Amar is my friend.
27.	Kannada gotta?	
	a) I love Kannada	b) Kannada is a language
	c) I know Kannada	d) Do you know Kannada
28.	Ivaru Nanna Amma.	b) She is my friend
	a) She is my mother	d) None of these
		d) I tolle of the
	c) She is my sister	
	Note: Fill in the blank choosing the rig	ht word (Q.29 to Q.33)
29.	Note: Fill in the blank choosing the rig	
29.	Note: Fill in the blank choosing the rig	ht word (Q.29 to Q.33) b) Class room d) Lab

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SE NEED STANDS OF STANDS OF SERVICE OF SERVI

30.	"Arogya" means	
	a) Shelter	b) House
	c) Wealth	d) Health
31.	"Shubhodaya" means	The state of the s
	a) Good morning	b) Good night
	c) Have a nice day	d) Good evening
32.	"Good night" means	
34.	a) Shubha Raatri	b) Danyavadagalu
	c) Kshamisi	d) None of these
	C) Assumed	And I want to the same of the
33.	"Ishta Illa" means	Describeration of costs and
	a) I will not do	b) I don't like
	c) Both a and b are correct	d) I will do
	NO SHARE	
	Note - Change the appropriate anguer	(O No 34 to O No 36)
	Note: Choose the appropriate answer	(Q.140. 34 to Q.140. 30)
34.	Hogu: Hogona :: Ba:	
34.	a) Baralla	b) Barona
	c) Hodanu	d) Bandanu
	c) Hodana	u) Bundunu
35.	Kalegu + inda : Kalegininda :: Mane +	- inda :
	a) Maneyalli	b) Manege
	c) Maneyinda	d) Maneyannu
	The second secon	and the second second
36.	Kudi: Kudiyiri :: Haaki:	4.8.
	a) Haakona	b) Beku
	c) Hakuvudilla	d) Haakiri
37.	"Naanu collegige hogutiddene". Change	this to simple past
31.	a) Naanu collegige Barolla	b) Naanu collegige hogalla
	c) Namma collegige Raje Ide	d) Naanu collegige Hogidde
	The second secon	
38.	Had your breakfast? Choose the correct	answer in Kannada.
	a) Aitu	b) Beda
	'c) Both a and b	d) None of these
	Samuel and the same of the sam	and the same of th
	Write the English word for the given	Kannada word
20	Tele	
39.	Tale Nack	b) Head
	a) Neck c) Leg	d) Hand
	C) Leg	d) Hand
40.	Kaalu	
	a) neck	b) Hand
	c) Leg	d) Head
	(Fig. 18 State) have said	i odrzenio orazia altrenita e
41.	Tarakaari	
	a) Vegetable	b) Fruit
	c) Banana	d) Milk

Version A - 4 of 5

42	a) Festival c) Heritage	b) Marriago d) Ritual
43.	a) Father c) Son	b) Mother d) Daughter
44.	Manea) Temple c) Hospital	b) House d) Church
	Note: Write Kannada word fo	or the given English wor
45.	Holiday a) Health c) Celeberations	b) Festival d) Raje
46.	a) Kadime c) Vignana	b) Nrutya d) Haadu
	Note: Choose the correct word	d to complete the sentene
\$7.	a) Doddadu c) Chikkadu	b) Sari Ide d) Tande
	Nanna Bengaluru. a) ooru c) ishta	b) Kaalu d) Nagu
	Nanage Kannada a) Red c) Blue	b) Gottu d) Green
1	Neenu Baa a) Anna c) Bega	b) Akka d) Tande

CBCS SCHEME

					BKBKK107
USN			Que	stion Pape	r Version: B
	First Semester B.I	E./B.Tech. Dec	ree Examina	tion, Jan	./Feb. 2023
			Kannada		
Time	: 1 hr.]				[Max. Marks: 50
	INS	STRUCTIONS	TO THE CAN	DIDATE	S
1.	Answer all the fifty q	uestions, each qu	nestion carries on	e mark.	
2.	Use only Black ball	oint pen for wri	ting / darkening	the circles.	
3.	For each question,	fter selecting yo	our answer, dar	ken the ap	propriate circle
	corresponding to the				
4.	Darkening two circles				
5.	Damaging/overwriti				
	prohibited.				
	Note: Choose the corr	rect word to comp	olete the sentence.	•	Charles (2
1.	Ivaru Nannaa) Doddadu		b) Sari Ide		
	c) Chikkadu		A) Tande		
2.	Nanna Bengal	uru.		N manths	
/	a) ooru c) ishta	and the second second	b) Kaalu d) Nagu		
	Nanage Kannada		And The second		
3.	a) Red - Kampu		b) Gottu - kno		
	c) Blue - neeli	S CHARLET THE	d) Green - ha	in.	
4.	Neenu Baa		1) Aldra elde	_	
	a) Anna - erder brothe e) Bega - quick	No.	b) Akka - Six d) Tande - F		
	Note: Write Kannada	word for the give	en English word.		
5.	Holidaya) Health - Aarogya		0)10011111	Habba	
	c) Celeberations - Aac	haraNe -	d) Raje		

b) Nrutya - Dance d) Haadu

Song_____a) Kadime - Le c) Vignana - Science

Lees

6.

Write the English word for the given Kannada word

7.	Tale	
	Al Neck- V. Higo	b) Head
	28) Neck- Kullige c) Leg - kaalu	dy Hand
	C) Elg - Kaalu	d) Hand - Kayyi
0		SHOWER STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,
8.	Kaalu	
	a) neck	b) Hand
	_e) teg	d) Head
		d) I read
9.	Tarakaari	
9.	The second secon	
-	a) Vegetable	b) Fruit - ha NNL
	c) Banana - baalehannu	d) Milk - haalu
		a) male
10.	Habba	
10.		
-	a) Festival	b) Marriage - madure
	c) Heritage	d) Ritual
	Anne to New York to all	The state of the Annual and the state of the Sandard State of the Sandar
11.	Maga	
	a) Father - Tande	1916
		b) Mother - lagi
1	c) Son	b) Mother — Taayi d) Daughter — magalu
	and the state of t	"agalu
12.	Mane	
	a) Temple - Devartagna	DOING DOING
		b) House
	c) Hospital - aapalu	d) Church
13.	"Naanu collegige hogutiddene".	Change this to simple past
	a) Naanu collegige Barolla	
		b) Naanu collegige hogalla
	c) Namma collegige Raje Ide	d) Naanu collegige Hogidde
14.	Had your breakfast? Choose the	correct answer in Kannada.
1	a) Aitu	b) Beda
1	c) Both a and b	d) No Cit and to
	c) Both a allu o	A) None of these oola aga
	Note: Choose the appropriate	answer (Q.No. 15 to Q.No. 17)
15.	Hogu: Hogona :: Ba:	AZ
		THE PERSON NAMED IN COLUMN TO SERVICE STATE OF THE PERSON NAMED IN COLUM
	a) Baralla	b) Barona
	c) Hodanu	d) Bandanu
		AND AND THE STREET, ST
16.	Kalegu + inda : Kalegininda ::	Mane + inda ·
P. S. P. S.	a) Maneyalli	
		b) Manege _ To home
-	e) Maneyinda	d) Maneyannu
17.	Kudi : Kudiyiri :: Haaki :	
	a) Haakona	
		b) Beku - Want
	c) Hakuvudilla	d) Haakiri
	Note: Fill in the blank choosing	g the right word (O 18 to O 22)
		g. 1. (Q.10 to Q.22)
8.	Granthalaya means	
	a) Library	DOI: 1 -
/		b) Class room -koTTaDi
	c) Temple _ devantagea	d) Lab _ l ua b
	Ve	ersion B-2 of 5 Lyabu

19.	"Arogya" means	
	a) Shelter	The state of the s
		b) House
	c) Wealth	d) Health
-		The second second
20.		4
	a) Good morning	b) Good night - Shubballade
	c) Have a nice day	d) Good evening
		a) MAN CYCIMIG
21.	"Good night" means	
	a) Shubha Raatri	b) Danyavadagalu - Toule
	c) Kshamisi	
	C) Kshamisi	d) None of these
22.	"Ishta Illa" means	
	a) I will not do	b) I don't like
	c) Both a and b are correct	d) I will do
	Note: Complete the analogy (from Q.23	to Q.25)
23.	Raaja: Rajanadu:: Akka:	
	a) Akkanadu	b) Akkadu
	c) Akkaninda	d) None of these
		a) Itolic of these
24.	Mane: Maneyali :: uuru:	
	a) uurinind	b) uurige
	e) uuralli	
-	e) uuram	d) uurannu
25.	Seven: Elu:: Ten:	
23.		EVEL CIV
	a) Muuru - There	b) Aaru – Six
-	e) Hattu	d) Ondu - Ona
	NA THEORET PARTS	The second of the second
	Note: Translate into English for the give	en Kannada sentences:
		All Property and the second se
26.		
	a) Who are you?	b) What is your name?
	c) Had your dinner?	d) Where are you?
		, (C)
27.	oota aita?	
	a) Had your food?	b) Had your exams?
-	c) Where is oota?	d) How was the food?
	e) (note is do)	a) Ito ii was the lood!
28.	Nanna Hesaru Amar.	
20.	a) My friend is Amar.	b) My name is Amar.
	c) Amar is my brother.	d) Amar is my friend.
	c) Amar is my bromer.	d) Amar is my mend.
20	Variable sette?	
29.	Kannada gotta?	h) Kannada is a l
	a) I love Kannada	b) Kannada is a language
2	c) I know Kannada	d) Do you know Kannada
	A STATE OF THE STA	
30.	Ivaru Nanna Amma.	
	a) She is my mother	b) She is my friend
	c) She is my sister	d) None of these
	The second secon	

for Q.34 to Q.39

31. Avanu Hudu	1/70		
		LN Williamonthi	
a) JaaNa - Cleve		b) Vidhyarthi	
c) Kelasa		d) All of these	
22 Banashan	Manage		
32. Bengaluru	Nagara.	when which	9.
a) Dodda - big		b) Bill - Whit	-
c) Jaasti -mde		d) Halli - Villa	ego.
33. In Kannada what to	C 11 ! ! . ! !		
	say for Little	A IN I A	100
a) Ishta – like		b) Jaasti - Mo	
c) Swalpa -		d) None of these	3
Note: Match the c	orrect answer us	ing the table given bel	ои
	English word	Kannada word	
	i - Red	-	
	ii - Long	b - chikka	
	iii - Green	c - gidda	
	iv - Thick.	d - Kempi	1
	v - Short	c - udda	
	vi - Small	f - Hasiru	
34. Meaning of Red			
a) i - f		b) i - a	
e)i-d		d) i - b	
		u)1-0	
35. Meaning of Long			
a) ii - c		h)::	
c) ii – d		b) ii – b	
c) II = d		d) ii – e	
36. Meaning of green			
a) iii – f		b) iii – e	
c) iii – d		d) iii – a	
37. Meaning of Thick _			
a) iv – e	The second secon	b) iv – b	
c) iv – d	THE PROPERTY OF	d)iv-a	
38. Meaning of Short _			
a) v - c	Para Maria	b) v - e	
c) v - d	M. John Commission	d) v - f	
39. Meaning of Small _		V TRACK	
a) vi – a	amount of the National States	b) vi – e	
civi-b		d) vi – d	
Complete the follow	ving:		
A PROBLEM IN SINE	and the American		
0. Naanu : Nanna ; Nee	nue of the		
a) Avala		b) Ninna	
c) Avana			
c) Avana		d) Avara	
Amma Mathan To	10AG		
1. Amma : Mother ; Ta	ingi:	TARE THE PARTY OF	
a) Sister		b) Brother	
(c) Father		d) Friend	
15 0	V	ersion B - 4 of 5	
18 18			

42.	What: Enu; Where: a) Elli c) Eeke	b) Hege d) Yaaru
43.	The meaning of Vidyarthi in English a) School - Shaale c) Teacher - adhyapaka/adhyapaki	b) College - kaalegu d) Student
44.	Choose the correct Kannada Translation of "Nimma Hesaru eenu?" a) What is your age? c) What are you doing?	b) What is your name? d) What is the college name?
45.	"Prarthana's book is Blue". Pusthakada Ban a) Kappu Black c) Neeli	na Yaavudu? b) Bili — while d) Hasiru — gleen
	Fill in the blank by translating the given l	English word to Kannada.
46.	We: a) NaaVu c) Namma_Out	b) Namage — W d) Nimage
47.	She:a) Neenu c) Naanu	b) Avanu d) Avalu
48.	a) Adu - Dlay	b) Alli - there d) Both a and b
49.	Yaaru: a) where -ellî c) what -enu	b) who d) when - Yavaga
50.	Which of the following are the hints for corra) pronounce the words properly c) use simple sentences for conversation	b) use plural forms to address others



10.

Question Paper Version: D

First/Second Semester B.E./B. Tech. Degree Examination, June/July 2023

Communicative English

(Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

- Answer all the fifty questions, each question carries one mark
- w corresponding to the same question number on the OMR sheet. For each question, after selecting your answer, darken the appropriate circle Use only Black ball point pen for writing / darkening the circles.
- Darkening two circles for the same question makes the answer invalid
- Damaging overwriting, using whiteners on the OMR sheets are strictly

coceive you. (Fill with correct conjunct conformation) and condensation of Billingual conformations of lingual	b) Business to C	d) Brand to Consumer	fCTO? Officer	d) Brand to Consumer of CTO? officer b) Chief Telecom Officer d) Chief Technology O form of 'would not' is? b) wouldnot c) wouldn't	Consumer ecom Offic chnology O	d) Brand to Consumer officer O	d) Brand to Consumer f CTO? Officer O
d) none of these d) ingual	umer	rfficer y Operator		d) wouldnt'	d) wouldnt' d) pit-bit	d) wouldnt' d) pit-bit d) pull-pool	d) wouldnt' d) pit-bit d) pull-pool d) Isn't she?

a) Have you? b) Will/would you? c) Won't you?

22. Mr. Chatterjee is

y b) An

c) The

d) None

23. My brother studies in

university. Which article will be suitable to fill this blank?

c) The

d) None of the above

1. 12. 14. 15. 19. What is the type of communication which takes place within an individual? 16. Punctitious. (Tick the word having closest meaning.)
a) meticulous
b) casual
c) Final
spoken in transito-When colleagues share the official communication it is ... Manager providing tips to the team is ... When the communication is in between managers and workers it is Which element is the medium through which a message is sent? c) spoken and permanent In communication, the observation of a receiver response is called The management circulates a memorandum regarding new bonus and incentive schemes A rumour in the city is a form of Written diary every day is an example of which communication? a) vertically downward a) informal Opulence. (Tick the word having closest meaning.) a) Grapevine among all the employees, it is a case of a) message c) radial a) interpersonal a) radial b) upward MLA. Which article will be suitable to fill this blank? b) vertical b) sender b) intrapersonal b) intrapersonal b) feedback b) downward b) penury communication c) channel d) non verbal c) organizational c) organizational c) radial c) downward c) survey c) horizontal d) vertical c) affluence b) formal communication d) noise d) crosswise d) crosswise d) extra personal d) channel d) extrapersonal d) indigence d) horizontal

d) It will rain.

b) It will have been raining.

MA

25.

c) It should rain a) It would rain.

It has been raining. Choose the Future indefinite form of the sentence.

c) He was not washing the clothes. a) He is not washing the clothes.

24. He did not wash the clothes. Tick the present progressive form if the sentence

b) He will not be washing the clothes.
d) He has not washed the clothes.

BENGK106/206

a) spent b) spend c) spending objectively and b) spend b) spend c) spending 26. 34. 33. 32. 31. 35. 30. 29. 38. 37. 36. The train reached at the railway station. Choose the past perfect form of the sentence a) The train had reached at the station. The gardener had been watering the plants for two hours. Which is the tense of the b) The train is reaching at the railway station. Person who does not believe in the existence of God: Find collective noun in the sentence: 'He was part of the film crew'.

a) He

b) Film

c) Crew "If" The sound is present in d) The train reaches at the railway station c) The train will reach at the railway station Tendency to favour one's relatives

a) Favourisms

b) Name: Find abstract noun in : 'The thearre was engulfed in darkness In which of the following words letter P is not is silent In which of the following words any silent letter is present. The Sun rises in the East. Choose the Future Perfect Continuous form of the sentence. Someone's life history written by another writer "J" sound is there in c) Past Perfect Continuous a) Present Indefinite One who totally abstains from drinking a) cupboard a) feet d) The Sun will be rising in the East. a) The Sun will have been rising in the East. a) autobiography b) bibliography c) The Sun will rise in the East. b) The Sun will have risen in the East. b) Fanatic b) Darkness b) pneumonia b) same b) treat b) shin b) Past Perfect c) coup c) Atheist c) chin d) Present Perfect Continuous c) Post c) biography c) soup c) Both A & B 6:4 d) None of these d) story d) None of these d) pull d) sheet d) Spinster d) Theist d) None of these d) Myself d) Stub Ascription of the word "Teachier b)/thick of the word "Teachier b)/thick of c)/thinks

Meet phonetic transcription of the word "Church:

b) flive to of

c) flight of

d) flip to to

41. How many IPAs are there? 46. Tick the correct phonetic transcription of the word 'Judge' 45. Tick the correct phonetic transcription of the word 'Sheep'. 42. Do not boast 47. Tick the correct phonetic transcription of the word 'These' 44. I prefer tea 43. The ship was bound a) 46 a) /diz/ a) /d3Ad3/ a) /[hip/ cold drinks. b) from b) for India. b) /d3juj/ b) /ðiz/ b)/chip/ your wealth. BENGK106/206
c) 21
d) ---

c) /h:p/

d) /hiip/

c) than

d) for

c) of

d) with

c) /theez/

d)/diz

c) /zmj

d) ¿zud3/