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BGSKH Education Trust(R.) : A unit of Srt Adathanchanagist Shikahana Trust(R.)

### **BGS College Of Engineering and Technology**





VTU - Model & May 2023 - Exam Question Papers

Physics Cycle







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### BGS College of Engineering and Technology (BGSCET)

Alahalakshmipuram, West of Chard Road, Bengaluru-560086 (Approved by AICTE, New Delhi and Affiliated to VTU, Balagawi)

### 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	First Ser	nester B.E	Degree l	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	35	E	C
0.1	а	With usual notation prove that $\tan\phi=rrac{d\theta}{dr}$ .	6	1.2	CO
	'b	Find the anglebetweenthe curves $r = a \log \theta$ , $r = \frac{\theta}{\log \theta}$	7:	1.2	CO1
	0	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	13	con
		OR			
Q.2	n	Show that the curves $r = a(1 + \sin \theta)$ and $r = a(1 + \sin \theta)$ cut each other orthogonally.	7	1.2	co
	b	Find the pedal equation of the curve $\frac{2a}{r} = (1 + \cos\theta)$	8	1.2	co
	0	Using modern mathematical tool write a program/code to plot the curve $r = 2 \cos 2\theta $ .	-	10	(0
	3	Modale - 2			
Q.3	1	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	12	coi
	c	Find the extreme values of the function $f(x, y) = x^3 + 3xy^2 - 3y^2 - 3x^2 + 4$	7	1.3	COL
		OR			
Q.4	11	Evaluate (i) $\lim_{x\to 0} \left(\frac{a^x+b^x}{2}\right)^{\frac{1}{x}}$ , (ii) $\lim_{x\to 0} \left(\frac{\tan x}{x}\right)^{1/x}$ .	10	LIS	COL

	b	If $x + y + z = u$ , $y + z = uv$ , $z = uvw$ find $\frac{\partial(x, y, z)}{\partial(u, v, w)}$ .		1.2	COI
	E	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	13	C05
	3	Module 3			
0.5	2)	Solve: $\frac{dy}{dx} + \frac{y}{x} = x^2 y^6.$	5	1.3	C02
	tic	Find the orthogonal trajectories of $\frac{x^2}{a^2} + \frac{y^2}{b^2 + \lambda} = 1$ , where $\lambda$ is a parameter.	7	13	C02
	0	Solve $xyp^2 - (x^2 + y^2)y + xy = 0$ .	7	.0.3	C02
		OR			
Q.6	21	(22 , 22 , a) do , as do , 0	4	1.2	C'02
	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	1.3	C02
	0	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	1.3	C02
	-	Module 4			
Q.7	8	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	003
	b	Find the remainder when $(349 \times 74 \times 36)$ is divided by 3.	7	12	cos
	c	Solve: $2x + 6y \equiv 1 \pmod{7}$ and $4x + 2y \equiv 2 \pmod{7}$ .	7	13	CO
		OR	-	4	
Q.8	78	(i) Find the last digit of $7^{2013}$ (ii) Find the last digit of $13^{37}$ .	6	1.2	CO
	15	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.	12	12	COS

		Module - 5		_	
Q.9	11	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	C04
	b	Solve the system of equations by Gauss-Jordan method $x+y+z=10$ , $2x-y+3z=19$ , $x+2y+3z=22$ .	7	13	C04
	0	Forwhatvalues $\lambda$ and $\mu$ the system of equations $2x+3y+5z=9$ , $7x+3y-2z=8$ , $2x+3y+\lambda z=\mu$ , has (i) no solution (ii) aunique solution and (iii) infinite number of solutions.	7	1,2	C04
		OR			
Q.10	13	Solve the following system of equations by Gauss – Seidel method $10x + y + z = 12$ , $x + 10y + z = 12$ , $x + y + 10z = 12$	2	1.3	C04
	ь	Solve the following system of equations by Gauss-Elimination method $x+y+z=9$ , $x-2y+3z=8$ , $2x+y-z=3$ .	7	1.3	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	1.3	C05

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

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### 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° ms<sup>-1</sup>, Boltzmann Constant 'k' = 1.38 ×10<sup>-23</sup> JK<sup>-1</sup>, Planck's Constant 'h' = 6.625 × 10<sup>-24</sup> Js, Acceleration due to gravity 'g'= 9.8 ms<sup>-2</sup>, Permittivity of free space 'ε<sub>0</sub>'=8.854 ×10<sup>-12</sup> F m<sup>-1</sup>.

		Module -1	*Bloom's Taxonomy Level	Marks
2.01	a	Define LASER and Discuss the interaction of radiation with matter.	L2	7
2.01	ь	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° W. Calculate the number of photons emitted per second given the wavelength of LASER 692.8 nanometer.	1.3	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.	1.2	9
	ь	Discuss the types of optical fibers based on Modes of Propagation and	1.2	6
	C	Obtain the attenuation co-efficient of the given fiber of length 1500 m given the input and output power 100 mW and 70 mW.	1.3	5
	_	Module-2		
Q.03	a	Setup SchrÖdinger time independent wave equation in one dimension.	L2	8
Q.03	b	State and Explain Heisenberg's Uncertainty principle and Principle of Complementarity.	L2	7
	c	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
	Ъ	Explain the physical significance of the Wave Function.	L2	5
	C	to be to the second to with in an uncertainty of 2 × 10	L3	5
	-	Module-3		-
Q.05	a	Define a bit and qbit and explain the properties of qubit.	L2	6
42,00	-	Discuss the CNOT gate and its operation on four different input states.	L2	6
	b	A Linear Operator 'X' operates such that $X \mid 0$ = $\mid 1$ and $X \mid 1$ = $\mid 0$ \. 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	L.2	8
	b	Elucidate the differences between classical and quantum computing.	L2	6

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22P		12.1	- Bind	C Since	6

		decident to the territory	NAME OF TAXABLE PARTY.
·c	Describe the working of controlled-Z gate mentioning its matrix representation and truth-table.	L3	6
	Module-4		
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
c	Calculate the probability of occupation of an energy level 0.2 eV above	L3	5
	OR		
a	Describe Meissner's Effect and hence classify superconductors into Soft and Hard superconductors using M-H graphs.	1.2	9
b	Enumerate the assumptions of Quantum free Electron Theory of Metals	1.2	6
c	Lead has superconducting transition temperature of 7.26 K. If the initial	L3	5
10	Module-5		
l a	Discuss timing in Linear motion, Uniform motion, slow in and slow out.	1.2	8
THOMAS .	Distinguish between descriptive and inferential statistics.	1.2	- 6
-	Illustrate the odd rule and odd rule multipliers with a suitable example.	L3	6
	OR		
a	Describe Jumping and parts of jump.	1.2	8
b	Discuss the salient features of Normal distribution using bell curves.	1.2	7
c	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
	a b c c a b c	Provided a Define Fermi Factor and Discuss the variation of Fermi factor with temperature and energy.	C Describe the working of controlled-Z gate mentioning its matrix representation and truth-table.  Module-4  a Define Fermi Factor and Discuss the variation of Fermi factor with temperature and energy.  b Explain DC and AC Josephson effects and mention the applications of superconductivity in quantum computing.  c Calculate the probability of occupation of an energy level 0.2 eV above fermi level at temperature 27°C.  OR  a Describe Meissner's Effect and hence classify superconductors into Soft and Hard superconductors using M-H graphs.  b Enumerate the assumptions of Quantum free Electron Theory of Metals L.2  c Lead has superconducting transition temperature of 7.26 K. If the initial field at 0K is 50 × 10³ Am³ Calculate the critical field at 6k.  Module-5  a Discuss timing in Linear motion, Uniform motion, slow in and slow out. L.2  b Distinguish between descriptive and inferential statistics. L.2  c Illustrate the odd rule and odd rule multipliers with a suitable example. L.3  OR  a Describe Jumping and parts of jump.  b Discuss the salient features of Normal distribution using bell curves.  c The number of particles emitted per second by a random radioactive source has a Poisson's distribution with λ = 4. Calculate the probability L.3

<sup>\*</sup>Bloom's Taxonomy Level: Indicate as L.1, L2, L3, L4, etc. It is also desirable to Indicate the COs and POs to be attained by every bit of questions.

Di	noction		tcome	Disamon Dutarma
Question		Bloom's Taxonomy Level attached	Course Outcome	Program Outcome
Q.1	(a)	L2	1	1,2,12
	(b)	L2	1	1
	(c)	1.3	1	1,2
Q.2	(a)	1.2	1	1
Q.3	(b)	1.2	-1	1,2
	(c)	L3	1 2	1,2,12
Q.3	(a)	1.2	2	1,2
	(b)	1.2	2	1,2,12
1.33	(c)	L3	2	1,2
Q.4	(a)	1.2	2	1,2
	(b)	1.2	2	1,2,12
	(c)	L3	2	1,2
Q.5	(a)	L.2	2	1,2
	(b)	1.2	2 2 2 2 2 2 2 2 2 2 2 2 3 3	1,2
	(c)	L3	2	1,2,12
Q.6	(a)	L3	2	1,2,12
	(b)	1.2	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
14.	(c)	L3	3	1,2
Q.9	(a)	L1	4	1,2
4.3	(b)	L2	4	1,2,12
	(c)	L3	4	1,2,5
2.10	(a)	1.2	4	1,2
	(b)	L2	4	1,2,12
	(c)	L3	4	1,2

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

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### 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<sup>8</sup> ms<sup>-1</sup>, Boltzmann Constant 'k' = 1.38 × 10<sup>-23</sup> JK<sup>-1</sup>, Planck's Constant 'h' = 6.625 × 10<sup>-34</sup> Js, Acceleration due to gravity 'g' = 9.8 ms<sup>-2</sup>,

		Permittivity of free space 'ε <sub>0</sub> '=8.854 × 10 <sup>-12</sup> F m <sup>-1</sup> .  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 <sub>12</sub> =B <sub>21</sub> .	L2	8
	b	Describe attenuation and explain the various fiber losses.	L2	7
	c	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
	b	Discuss Point to Point communication using optical fibers.	L2	6
	C	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
	11-1	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
	C	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
	c	An electron is associated with a de Broglie wavelength of 1nm.  Calculate the energy and the corresponding momentum of the electron.	L3	5
	1	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 $ \phi\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
	100	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	L2	8

.c	Explain the Matrix representation of 0 and 1 States and apply identity operator I to   0 ) and   1 ) states,	L3	6
-	Module-4		
a	Enumerate the failures of classical free electro theory and assumptions of quantum free electron theory of metals.	L2	7
ь	Explain Meissner's Effect and the variation of critical field with temperature.	L2	8
C	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		
a	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
ь	Give the qualitative explanation of RF Squid with the help of a neat sketch.	1.2	6
C	Find the temperature at which there is 1% probability that a state with an energy 0.5 eV above Fermi energy is occupied.	1.3	5
	Module-5		
a	Elucidate the importance of size & scale and weight and strength in animations.	L2	8
Ь	Mention the general pattern of monte Carlo method and hence determine the value of π.	L2	6
C	Describe the calculation of Push time and stop time with examples.	L3	6
11-11	OR		
a	Sketch and explain the motion graphs for linear, easy ease, easy ease in and easy ease out cases of animation.	L2	8
b	Discuss modeling the probability for proton decay.	L2	7
C	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
	a b c a b c	a Enumerate the failures of classical free electro theory and assumptions of quantum free electron theory of metals.  b Explain Meissner's Effect and the variation of critical field with temperature.  c 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  a Explain the phenomenon of superconductivity and Discuss qualitatively the BCS theory of superconductivity for negligible resistance of metal at temperatures close to absolute zero.  b Give the qualitative explanation of RF Squid with the help of a neat sketch.  c 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  a Elucidate the importance of size & scale and weight and strength in animations.  b Mention the general pattern of monte Carlo method and hence determine the value of n.  c Describe the calculation of Push time and stop time with examples.  OR  a Sketch and explain the motion graphs for linear, easy ease, easy ease in and easy ease out cases of animation.  b Discuss modeling the probability for proton decay.  c 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  a Enumerate the failures of classical free electro theory and assumptions of quantum free electron theory of metals.  b Explain Meissner's Effect and the variation of critical field with temperature.  c 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  a Explain the phenomenon of superconductivity and Discuss qualitatively the BCS theory of superconductivity for negligible resistance of metal at temperatures close to absolute zero.  b Give the qualitative explanation of RF Squid with the help of a neat sketch.  c 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  a Elucidate the importance of size & scale and weight and strength in animations.  b Mention the general pattern of monte Carlo method and hence determine the value of n.  c Describe the calculation of Push time and stop time with examples.  OR  a Sketch and explain the motion graphs for linear, easy ease, easy ease in and easy ease out cases of animation.  b Discuss modeling the probability for proton decay.  c 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

<sup>\*</sup>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		Bloom's Taxonomy Level attached	Course Outcome	Program Outcom	
Q.1	(a)	1.2	1	1,2,12	
402	(b)	L2	1	1	
	(c)	1.3	1	1,2	
Q.2	(a)	1.2	1	1,2 1,2	
	(b)	1.2	1	1,2,12	
0.3	(c)	L3	1	1,2	
Q.3	(a)	1.2 1.2	2	1,2	
	(b)	L2	2	1,2,12	
Q.4	(c)	1.3	2	1,2 1,2,12	
Q.4	(a)	1.2	2	1,2,12	
1	(b)	L2	2	1,2	
	(c)	L3	2	1,2 1,2	
Q.5	(a)	L2	2	1,2	
	(b)	L2	2	1,2	
	(c)	L3	2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3	1,2	
Q.6	(a)	1.2	2	1,2,	
300	(b)	1.2	2	1,2	
	(c)	L3	2	1,2,12	
Q.7	(a)	1.2	3	1,2,12	
1000	(b)	L2	3	1,2	
	(c)	L3	3	1,2	
Q.8	(a)	L2 L3 L2	3	1,2 1,2 1,2	
100000	(b)	L2	3	1,2,12	
	(c)	L3	3	1,2	
Q.9	(a)	L2	4	1,2,5	
100	(b)	L2	4	1,2,12	
- 1	(c)	L3	4	1,2	
Q.10	(a)	L2	4	1,2,5, 12	
- Comment	(b)	L2	4	1,2	
	(c)	L3	4	1,2	

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

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.

The second		Module -1	*Bloom's Taxonomy Level	Marks
Q.01	8	Name the four broad categories of computer network based on reachability and explain them briefly.	LI	8
	Ь	Differentiate between IoT and M2M.	LI	6
	c	With a neat diagram explain the network communication between two hosts following the OSI model.	LI	6
		OR OR		
Q.02	3	What is IoT? Write the characteristics of IoT System.	LI	5
5	ь	With a neat diagram explain the inter dependency technology for IoT Planes.	1.2	10
	c	With a neat diagram explain Internet protocol suite.	LI	5
		Module-2		THE STATE OF
Q. 03	a	With a neat diagram explain the working mechanism of actuator.	LI	6
1	ь	Explain the types of actuators.	Ll	8
-	c	Define sensor and explain the characteristics of sensor.	1.2	6
	200	OR	1 5 - 1	
Q.04	п	List and explain the characteristics of Actuators.	12	8
	ь	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		
Q. 05	l a	List and explain common data types in IoT applications	L1	5
4.00	ь	With a neat diagram explain offsite processing topology.	LI	10

			2201	Charles and
			LI	5
	c 1	Write a short note on offloading considerations.		
100	-	OR	L1	5
2.06	a	With a neat diagram explain onsite processing topology.	1.2	8
	b	Explain IoT Device Design and Selection Considerations	-	7
-	c	Write a short note on offload location and offload decision making.	L1	-
		Module-4		11/12
	200	Define Virtualization. Discuss advantages of virtualization	LI	8
Q. 07	a	Summarize the case study related to Smart irrigation management system.	L.2	5
	ь	With the help of neat diagrams explain the of cloud models.	Ll	7
	C	OR		
			Ll	8
Q. 08	а	With a neat diagram explain Architecture of a sensor-cloud platform	LI	5
	ь	With a neat diagram explain Components of an agricultural IoT	LI	7
	c	With the help of neat diagrams describe the difference between Network	F-10	
		computing and cloud computing		
-	-	Module-5	Li	7
Q. 09	Ta.	With a neat diagram explain the Architecture of vehicular IoT.	- 2750	6
4.00	ь	Define Machine learning and explain the advantages of ML.	LI	7
	C	With a neat diagram explain Architecture of healthcare IoT.	Li	-
	10	OR	No.	
	-	List the advantages of vehicular IoT.	LI	7
Q. 10	1000	a similar the types of Machine learning.	LI	6
	b	With a neal diagram expand risk of healthcare IoT.	Ll	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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### Introduction to Internet of Things (IOT)

TIME: 63 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	n	Classify network types based on physical topologies and connection types with schematic diagrams.	1.2	10
	ь	Explain the IoT planes, various enablers of IoT, and the complex interdependencies among them with a block diagram.	1.2	10
		OR		
Q.02	a	Explain networked communication between two hosts following the TCP/IP suite with a block diagram.	1.2	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.	1.2	04
		Module-2		
Q. 03	a	Outline the basic differences between transducers, sensors, and actuators.	1.2	06
	C	Compare mechanical, soft, and shape memory polymer based actustors.	L2	06
	b	Classify sensing types based on the nature of the environment and the physical sensors.	1.2	08
		OR		
Q.04	2	Compare the common commercially available sensors used for loT-based sensing applications.	12	06
	b	Outline a simple actuation mechanism.	12	06
	C	Explain four common characteristics actuators used for selection.	1.2	08
	1	Module-3		
Q. 05	a	Explain event detection using an off-site remote processing topologywith a block diagram.	L2	10
	ь	Explain the data offloading strategies: Offload location and Offload decision making.	1.2	10
		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	a	Explain the architecture of a smart irrigation management system.	1.2 1.2	06
-	ь	Classify the deployment model of Cloud with relevant explanation.	1.2	06
	c	Explain the importance and metrics of Service-Level Agreement (SLA) in Cloud Computing.	1.2	08
	100	OR		-
Q. 08	0	Classify virtualization based on the requirements of the users. Explain.	L2	08
NEST E	Ь	Explain architecture of a sensor-cloud platform with bock diagram.	1.2	08
	C	Explain the features of CloudSim.	1.2	04
	Ties.	Module-5	222	-
Q. 09	a	Explain fog framework for intelligent public safety invehicular environments	L2	10

-		(fog-FISVER) with a block diagram.		
	b	Explain hardware components and front end design features of AmbuSens system.	L.2	10
		OR		-
Q. 10	18	Explain the architecture and components of healthcare IoT with block diagrams.	L2	12
	ь	Summarize the advantages of Machine Learning (ML) in IoT.	1.2	06

<sup>\*</sup>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.

		Module -1	*Bloom's Taxonomy Level	Mark
Q.01	0.	Define computer. Describe the various types of computers based on speed, memory and cost.	LI	8
	ь	Develop an algorithm to find the area and perimeter of a circle. Also define an algorithm.	1.2	6
1	c	Write a short note on the characteristics of a computer	LI	6
		OR		8
Q.02	a	What is variable? What are the rules to construct variable? Classify the following as valid/invalid identifiers.  i) num2 ii) Snum1 iii) +add iv) a 2 v) 199 space vi) apple vii)#12	1.1	.0
	b	Draw a flowchart and C program which takes as input p,t,r. Compute the simple interest and display the result.	L2	6
	-	Write a note on the following operators. i) Relational ii) Logical iii) Conditional		6
	C	Module-2		-
Q. 03	a	Develop a C program that takes three coefficients (a, b, and c) of a quadratic equation; (ax² + bx + c) as input and compute all possible roots and print them with appropriate messages.	1.3	8
	b	Explain the working of goto statement in C with example.	1.2	6
	c		1.2	7
	170	Explain switch statement with syntax and example		
		OR to the state of the	1.3	8
Q.04	а	Develop a simple calculator program in C language to do simple operations like addition, subtraction, multiplication and division. Use switch statement in your program		
			1.1	6
	b	Explain with examples formatted input output statements in C		
		Explain with syntax, if and if-else statements in C program.	1.2	7
	C	Explain with syntax, it and it wise statement in a		
		Module-3		-
Q. 05	a	Write a C program to swapping of 2 numbers using call by reference and call by value.	1.3	8
	b	1.6 1.6 with mitable example	1.2	6
	c	Discuss the implementation of user defined function with suitable example.		
		OR	1.2	8
Q. 06	a	Write a C program to find the product of two given matrix.	L3	
8-1	ь	Explain the working of recursion with suitable example.	L2	6
	- 1	Explain the declaration and initialization of one dimensional and two dimensional	12	6

### 22POP13

		The state of the s		1
-	-	arrays with an example.		-
		Module-4		1 7
Q: 07	100	Develop a C program to concatenate 2 strings without using built-in function.	1.3	6
V. 117	b		1.2	10
		Define String. Explain any 4 string manipulation function with suitable example.	L2	4
	C	Explain the difference between gets() and scanf() functions.		-
	-	OR	7.4	6
Q. 08	10	Develop a C program to find the largest of three numbers using pointer.	1.3	
Q. 00	b	Define Pointer. Explain pointer variable declaration and initialization with	L2	10
	Ċ	Suitable example.  Explain the difference between a null pointer and a void pointer.	1.2	4
			_	1
		Module-5	L3	8
Q. 09	a	Discuss the general syntax of structure variable declaration of structure to store book information.		6
	b	Differentiate between structure and union.	1.2	10
-	-		13	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		
Q. 10	B	Discuss the different modes of operation on files with suitable example.	1.3	- 8
	ь	Differentiate between gets() and fgets().	LZ	1.6
	D			
	c	Implement structures to read, write and compute average-marks of the students, list the students scoring above and below the average marks for a class of N students.	L3	

# Model Question Paper-I/II with effect from 2022-23 (CBCS Scheme) USN USN To a proper tion

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.

		Module -1	*Bloom's Taxonomy Level	Marks
Q.01	а	Explain the components of a computer with a neat diagram.	2	6.
_		Describe any three input devices	2	6
	c	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. \$\text{Stoll no}\$  ii\text{name} 123  iii. If  iv. Name123	3	6
	ь	Summarize the formatted input and output statements with suitable syntax and example	2	6
	c	Explain the SDLC life cycle for the efficient design of a program with a neat diagram.	2	8
	1	Module-2		
Q. 03	8	Describe any 4 types of operators in C with example	2	6
X. Tr	Ь	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
		OR	-	
Q.04	n	Define looping. Explain while and do-while with suitable example	2	6
	ь	Implement a C program to simulate a simple calculator that performs arithmetical operations using switch statements.	3	6
	e	Explain unconditional statements with example	2	8
	-	Module-3	-	
Q. 05	#	Explain the syntax of Function Declaration and Function Definition with example.	3	6
	b	arguments to a function.	3	6
	c	Describe different types of storage classes with example.	2	8
	101	OR	-	-
Q. 06	3	What is an array? Explain how two dimensional arrays are declared and initialized.	2	8
	ь	The state of the s	3	6
-	c	Discuss any three operations that can be performed on arrays with example.	2	6

		Module-4		
Q: 07	4	What are strings? Mention different operations that can be performed on strings?  Explain any two with an example?	2	8
	b	Explain army 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) stremp iv) strcpy	3	15
		OR		
Q. 08	2	Define pointers and explain how to declare a pointer variable?  Differentiate null pointer and void pointer with suitable example?	2	8
	Ъ	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 data type for each field. Print the names of the student with marks—70.	3	8
		OR.		
Q. 10	a	Explain I/O stream and Data I/P stream used in files.	2	6
	ь	Define Enumerated data type. Explain the declaration and access of enumerated data types with a code in C.	2	6
	C	Write a function to perform the following i) Read data from a fileii) Write data to	2	8

<sup>\*</sup>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

200

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	Mark
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	1.2	8
	ь	Demonstrate formatted output of integer in C with suitable example	1.3	6
_	6	Discuss different types of error occur in program	1.2	6
	-	OP		
Q.02	a	Explain the various rules for forming identifiers names. Give examples for valid and invalid identifiers for the same.	12	8
-	ь	Mention various output devices and explain hardcopy devices		6
_	0	Discuss the variants of microcomputer that are widely used today	L2	6
0.01		Module-2  Demonstrate the functioning of Bitwise operator in C	L3	6
Q. 03	H	Write a C program to find roots of quadratic equation	L3	.8
	þ	Distinguish between the break and continue statement	L4	6
-	c	OR		-
Q.04	a	Illustrate Nested loops in C with suitable example	L3	6
10000	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
-	ME,	Module-3	L3	8
Q. 05	n	Write a C program to implement Bubble sort technique(ascending order)		6
	Ъ	Illustrate the concept of recursive function with example	L3	6
	c	Discuss various scope of variables	1.2	0
	-	OR Using spitable example	1.4	8
Q. 06	3	Differentiate between call by value and call by reference. Using suitable example	L3	8
	ь	Write a C program to transpose a MxN matrix	L2	4
	C	Discuss the various storage classes	222	100
Q. 07	a	Module-4  Mention various operations that can be performed on string using built-in functions. Explain any two function	L2	8
	ь	Develop a program using pointer to compute the sum, mean and standard	L4	8

	7	deviation of all element stored in array of N real number	L2	4
	2	Explain how strings are represented in main memory	1,4.	-
		0.0	1.3	8
Q. 08	a	Write a program to compare two strings without using built-in function	1.2	6
	b	What is pointer? Discuss pointer arithmetic with suitable c. code	1.2	6
	c	Explain gets()and puts() function with example		
	OF S	NAME OF TAXABLE PARTY.	1.2	7
Q. 09	a	Explain various modes in which file can be opened for processing	1.3	8
	b	to send write and compute average marks or the	1000	
		students	Li	5
	C	What are enumeration variable? How are they declared		
	100	OR	£.2	8
Q. 10	1	Write a short note on functions used to		
		Read data from a file		
		Write data to a file	L4	6
	Ь	Differentiate structures and unions with syntax and example	1.2	6
	10	THE PAID OF FILE		

	Tab	ole showing the Bloom's	Course Outcome	outcome and program outcomes Program Outcomes
aestio	Bloom's Taxonomy Course Outcome		Course Outcome	PO1,PO2
1	a	1.2		PO1,PO2
	ь	L3	CO2	PO1,PO2
	C	L2	COZ	PO1,PO2
2	a	L2	CO2	PO1
	ь	Ll	CO1	PO1
	C	1.2	CO1	PO1,PO2
13	а	L3	CO2	PO1,PO2,PO3
	b	1.3	CO2,C05	PO1,PO2
	C	L4	CO2	PO1.PO2
2.4	а	L3	CO2	PO1,PO2,PO3
	b	L3	CO2,CO5	PO1,PO2
	C	· L3	CO2,CD5	PO1,PO2, PO3
-	a	£3	CO3	PO1,PO2,PO3
1.5	b	L3	CO3,CO5	The second secon
		L.2	COZ	PO1,PO2
	C	L4	CO4	PO1,PO2,PO3
2.6	a		CO3	PO1,PO2,PO3
	Ь	L3 L2	COS	PO1,PO2
	C	1.2	CO5	PO1,PO2, PO3
Q.7	a	1.4	CO4	PO1,PO2,PO3
	ь	1.2	COZ	PO1
-	c	L3	CO5	PO1,PO2,PO3
0.8	3	L2	CO4	PO1,PO2
	b	1.2	CO2	PO1

#### 22POP13

0.9	a	1.2	C05	PO1,PO2
	Ь.	L3	CO4,CO5	PO1,PO2,PO3
	C	Li	C04	PO1
0.10	a	L2	CO2,CO5	PO1,PO2
	b	L4	C04	PO1,PO2
	c	1.2	C02	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.

0.	No.	Module1	Marks
	a	With neat single line diagram explain the various steps of electrical power transmission and distribution system.	06
Q1	ь	State and explain Kirchhoff's current and voltage law.	06
	c	A circuit of two parallel resistors having resistances of $20\Omega$ and $30\Omega$ connected in series with 15 $\Omega$ . If the current through 15 $\Omega$ resistor is 3A. Find i) current in $20\Omega$ and $30\Omega$ resistors ii) voltage across the whole circuit iii) the total power and power consumed in all resistors.	08
		OR	
	3	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 $2\Omega$ resistor.  B  12 $\Omega$ 2 $\Omega$ 4 $\Omega$ D  4 $\Omega$ Fig(i)	08
-	-	Module 2	
	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	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

	c	Three coils having resistance of 10Ω and inductance of 0.02H are connected in star across 440V, 50Hz three phase supply. Calculate the line current, power factor and total power consumed.	06
		Module 3	08
	a	With a neat diagram explain the construction of D.C. generator.	08
	b	Tes and the account of the second of the sec	VO
Q5	c	An 8 pole generator has 500 armature conductors and has a useful flux per pole of 0.065wb. What will be the cmf generated if it is lap connected and runs at 1000rpm? What must be the speed at which it is to be driven to produce the same emf if it is wave wound?	04
		OR	000
	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 $0.5\Omega$ and $125\Omega$ respectively. The wave wound armature has 30 slots and each slot containing 10 conductors. If the flux per pole is $0.02$ wb, calculate i) speed ii) torque developed iii) power developed.	08
	c	With usual notations derive an emf equation of D.C. generator.	04
	-	Module 4	
	а	Derive the emf equation of a transformer and hence obtain the voltage and current transformation ratios.	08
	ъ	With nest diagram explain the types of three phase induction motor.	06
Q7	c	A transformer is rated at 100 kVA. At full load its copper loss is 1200W and its 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
	Ь	With diagrams explain the concept of rotating magnetic field.	06
Q8	c	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
		Module 5	
	11	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
	- 1	OR	
	a	Define "unit" used for consumption of electrical energy and explain the two part tariff with its advantages and disadvantages.	08
Q10	Ъ	What is electric shock? Give the list of preventive measures against the shock.	08
Qiu	c	List out the power rating of household appliances including air conditioners, PCs, laptops, printers, etc. Find the total power consumed.	06

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Ques	tion	Taxonomy Level	Course Outcome	1000000	nm Outcome	
	8	L.2	CO5	PO1, PO2, PO3, PO	05, PO6, PO7, PO8	
Q. 1	b	L2	COI		95, PO6, PO7, PO8	
200	c	1.3	CO2	PO1, PO2, PO3, PO	04, PO5, PO6	
	18	1.2	COI	PO1, PO2, PO3, PO	05, PO6, PO7, PO8	
Q. 2	b	L2	COI		05, PO6, PO7, PO8	
X	c	L3	CO2	PO1, PO2, PO3, PO		
	a	L2	COI		05, PO6, PO7, PO8	
Q.3	b	1.4	CO2	PO1, PO2, PO3, PO		
4.5	c	L3	CO2	PO1, PO2, PO3, PO		
-	3	L3	CO2	PO1, PO2, PO3, PO		
Q. 4	b	L3	CO2	PO1, PO2, PO3, PO	04, PO5, PO6	
Q. 4	c	L3	CO2	PO1, PO2, PO3, PO		
	a	L2	CO3	PO1, PO2, PO3, PO	04, PO5, PO6, PO7, PO8	
0.5	b	L3	CO3	PO1, PO2, PO3, PO4, PO5, PO6, PO7, P		
Q.5		L3	CO3	PO1, PO2, PO3, PO	04, PO5, PO6, PO7, PO8	
Q. 6	c a	L3	CO3	PO1, PO2, PO3, PO	04, PO5, PO6, PO7, PO8	
	ь	L2	CO3	PO1, PO2, PO3, PO	04, PO5, PO6, PO7, PO8	
	-	L3	CO3	PO1, PO2, PO3, PO	04, PO5, PO6, PO7, PO8	
	c	L4	CO4	PO1, PO2, PO3, PO	04, PO6, PO7, PO8	
0 7	a b	L2	CO4	PO1, PO2, PO3, PO	04, PO6, PO7, PO8	
Q. 7	200200300	L3	CO4	PO1, PO2, PO3, PO4, PO6, PO7, PO8		
-	c	L2	CO3		04, PO5, PO6, PO7, PO8	
0 0	a	L3	CO3		04, PO5, PO6, PO7, PO8	
Q. 8	b		CO4	PO1, PO2, PO3, PO4, PO6, PO7, PO8		
	c	L3	C05		05, PO6, PO7, PO8	
	a	L2	COS		05, PO6, PO7, PO8	
Q. 9	b	L4		The second secon	05, PO6, PO7, PO8	
	c	L2	CO5	Company of the Compan	05, PO6, PO7, PO8	
	a	L2	CO5		O5, PO6, PO7, PO8	
2. 10	b	L2	CO5	The state of the s	05, PO6, PO7, PO8	
	c	1.4	CO5	FO1, FO2, FO3, F	03,100,107,100	
				order thinking skills		
Bloo	ms	Remembering(		tanding	Applying (Application):	
Taxor		knowledge):L1		ehension): L2	L3	
Lev		Higher order thinking skills  Analyzing (Analysis): L4 Valuating (Evaluation): L5 Creating (Synthesis): L5				

### GBGS 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
214		Discuss the social implications of renewable energy sources?	6	1.1	C01
Q.1	b	Differentiate between renewable and non renewable energy sources?	8	1.2	COL
	6	Briefly explain renewable energy availability in India?	6	LI	CO2
	hand	OR			
Q.2	a	What are the advantages and disadvantages of solar energy?	8	Li	€01
	Ь	Discuss briefly geothermal energy?	6	LI	CO3
	0	Write a note on Internet of Energy(IOE)	6	1.2	CO4
		Module -2			
Q.3	1.2	Define beam and diffuse radiation?	6	EI	CO3
Au.	b	Explain the working principle of pyrheliometer with line diagram?	8	LI	CO3
	C	What are the basic features of ideal pyranometer?	6	Li	CO3
		OR			
Q:4	13	What are the limitations and applications of solar photovoltaic system	8	1.1	CO3
-	Ъ	With a simple line diagram explain solar flat plate collector?	8	Li	CO3
	c	Write a note on solar cell	4	1.2	COS
		Module - 3			
	1	What are the major problems associated with wind power system.	6	1.3	CO4
Q5	b	With a simple line diagram explain main components of Horizontal axis wind turbine (HAWT).	8	1.1	CO3

			-	7.7	CO3
_		Classify wind energy conversion system (WECS)	.0	1.2	4.475
	10				
	**	CIR			CO2
Q.6	n,	Explain different types of biofisels.	. 6	LI	1002
		Explain the process of photosynthesis?	8	Life	CO3
	c	What are the main advantages and disadvantages of biomass energy?	6	1.1	CO2
	-	Module - 4			
Q.7	-51	What are the fundamental characteristics of tidal power plant?	6	1.2	CO3
	b	Describe with simple line diagram single basin tidal power plant?	-81	LI	CO3
	.0	What are the limitations of tidal power plant?	6	1.2	CO4
		OR			
Q.8	1	Describe with a line diagram closed cycle OTEC system?	8	LI	CO
26.50	Б	What are the environmental impacts of OTEC plant?	6	1.2	CO
	100	What are relative advantages and limitations of OTEC plant?	6	1.2	CO
		Module - 5			
0.9	10	Describe the classification of the fuel cells?	8	LI	co
	Ь	Describe various methods of storage of hydrogen?	6	1.2	co
	8	What are the problems associated with hydrogen energy?	-6	L2	co
	39	OR			
Q.10	n	What are the benefits of hydrogen energy ?	6	1.1	CO
	15	What are the various fuels used in fuels cells? Explain.	8	1.2	CO
	è	Write a note on Zero energy concepts?	. 6	1.2	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, chausing ONE full question from each module.

2. VTU Formula Hand Book is permitted.

L. M : Marks . L: Bloom's level . C: Course outcomer.

	100	Module - 1	M	L	C
Q.1	n.	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	COI
	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	COI
		OR			
Q.2	2.	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	1.2	COL
	b.	Find the radius of the curvature of the curve $r = a(1 + \cos \theta)$ .	7	L2	COI
	c.	Using modern mathematical tool write a program/code to plot the Sine and Cosine curve.	5	1.3	CO5
	-	Module – 2	1000		
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	1.2	COI
	h.	If $Z = e^{ax-by}$ flax-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	1.3	COI
		OR			
Q.4	2.	Evaluate $\lim_{x \to 0} \left( \frac{a^* + b^* + c^* + d^*}{4} \right)^{1/4}$	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	1.2	COL

1		the state of the s	15	L	CO
	c.	Using modern mathematical tool write a program code to evaluate $ Lt \times \to \infty \left(1 + \frac{1}{x}\right)^n. $			
		Module - 3	-	-	4
Q.5	a.	Solve $\frac{dy}{dx} + y \tan x = y^* \sec x$ .	6	L2	CO
	b.	Find orthogonal trajectories of family of curves r* = a" cosnθ.	7	1.3	CO
	c.	Solve $x^2p^2 + 3xyp + 2y^2 = 0$ .	7	1.2	CO
-	-	OR			-
Q.6	n.	Solve $(x^2 - y^2 + x)dx + xydy = 0$ .	6	E.2	CO
	b.	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	1.2	cox
	c.	A 12 volts battery is connected to a series circuit in which the inductance is  1 Henry and resistance is 10 ohms. Determine current I, if the initial current is zero.	7	L3	COI
	1	Module - 4			
Q.7	21-	i) Find the last digit in 13 <sup>27</sup> .  ii) Find the remainder when 7 <sup>118</sup> is divided by 10.	6	1.2	CO3
	b.	Find the solutions of the linear congruence 12x = 6(mod21).	7	L2	CO3
	c.	Find the general solution of linear Dio-phantine equation 70x + 112y = 168.	7	L2	CO3
	1	OR	20		con
Q.8	2.	Find the remainder when 14! Is divided by 17.	6	1.2	CO3
	b.	Find the solution of system of linear congruences $7x + 3y = 10 \pmod{16}$ $2x + 5y = 9 \pmod{16}$	7	L2	CO3
	c.	Solve $x = 3 \pmod{5}$ , $x = 2 \pmod{6}$ , $x = 4 \pmod{7}$ using Chinese remainder theorem.	7	1.3	соз
		Module - 5			
Q.9	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	1.2	CO4

10.1	Solve the system of equations by Gauss-Jordan method. 3x + y - z = 0; 2x + 5y + 7z = 52.	7	1.3	CO4
c.	Find the largest eigen value and the corresponding eigen vector of the matrix $A = \begin{bmatrix} 2 & -1 & 0 \\ -1 & 2 & -1 \\ 0 & -1 & 2 \end{bmatrix}$ taking $\begin{bmatrix} 1 & 1 \end{bmatrix}^T$ as initial eigen vector, using	9	L3	CO4
Q.10 n.	Prince the values of $\lambda$ and $\mu$ for which the system $x + y + z = 6$ ; $x + 2y + 3z = 10$ , $x + 2y + \lambda z = \mu$ has i) Unique solution where $x + y + z = 6$ ; $x + 2y + 3z = 10$ , $x + 2y + \lambda z = \mu$ has i) Unique solution.	on 8	1.2	CO4
	ii) Infinitely many sources by Gauss-Elimination meth	od 7	13	CO4
	Solve the following system of equations $3y + 2z = 20$ . 2x - y + 4z = 12. $4x + 11y - z = 33$ . $8x - 3y + 2z = 20$ . Using modern mathematical tool, write a program/code to test consistency of the equations $x + 2y - z = 1$ . $2x + y + 4z - 2$ . $3x + 3y + 4z = 1$	the 5	L	co

# CBCS SCHEME

	 	 	BPHYS	102
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elole.			257	

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

Max. Marks: 100 Time: 3 hrs.

Note: L. 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.

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		3. M : Marks ; L: Bloom's level , C: Course ontcomes.	-	- 1	-
		Module 1	M	1.0	COI
Q.1	a.	Explain the construction and working of a semiconductor laser with the help of energy level diagram.	8	1.2	
	b.	What is refractive index profile? Discuss three different types of optical fibres based on modes of propagation and refractive index profile.	7	L.2	COI
	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	C05
-	1	OR			
Q.2	si.	Define acceptance angle and numerical aperture. Derive an expression for numerical aperture in terms of refractive indices of core, cladding and surrounding.	8	1.2	COI
	b.	Derive an expression for energy density for a system in thermal equilibrium in terms of Einstein's co-efficient.	7	L2	C01
	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° m and the distance between the grating and the source is 80 cm, find the wave length of LASER light.	5	L3	C05
_		Modulo - 3			- Marie Marie
Q3	38.	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.		L2	CO2
	b.	State and explain Heisenberg uncertainty principle. Show that an electron doesn't exists inside the nucleus.	10.00	1.2	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 <sup>-17</sup> kg.	4	13	CO2
	1	OR S. V	1		CO2
0.1	Tool	Setup Schrodinger time independent wave equation in one dimension.	9	L2	-
Q.4	b.	Define phase velocity and group velocity. Derive an expression for De Broglie wavelength of an electron.	7	12	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	1.3	CO2
	_	Madule - 3	9	L2	CO
Q.5	3.	Explain the Pauli matrices and apply Pauli matrices on the state  0  and  1 .	6	L2	00:
	1	Differentiate between classical and quantum computing		1000	100000
	b.	Explain the Hadamard gate. Show that the Hadamard gate is unstary.	5	1.2	CO
		1 of 2			

		OR AY		*2	CO2
).6	а.	A Linear operator 'X' operates such that $X 0\rangle =  1\rangle$ and $X 4\rangle =  0\rangle$ . Find the	5	1.2	
		matrix representation of 'X'.  Describe the working of CNOT gate mentioning its matrix representation	9	1.2	CO2
	b.	and truth table.	6	E.2	CO2
	e.	Explain the representation of qubit using Bloch sphere.	-		
		44 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	1.2	CO3
Q.7	2.	Enumerate the failures of classical free electron theory and discuss the success of quantum free electron theory of metals.			003
	b.	Explain DC and AC Josephson effects and mention any two applications of superconductivity in quantum computing.	7	1.2	CO3
	c.	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	1.3	CO3
		OP SY			CO3
Q.8	a.	Explain Meissner's offect and the variation of critical field with	8	L.2	
	b.	Define Fermi factor. Discuss the variation of Fermi factor with temperature	7	1.2	CO3
		and energy.  The critical temperature of Nb is 9.15 K. At zero Kelvin, the critical field is	5	13	C03
	c.	The critical temperature of No is 9.13 K. At 2010 Revenue of No is			
		Module - 5	8	1.2	C04
0.9	12.	Discuss timing in Linear motion, Uniform motion, Slow in and Slow out	1000	1000	C04
300	b.	Describe lumping and parts of jumping in animation.	7	L2	200000
	C.	a device in object it an animation has a first frame distance 0.5 m and	5	L3	COS
		OR		-	
0.10	) a	the and outs and odd rule multiplier with suitable example.	8	200	2 2000
Q.II	a mile	at the steep ability for proton decay.	7	L2	CO
	b c.	to region fibre experiment the Laser light propagating through optical		1.3	CO
11.11	100	Calculate the angless comme			

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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: 1. Anxwer any FIVE full questions, choosing ONE full question from each module.

2. VIU Formula Hand Book is permitted,

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

		3. M : Marks . L: Bloom Stever , C. Cont	M	L	C
	-	Module - 1  Explain the organization of Basic computer model with neat diagram.	8	LI	CO2
Q.1	a.		2	LI	CO2
	b.	Explain Input/Output statement in C.	4	LI	CO2
	€.	List and explain any two input-output devices.			
		OR	6	1.2	CO2
Q.2	n.	What are the basic datatypes available in C?	1070	25	GIE.
1	b.	Define variable. Explain the rules to declare a variable with example.	6	L2	CO2
	C.	With suitable example - Explain the basic structure of C program.	8	L2	CO2
	-	Module - 2	-		000
Q.3	8.	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	13	CO2
-	c.	List and explain unconditional branching statements with example.	8	LI	CO2
	-	OR			
Q.4	a.	List the conditional branching statements in 'C'. Explain any two with example.	5	Li	CO2
	b.	Write a C program to compute the roots of a quadratic equation by accepting the coefficients print appropriate messages.	6	L3	CO2
	c.	Explain different types of loops in C. Justify with its syntax and example.	8	L2	CO2
1	-	Module - 3	00		
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 (conside 3×3 ordered matrices A and B).	8	1.3	CO
		OR		-	-

Q.6	2.	Define function. Explain the type of functions based on parameters.	8	1.2	CO3
500	b.	Write a C program to sort the elements using bubble sort technique by passing array as function argument.	6	1.3	CO4
100	e.	Write a C program to find the $n_{C_1}$ $\left[n_{C_1} = \frac{n!}{(n-r)!n!}\right]$	6	1.3	CO3
	-	Module 4			
Q.7	a.	Define a string. List the string manipulation functions. Explain any two with examples.	В	£.2	CO2
	b.	Write a C program to find the length of a given string without using built-in function.	6	1.3	CO3
	e.	Write a C program to check whether the given string is Palindrome or not without using built in function.	6	13	CO2
		OR	155511		
Q.8	n.	Define Pointer. Explain how the pointer is declared and initialized with example.	6	I.2	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	CO4
	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
		Module -5			
Q.9	a.	Differentiate between structures and Union.	6	L.2	CO4
	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
	e.	Write a note on files.	6	L3	CO4
		OR			
Q.10	a.	List and explain any four file operations in C.	6	L2	CO2
14	b.	Write a C program to store and print name, USN, Subject and IA marks of students using structure.	8	1.3	C04
	c.	Write a note on enumerated data type.	6	L2	CO4

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### CBCS SCHEME

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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: 1. 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.

Yes		Module - 1	M	L	C
Q.1	3.	. With the help of single line diagram, explain the electrical power transmission and distribution system.	6	1.2	CO
	b.	Explain the working of hydro power generation using relevant block diagram.	8	1.2	CO
	c,	A resistance R is connected in series with a parallel circuit comprising of two resistance $12\Omega$ and $8\Omega$ . The total power in the circuit is 70W, when the applied voltage is 20V. Calculate R.	6	1.3	CO
		OR	-	-	-
Q.2	n.	State Kirchhoff's law for DC circuits. Illustrate with an example.	6	1.2	co
	b.	With the help of block diagram, explain the working of Solar power generation.	8	L2	CO
	c.	For the circuit shown in Fig. Q2(c), find the current supplied by each battery and power dissipated in $1\Omega$ resistor.	6	L3	co
		Fig. Q2(c) 0.25a 0.2.a			CEST
		Module – 2			
C.Q	11.	A pure inductor excited by sinusoidal varying AC voltage, show that the average power consumed by inductor is zero.	8	L2	COI
	b.	Define i) Real power iii) Reactive power iii) Apparent power iv) Power factor.	6	LI	COI
	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	COI
-W. V. I.		OR	-		0
1.4	R.	Develop an equation for the power consumed by a R - C series circuit. Draw the waveform of voltage, current and power.	8	L2	CO
	b.	With relevant diagrams, explain the concept of line values of voltage and current and phase values of voltage and currents in 3 φ star and delta connections.	6	L2	COS
- 1		1 of 3			1
		1013			

#### BESCK104B/BESCKB104 L3 CO3 A circuit having a resistance of 12Ω on inductors of 0.15H and a 6 capacitance of 100µF 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. Module - 3 With the help of neat diagram, explain the construction of DC generator. CO4 LZ. 0.5 With usual notations, derive the torque equation of a DC motor. 1.2 CO<sub>4</sub> A d.c. shunt generator has a shunt field winding resistance of 1000, it is CO4 L3 supplying a load of 5kW at a voltage of 250V. If its armature resistance is 0.22Ω and per brush voltage drop is I volt. Calculate the induced e.m.f of generator. OR Give the classification of DC generator, Obtain the expression for EMF L2 CO4 0.6 equation of a DC generator. CO4 1.2 With neat diagrams, explain the speed control of DC shunt motor. e. A 4 pole de shunt motor takes 22 A from 220V supply, the armature and L3 CO4 field resistances are respectively $0.5\Omega$ and $100\Omega$ . The armature is lap connected with 300 conductors. If the flux per pole is 20 mwb, calculate i) Speed ii) Gross torque. Module - 4 Explain the working principle of single phase transformer and its necessity LI COL 0.7 in power system. 1.2 CO2 Explain the concept of totating magnetic field in a 3 - phase induction motor with next vector diagrams. The maximum efficiency at full load and unity power factor of a single -1.3 CO2 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. With relevant diagrams, explain the construction of 3 - phase induction 1.2 CO2 Q.8 a. motors. Derive an EMF equation of single phase transformer with usual notation. 1.2 CO2 A 3 - phase, 50Hz, 4 pole induction motor, its rotor induced e.m.f is 1.5 Hz CO3 frequency. Calculate i) Synchronous speed ii) Full load slip iii) Actual speed. Module - 5 List the types of wiring system used for domestic / industry, Explain LI CO5 0.9 suitable wiring used for staltcase, give the schematic / circuit diagram. What is Earthing? With a neat diagram, explain plate earthing. L2 CO5 Define Unit and Tariff. Explain the two port tariff with its merits and CO5 dements. 2013

		BESCK104B	BE	SCK	B104
		OR			
Q.10	а.	What is Fuse? With neat diagram, explain the working principle of fuse.	6	1.2	CO:
	b.	Define Electric shock. What are the safety precaution to be taken against to avoid electric shock?	8	1.2	COS
	c.	An electric boiler draws 6A current at 230V for 4 hrs. The electricity costs Rs 3/- per unit. Determine the total cost.	6	L3	COS

		GEIGE SIGH	EWE	BIDTK158
USN			Question	n Paper Version : C
3		B.E./B.Tech. Deg		n, Jan./Feb. 2023 ing
Time	: 1 hr.]			[Max. Marks: 50
		INSTRUCTIONS	TO THE CANDI	DATES
1.	Answer all the fift	ty questions, each qu	estion carries one m	ark.
2.	Use only Black b	all point pen for wri	ing / darkening the	circles.
3.	For each questio	n, after selecting yo	ur answer, darken	the appropriate circle
	corresponding to	the same question	number on the OM	IR sheet.
4.	Darkening two cir	reles for the same que	estion makes the ans	wer invalid.
5.	Damaging/overw prohibited.	riting, using whit	eners on the ON	MR sheets are strictly
1.	What is the usual or a) Try, Reflect, Pre c) Try and Reflect	rder of problem solvin pare, Define	g process?  b) Prepare, Try Det d) Define, Prepare	
2.	b) Helps us come u	n Challenge - nceptual view point to p with the Right Proble design to a marketing	em to solve.	tive
3.	resulting in bre b) Empathy makes and not Empath c) Inventions are s Research or Exp	g one can define a Prol ak through innovation. I you a better human, b y udden Eureka moment	s and is not really par	s out of the box thinking
4.	a) To Come up with b) To come up with c) To test his best i	ate phase. What is her h one or two great idea h us many ideas as pos dea. hich problem he's goin	is sible, good and bad.	
5.	During which stap problem. a) Prototype	ge would you start b) Define	c) Ideate	d) Empathize

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6.	Design Thinkers create low-fidelity proto	types to :
	<ul><li>a) Test concepts quickly and cheaply with</li><li>b) Validate concepts for the market.</li></ul>	potential users.
	c) Build Production-Ready products.	
	d) Estimate the price of production	
7.	Which of the following well known consolution?	sulting firms are offering Design Thinking
	a) McKinsey & Co.	b) BCG
	c) Bain & Co.	d) All of above
8.	Design Thinking is sometimes visualized a) Impactful b) Incapacitating	as a linear process, but it is actually: c) Intentional d) Iterative
9.	Which of the following is NOT part of the	· idea-selection process in DT?
1965	a) Grouping Related concepts together     c) Deliberating	b) Identifying selection criteria d) Prototyping
10.		rage age of school dropouts. Which stage is
	in? a) Empathize	N Deferred to the second
	c) Ideate	d) Prototype
11.	Which of the following is the least true ab	contraction?
11.	a) It accelerates development process	out open uniovation?
	b) It reduces cost of product development	The second second second second
	c) It helps in creating product differentiati	
	d) It helps to beat competition	
12.	People Centered Design methodology invi	olves,
	<ul> <li>a) A problem-solving approach for people</li> <li>b) A problem-solving approach which is a</li> </ul>	
	products.	and the same of th
	c) A problem solving approach for people	that both diverges and converges.
	d) None of these	No.
13.	User journey map helps you to,	
200	a) Understand the touch point and pain po	ints of the user.
	b) iterate, iterate, iterate	
	c) Identify the user's credibility, expertise	and skills.
	d) None of these	
14.	What is the role of the Define Stage of des	sign 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	orobiem.
15.	What is a problem statement in design thin	nking?
2200	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	arget market. n C - 2 of 5

16.	What purpose does Point Of Veiw (PO	V) serve in design thinking?
	a) It serves as the guide for developing	the prototype.
	b) It illustrates what your competitors a	ire doing better.
	c) It is used in the testing phase for reco	eiving feedback.
	d) It provides focus for the design team	s brain storming.
17.	adults with arthrit is need Easy-Open lids"	nt, which part is considered the insight? "Senior bottles because they struggle to open childproof
	a) Because they struggle to open child	proor nus.
	b) Need easy-open bottles.	
	e) Senior citizens	
	d) None of these	
18.	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 interact	nons with you brand,
	c) A written statement of a Customer's	problem of necu.
	d) The opinion of the manager about he	
19.	Where do the insights in Point Of View a) Researching other products on the m	(POV) in design thinking come from? arket.
	b) Interviewing the general Public on S	ocial media.
	c) Synthesizing the data that has been g	athered
	d) Developing ideas during brainstormi	ng
20.	People centered Design is -	
7	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 and has
	to use it.	
	c) All of the above	
	d) None of the above	A TEMPORAL PROPERTY OF
21.	Design thinking Approach leads to -	- out and free find on the land
2000	a) Technology centric designs	b) Marketing centric designs
	e) People centric designs	d) All of the above
22.	Design-Impacts the business	
	a) Truc	b) False
	23	
23.	Empathy is - a) to understand people and the contexts	s of their use of a product
	b) to know the way the product works	of the about a product and a second a second and a second a second and
	c) to imagine people's behavior in differ	rent contexts
	d) None of these	
24.	Design thinking encompasses -	Land Land Land Land Land Land Land Land
	a) Desirability	b) Feasibility
	c) Viability	d) All of these
25.	Which one of the following is not the m	
2935	a) Quick design	b) Prototype refinement
	c) Coding	d) Engineer product
	Vers	sion C-3 of 5

26.	Which of the followa) Make it c) Self oriented	wing is not the mindset	of a Design Thinker? b) Learn from Failur d) Empathy	e
27.	Where does the int a) The Terting stag c) The Ideate stage	je .	b) The prototype sta d) The Empathize st	ge
28.	Crafting a Point O which?	f View (POV) requires	three key elements inclu	iding all of these Except
	a) Design	b) User	c) Insight	d) Need
29.	Who is the recomma) Your target cust c) Professional des	omers	should test out the proto b) People in your tea d) Experts	
30.	Which is not one of a) Horizontal proto c) Diagonal protot	otype	b) Vertical Prototype d) Domain prototype	
31.	What is your First a) Draft	model/design of a prod b) Rough Draft	hict called? c) Prototype	d) Practice Design
32.	The final step in th	e Design process is to b) Define	c) Ideate	d) Empathize
33.	a) Deep-Design	IDEO's first expressio b) Deep-Dive	n of design thinking. c) Deep-Structure	d) Study-Dive
34.	The state of the s	efined and coined the te b) Mind mapping		d) Hypothesis
35.	a) Peprico has turr b) Air BnB avoide	ned Design Thinking int d bankruptcy and turne step process to bring ab	d profitable using Desig	n Thinking
36.	At what step do yo a) Empathy	b) Prototype	POV-Point Of View? c) Define	d) Ideate
37.	The initial design a) Designer	brief iS provided by, b) User	e) Both of them	d) Client
38.	What Element of a) Interaction Desi c) User Research		would the design strates b) Experience strates d) Information Arch	gy
39.	When testing a ne detect the main us a) The more Perso c) 10 Persons per	ability issues? na the better	b) 20 Persons per Pe d) Five Persons per I	

Version C - 4 of 5

40.	a) Changing inno b) Ready for the	organization for strate vation process in the o change in the organiza- inge in the capabilities we	rganiza tion	tion	
41.	What is design co	onsiderations are not li b) Services		th? Business	d) Computers
11221		11700011111111111	A F	000000000000000000000000000000000000000	
42.	To Empathize, or		7	Villa.	d) All of the above
	a) Observe	b) Engage	(0)	Listen	d) All of the above
43.	story	telling is the most con	pelling	type of story,	
	a) Aural	b) Visual		Textual	d) All of these
440	Photos di laborito				
44.	a) People	an organization are, b) Employees	199	Managers	d) All of these
	a) reopie	o) Employees	c)	Managers	d) All of these
45.	Comprehensive p	rinciple of Design thin	king do	es not include	
	a) Relationship	b) Collaboration	c)	Communication	d) Suppliers
46.	from? a) The Design Sta	ige A	b)	The Ideate Stage	roblem statement come
	c) The Define sta	ge	d)	The testing stage	
47.	MVP stands for,				
11000	a) Minimum Vial	ole product	b)	Maximum Viable	Product
	c) Most viable pro			None of these	
200			130	The state of	
48.	Journey mapping	AND A STATE OF THE PARTY OF THE		apping.	Taking Williams
	a) Path	b) Experience	c)	Conduct	d) Feedback
49.	Which of the follo	owing are NOT tools of b) Prototyping		n Thinking? Mind mapping	d) Online marketing
				The state of the s	- Andrews Commence of the Comm
50.	A Prototype is a s	imple experimental m	odelofa		
	a) i est ideas	b) Validate ideas	c)	both	d) None of these
		83	0200		

## ADAG GAMENTE

	@D00 00	RIMEIN	BIDTK15	8	
USN		Questi	on Paper Version:	D	
1	First Semester B.E./B.Tech. De Innovation &	gree Examinati Design Thin	on, Jan./Feb. 202 king	23	
Time	1 hr.]	and the same	[Max. Mark	s: 5(	
	INSTRUCTION	S TO THE CANE	DIDATES		
1.	Answer all the fifty questions, each o	question carries one	mark.		
2.	Use only Black ball point pen for w	riting / darkening th	e circles.		
3.		- 14		circle	
773	For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.				
4.	Darkening two circles for the same q			3 2	
5.	Damaging/overwriting, using wh	ilteners on the C	MR sheets are st	rictly	
	prohibited.				
1.	Design fhinking Approach leads to - a) Technology centric designs c) People centric designs	b) Marketing ce d) All of the abo	THE PROPERTY OF THE PARTY OF TH		
2.	Design-Impacts the business a) True	b) False	0		
3.	Empathy is - a) to understand people and the contexts b) to know the way the product works c) to imagine people's behavior in diffe d) None of these		iuct		
4.	Design thinking encompasses - a) Desirability c) Viability	b) Feasibility d) All of these			
5.	Which one of the following is not the n a) Quick design c) Coding	b) Prototype ref d) Engineer pro	inement		
6.	Which of the following is not the mind:  a) Make it c) Self oriented	set of a Design Thinks b) Learn from F d) Empathy			
7.	Where does the information for defining	g the problem in the c	lefine phase come from	17	

a) The Terting stage c) The Ideate stage

b) The prototype stage

d) The Empathize stage

				11 10 10 10 10	- Hafthace Exc
8.	Crafting a Point Of V	iew (POV) requires t	hree key	elements include	ting all of these time
	which?				d) Need
	a) Design	b) User	c) Insi	ght	u) incen
	Who is the recommen	alad arrows that yours	bould tex	t out the protot	ypes with?
9.	Who is the recommen	ace group wan you s	b) Peo	ple in your tear	n
	a) Your target custom	CIS 1019	d) Exp		
	c) Professional design		-		
10.	Which is not one of th	ne types of prototype	of protot	yping Mode 17	1,04
7772	a) Horizontal prototyj	oe .	b) Ver	tical Prototype	
	c) Diagonal prototype	(1)	d) Do	main prototype	
			EX CONTRACTOR		
11.	What is design consid	lerations are not links	ed with?	-inne	d) Computers
	a) Products	b) Services	c) Bu	SIDCSS	M) Serial Miller
225	m. Parathina and ha	w to			
12.	To Empathize, one he	b) Engage	c) Lis	ten	d) All of the above
	a) Observe	b) Linguige	,		THE PROPERTY OF THE PARTY OF TH
13.	story telli	ng is the most compe	elling typ	e of story,	
4000	a) Aural	b) Visual	c) Te	xtual	d) All of these
	200	A DESCRIPTION OF			
14.	Design thinker in an	organization are,		THE STATE OF THE S	d) All of these
	a) People	b) Employees	c) Mi	inagers	d) All of these
	Comprehensive princ	inte of Design think	na does i	not include	
15.		b) Collaboration	c) Co	mmunication	d) Suppliers
	a) Relationship		71, 00		
16.	In design, where doe	es the information u	sed to po	nt together a p	roblem statement come
	from?	THE STATE OF THE S			
	a) The Design Stage			e Ideate Stage	
	c) The Define stage		d) Th	ne testing stage	
	CHARLES IN MINISTER				
17.		and the same of th	EV SA	aximum Viable	Deselvet
	a) Minimum Viable j			one of these	rioudul
	c) Most viable produ	ct	0) N	the or these	
10	Journey mapping is a	dso called	map	oing.	
18.	a) Path	b) Experience		onduct	d) Feedback
	150				
19.	Which of the followi	ng are NOT tools of	Design T	hinking?	
	a) Co-creation	b) Prototyping	c) M	ind mapping	d) Online marketing
20.		ple experimental mo	del of a p	roposed solutio	on used to,
	a) Test ideas	b) Validate ideas	c) bo	MI	d) None of these
2.	Which of the follows	ing is the least true a	hout oner	innovation?	
21.	a) It accelerates deve	lonment process	opul open	1 11110 7 11110711	
		product developmen			
		g product differentiat			
	d) It helps to beat co		11		
	a) it neda to pentien	STORE			

22. People Centered Design methodology involves,

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

 A problem-solving approach which is abstract and Results in making people by products.

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
- 25. 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.
- 26. 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.
- e) 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
- 28. 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

			10
30.	People centered Design is -		
2	a) How the product believes in the	real context.	
	b) How a product works on the ou	itside where a person comes in	nto contact with it and has
	to use it.	- 53	
	e) All of the above		
		.035	
	d) None of the above	4700	
-	we continue to the complete	Commencement of the second	
31.		Ly Demony Toy Day	ine Pellect
	a) Try, Reflect, Prepare, Define	b) Prepare, Try Def	The Deflect
	e) Try and Reflect	d) Define, Prepare	, ITY, Renect
	The state of the s	29	All The Contract of the Contra
. 32.	Reframing a Design Challenge -		No. of the last of
	a) Changes the Conceptual view p	nomit to an individual perspect	Ive
	b) Helps us come up with the Rig	ht Problem to solve.	
	c) Challenges us to design to a ma	irketing focus	
	d) None of these		
	E. C.	The same	
_ 33.	Which of the following is true?		
52/11/	a) By Empathizing one can defin	ne a Problem Well, Conceive	a creative solution
	resulting in break through inn	ovation.	
	b) Empathy makes you a better h	uman but innovation requires	out of the box thinking
	and not Empathy	and the same of th	
	and not Emparity	mammate and is not really par	of the long-term
	c) Inventions are sudden Eureka	monicins and is not really par	t of the long term
	Research or Exploration.		
	d) You become an innovator by C	Inestioning the status Quo.	
		The state of the s	-
34.	Malini is in the Ideate phase. Wha		
	a) To Come up with one or two g		75
	b) To come up with us many idea	s as possible, good and bad.	Mary State of the
	c) To test his best idea.	179	
	d) To figure out which problem h	e's going to solve	Contract of the last
	6	( ) Y	
35.	During which stage would you	start looking for a alterna	tive ways of viewing the
	problem. 40		
	a) Prototype b) Define	c) Ideate	d) Empathize
	a) maryle of real		
36	Design Thinkers create low-fidely	ity prototypes to:	100000
_ 50.	a) Test concepts quickly and ches	mly with potential users.	
	b) Validate concepts for the mark		
- 1			
	c) Build Production-Ready produ		
	d) Estimate the price of production	on a	
100	Which of the following well kno	the seconding from the office	eine Danies Thirtie
37.		own consuming mines are one	ring Design Thinking as a
	solution?	L) DCC	
	a) McKinsey & Co.	b) BCG	
	c) Bain & Co.	d) All of above	
	The state of the s	and process of agreement of the contract	10 a 42 W 1 2 W 1 2 W
38.			
	a) Impactful b) Incapac	itating c) Intentional	d) Iterative
	Commence of the commence of th		

_ 39	<ul> <li>Which of the following is NOT part of the a) Grouping Related concepts together</li> <li>c) Deliberating</li> </ul>		b) Identifying selection criteria d) Prototyping	
_ 40.	Robert researches :	statistics about the av	rerage age of school dre	opouts. Which stage is he
	a) Empathize c) Ideate		b) Define problem d) Prototype	statement
41.	What is your First t	nodel/design of a pro-	duct called?	
	a) Draft	b) Rough Draft	c) Prototype	d) Practice Design
42.	The final step in the	Design process is to		
	a) Test	b) Define	c) Ideate	d) Empathize
- 43.	was I	DEO's first expression	n of design thinking.	
	a) Deep-Design	b) Deep-Dive	c) Deep-Structure	d) Study-Dive
- 44.	Frank Robinson det	ined and coined the to	erm.	
	a) Design thinking	b) Mind mapping	c) MVP	d) Hypothesis
1443	b) Air BnB avoided c) Google has a 3 ste d) All of the above a	p process to bring ab re correct	d profitable using Designout new innovation	gn Thinking
_ 46.	At what step do you a) Empathy	want to complete the b) Prototype	POV-Point Of View? c) Define	d) Ideate
47.	The initial design to	Ain	6 D4	F. C.
-36	The initial design bri a) Designer	b) User	e c) Both of them	d) Client
48.	What Change &	4	7	
40*	a) Interaction Design	Experience Design	would the design strate	gy fall under,
	c) User Research	(3)	b) Experience strate	
	v) osci mocarcii	20	d) Information Arch	itecture
	When testing a new p detect the main usabi a) The more Persona	illy issues?		interview per Persona to
3	c) 10 Persons per Per	rsona	b) 20 Persons per Pe	rsona
		- 50	d) Five Persons per l	rersona
1	Readiness of the orga a) Changing innovation b) Ready for the change c) Ready for change	on process in the organization	anization n	
	i) All of the above	sagranatics of	one organization	

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

# ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡ

(COMMON TO ALL BRANCHES)

Time: I hrs.]

[Max. Marks: 50

D) ರಾವಣಗರ.

#### ಸೂಚನೆಗಳು

1. ಎಲ್ಲ ೩೦ ಪ್ರಶ್ನೆಗಳಿಗೂ ಉತ್ತರಿಸಿರಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ ಒಂದು ಅಂಕ.

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

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

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

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

1.	1800 ರಲ್ಲಿ ಬಳ್ಳಾರಿ ಜೀ	ರಿಯ ಕಲಕರ್ ಆಗಿದ್ದ	d)	
1754	A) &&	B) ස්වේශ්	C) ಸರ್ ಧಾಮಸ್ ಮನ್ರೋ	D) පරිකාරි.
2.	ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಲಿ	ಪಿಗಳ ರಾಣಿ ಎಂದು ಕ	ರದವರು	
	A) ಆಕ್ಕಮಹಾದೇವಿ	B) ತ್ರಿವೇಣಿ	C) ಜನವದಸ್ತ್ರೀ	D) ವಿನೋಭಾ ಭಾವೆ.
3.	ಕನ್ನಡ ನಾಡಿನ ಜನತ	ಯನ್ನು ವರ್ಷಿಸಿರುವ ಗ್ರ	оф	
	A) r/8	B) ಸಖಗೀತ	C) 8d	D) ಕವಿರಾಜಮಾರ್ಗ.
4.	ವಿದ್ಯಾವರ್ಧಕ ಸಂಘನ	್ರ ಎಲ್ಲಿ ಸ್ಥಾಪನೆಯಾಯಿ	ತು?	

Ver-A 1 of 6

C) ಹರಿಹರ

B) ಹುಬ್ಬಳ್ಳ

A) ಧಾರವಾದ

5.	ಜನನದ ಸಾಹಿತ್ಯದ	ಪ್ರಕಾರಗಳು	- 00	
	A) ಕವನ	- Maran Iva	B) ಕ್ರಾದೆಂಬರಿ	
	STATE OF THE PARTY	, ಒಡವು, ಭಾವಗೀಶ	D) ಟಿಕ್ರಗೇಶ.	
	C) Well, with	, wag, was no		
6.	ನಗುವು ಸಹಜದ ದ	ರ್ಮ, ನಗಸುವುದು		.63
	A) ಧರ್ಮ	B) ಅಥರ್ಮ	C) abelg	D) ಪರಥರ್ಮ.
	717 100001	36	3	
-			del authority artistal	
7.			ನದ ಮಗಿಯೊಂದು ಇರುವಾಸಿ C) ಬಳಗಾರ್ತಿ	D) ಮುದುಕಿ.
	A) ಅಗಸಗಿತ್ತ	B) ಕುಂಬಾರಕಿ	CIMALINGE	15,000000
		200		
8.	ಹೊತ್ತು ಕಣಕಣದಿ ಕ	ಮಣ್ಣಸುಗದ್ದರಿರುವಗಳು ಕಟ	್ವಿದಗೂಡಿಗೆ ಸೇರುವುದು	
	A) No	B) fleari	೯) ಗುಬ್ಬ	D) ಸರ್ವ.
	200	belle manual		
9.	க்ஷை கூடுவயு	ಬೇಡ ಇಟು ಹಂಗಿಸಬೇಡ,	ಎಪ್ಪುಂಡರೆಂದು ಅಸಭೇಡ.	ಈ ಮೂರು ಮುಟ್ಟಾವು
	ಸದರೀಗಿ.	15	AND	*
	A) ಬೃಹ್ಮನ	B)	C) ಮಹೇಶ್ವರನ	D) ಶಿವನ
	7) 2000		G.	No.
		01	a a disamination of	2
10.	20		ನೆಯ ರಚನಕಾರರು	D) ಪುರಂದರದಾಸರು.
	A) ಶರಣರು	B) ವಚನಕಾರರು	C) ಕನಕದಾಸರು	D) ajjoodoosadu.
	6	23		
11	ababah masan	ಗ ಕುಡತ ನಗುನು <u>ಂಬು</u> ಕ	ುಚಿತವಲ್ಲ ಅದು ಎಲ್ಲಾ	ಯ ಮೊತ.
11-	20	The second second	C) බජුම	D) ಸಂಪತ್ತು.
	A) 663	B) స్క్రికర్శతి	( a) a)	
		9 0	The state of the s	
12.	ಗೋಪಣ ಮಾಸರ	ರ ಮಗನ ಹಸರೇನು	7	
	A) ಕರೀಂಖಾನ್	B) ಪ್ರಹ್ಲಾದ	C) ರಾಮು	D) ಶಿವಪ್ರಸಾದ.
		8		
		CONTRACT IN		
13.	ಕಾಸಿಂಸಾಬರ ಮ	ಗಳ ಹೆಸರು		
	A) ರುಕ್ಕಿಣಿ	B) deare	C) ರಾಧಾ	D) යාංසිඨ.
	- 11			
	1000		CONTRACTOR OF THE PROPERTY OF	

Ver-A 2 of 6

14		antella et a motern et en vielet.	ನ್ನು ಕರದಿದ್ದು ಹಿಲ್	
14.			C) but straint	D) ಮುದುಕ. i
	A) 393	B) medo	Charles State	
15.	ಕನಕವಾಸರ ಅಂಕಿಕ	ತನಾಮ		
	A) ಶನಕಪ್ಪ		B) ದಾಸ	Sant Harry
	C) ತಿಮ್ಮಪ್ಪನಾಯಕ	Cont.	D) ಕಾಗಿನಲೆ ಅದಿಕೇಶಕ	ಕರಾಯ.
16.	ಅರ್ಥಿಕವಾಗಿ ಹಾಗು	ಸಾಮಾಜಿಕವಾಹಿ ಕೆಳಸ್ತರ	ದಲ್ಲಿರುವ ವ್ಯಕ್ತಿಗಳು ಉಳಿಸಿಕ	ಟಾಂದು ಬಂದಿರುವ
		ಿಲ್ಲಗಳ ತಿರುಳಾಗಿರುವ ಕ		
		1 M1/4	(C) ನಾಗರಹಾವು	D) ಯುಗಾದಿ
17				
1.54	ಕಳವೆ ಪದದೆ ಅರ್ಥ		C) 09A	D) ಜೋಳ.
	A) ಚೀಲ	B) 66	0,000	-
		18600	9	
18.	The state of the s		ರ್ಯದ ಸಂಕೇತಿಕವಾಗಿ ನಿಲ್ಲಿ	
	A) ಶಾಸನ	B) ಗಡಿಕಲ್ಲು	C) ಶಿಲಾಶಾಸನ	D) Deorica
		Tomosal of		
19.	ಕುರುದ ಕಣ್ಣು ಕಾಣ	ಲರಿಯದೆ ಬಯ್ದದ		200
	A) 80	B) ಕಣ್ಣ	C) ಕನ್ನಡಿ	D) ದೇವರು.
20.	ಕೂಲ ಕಂಬಳಿಯವ	ರ ಪಾಲಿನ ಮೈದೊಗಲ ಧ	ಾಳಿಯ ಹಡೆಯೊಳ!	hele.
	A) ಕುಂಕುಮ	B) ಭಂಡಾರ	C) eomad	D) ಶ್ರಮ.
21.	wheren's stranta	ಮನೆಗೆ ಆಗು.		
-	A) ಮಲ್ಲಿಗೆ	B) each	C) සමේ	D) zioåri
	Α, ως.	5,500.	-,	17,
22	10000	2		THE REAL PROPERTY.
Laker		ಗಾಲ ಬಂದಿರುವುದು		
	A) 200	B) ಕೌರವರು	C) ರಾಮ	D) ಮಂತ್ರಿ.
			WALLES THE STATE OF THE STATE O	

23.	ಕನ್ನಡಕ್ಕೆ ಪ್ರಥಮ ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ತಂದು ಅ	ಕೊಟ್ಟವರು	
	A) ಮಾನ್ರೆ ವೆಂಕಟೇಶ ಅಯ್ಯಂಗಾರ	B) ಶಿವರಾಮ ಕಾರಂಶ	
	C) ජාත්ංකු	D) ಜಿ. ಎಸ್. ಶಿವರುದ್ರಪ್ಪ	
24		nu har	
24.	ಧರ್ಮ ನಹಿದ್ದವೆ ಬಗ್ಗೆ ಹೇಳುವ ಶಾಸನ ಇದಾ	The state of the s	1
	A) ಶೃವಣಬೆಳಗೊಳದ ಶಾಸನ	B) ಪರ್ಮಿಡಿಕಾಸನ	
	C) ಚಂದ್ರವಳ್ಳಿ ಕಾಸನ	D) ಬೇಲೂರು ಶಾಸನ.	
25.	ನವಿಲಿಗೆ ಬರೆದದರು ಯಾರು?	o'	
	A) ಕಣ್ಣ B) ಕಿವಿ	C) 48	D) 135.
	35	A Comment	
26.	ಸಹಜಧರ್ಮ.	The same of the sa	
	A) ಕೇಳುವುದು B) ಹೇಳುವುದು	C) ಅಳುವುದು	D) ನಗುವುದು
	4" 4	57	
27.	ಯಾವ ಆವಿಗೆಯನ್ನು ಕುಂಬಾರಕ್ತಿ ಮುಚ್ಚುವಳು	1218	9
	A) righ B) essed	C) rbs	D) ಛಕ್ಷ
	The second second	257	
28.	ಕರ್ನಾಟಕ ಸಂಗೀತದ ಶಿತಾಮಹ ಯಾರು	12, 3	
	A) ಆಲೂರು ವೆಂಕಟರಾಯರು	B) ಕನಕದಾಸರು	
	C) ಪುರಂದಠದಾಸರು	D) ಹರಿದಾಸರು.	
	- SV	400	
29:	ಯಾರ ಎಲುಬನ್ನು ಕಾಂಚಾಣ ಕರುಗಜ್ಜೆಯಾಗಿ	ನ್ನೂಡಿಕೊಂಡಿದೆ 7	
-	A) ಮಕ್ಕಳು B) ಮುದುಕರು		೧) ಬಾಣಂತಿ.
	7,000	A CONTRACTOR OF	
	The St.		
30,	ಹೊಸ ಚಿಗುರು ಕೂಡಿರಲು ಮರಸೂ	eurti.	
	A) ಎಲೆ B) ಹಸಿರು	C) ಕಾಂಡ D	)) ಹಳೇಬೇರು.
	19		
31.	ತೇಲಾಡುವ ಮೇಘಗಳ ಮದ್ಯ ಇರುವುದರಿಂದೇ	The second secon	ರಿದೆ."
	A) ಸಹ್ಯಾದ್ರಿ 💮 B) ಕುಣಬಿ	C) ಪರ್ವತ I	ರ) ಮೆಗಾನ.

32.	ಹಾಸನದ ಬಯಲು	ಸೀಮೆಯಿಂದ ಆಕಸ್ಮಾತ್ತಾಗಿ	ಮಗಾನ ಸೇರಿರುವವರು,—	
		B) Predeb	C) ಲಕ್ಷ್ಮಮ	D)ಮಾರಮ್ಮ.
			35	
33.	ಸಂಗೀತಪುರವು ಈ	ಹಿಂದೆ ಯಾರ ಉರಾಗಿತ್ತು?		25
	A) ಕ್ರಿಸ್ತರು	B) &ockertsb	೦) ಚೈನರು	D) ಕಾಡಿನ ಜನರ
34.	ಮನುಕುಲದ ಚರಿತ	ಯಲ್ಲಿ ಮಹಿಳೆಯರ ಕೈಕಸುಸ	ಸಾಗಿ ಅರಂಭವಾದ ಕಲೆಯೇ	
	A) ಉದ್ಯಮ	B) ಗೃಹೋಪಯಾಗಿ	C) ಕರಕುಶಲ ಕಲೆ.	D) ಕರ.
		35	54	
35.	ಸರ್ವರಿಗೂ ಸಮಹ	ಂಬ, ಸರ್ವರಿಗೂ ಸಮಬಾಳ	ು ಇದು ದ ವಾಣಿ.	
	A) ಕಲಿಯುಗ	B) ಶೈತಾಯುಗ	C) ನವಯುಗ	D) ಕಿರಾಯುಗ.
	1	ation bongs	Constitution of the last	
36.	ಹೋಳಿ ಸಿಗ್ಮಾನತ	Fನ, ಕೋಲಪದ, ಗಮ <b>ೆ</b> ಪ	ದಗಳ ರಸದೌತಣ ಇವು ಕುಣ	ಬಿಯವರ
	A) abrabristi	B) ಹಾಡುಗಳು	C) ಅಭರಣಗಳು	D) ನೃತ್ಯಗಳು.
		- 54	6	420
37.	ಬಟೆಯ ಮೇಲಿನ ಕ	ಯಿದ್ರಣಕಲೆಗೆ ಮೂಲ ನೆಲೆಯ	ಾಥ ದೇಶ	
	555	( B) පඩුත	4 10 1011 10000	D) ಇಂಗ್ಲೆಂಡ್.
	Marin Street	0	200	
38.	ಸತ. ತನ ಸತ್ಯತೇ	ಯಿಂದಲೇ ಪ್ರಭಾವ <b>ಶಾಲಿಯಾ</b>	ಗಬಲ್ಲದೆಂಬುದು ವಿಶ್ವೇಶ್ವರಯ	್ಯನವರ
		B) ವಿಶ್ವಾಸ	C) ಧರ್ಮ	D) ನಂಬಿಕೆ.
	100	last the same	A Paracella	
39.	"ದುಡಿದವನಿಗೆ ಪ್ರತಿ	ತಿಫಲ ದೊರೆಯಲೇಬೇಕು; ಎ	ංಬ ඡඡ්	
	A) ಗಾಂಧೀಜಿಯವ	ರದು	B) ನೆಹರುರವರದು	
	C) ವಿಶ್ವೇಶ್ವರಯ್ಯಾ	ನವರದು 	D) ಕುವೆಂಪುರವರದು.	THE STREET AND
40.	ಕನ್ನಡ ಸಂಸ್ಕೃತಿ ಕ	h ರೀತಿಯಾಗಿದೆ.		054 PA E
	A) ಬಹುರೂಪಿಯ		B) ವರ್ಣರಂಜಿತವಾಗಿದ	f
	C) ಜೀವಂತವಾಗಿ(	5	D) ಮೇಲಿನ ಎಲ್ಲವೂ.	400 FE 1
	2%			

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41.	ಕನ ದಕ್ಕೆ ಅಪರೂಪಕ	ತ ನಿಘಂಟನ್ನು ರಚಿಸಿಕೊ	ಟ್ಟ ಜರ್ಮನ್ ದೇಶದ ಕವಿ	
	A) ಕಿಟಲ್	B) ಅಂಟೋನ		D) ಮೆಕಾಲೆ.
42	newstart returnmentals	ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಏನ	forth stock 2017	**
75.44				D) ಶಾಸ್ತ್ರೀಯ ಭಾಷೆ.
	A) 03	B) ಮಾತ್ಯಭಾಷ	() පස්මජ භෘෂ්	ப) தக்கும் கண்
43.	ಯುಗಾದಿ ಕಥೆಯಲ್ಲೀ	ರುವ ಪ್ರಹ್ತಾದ	ಇಂಜಿನಿಯರ್.	200
	A) ಹಾರ್ಡ್ ವೇರ್ ಇ	ಂಚಿನಿಯರ್	B) ಸಿವೀಕ್ ಇಂಜಿನಿಯರ್	Consessed to the
	C) ಸಾಫ್ಟವೇರ್ ಇಂ	ಕಿನಿಯರ್ 🥎	D) ಮೆಕ್ಯಾನಿಕಲ್ ಇಂಜಿನ	ರಿಯರ್.
44.	ಮೊದಲ ಬಾರಿ ಜೋ	ಗ ಜಲಹಾತ ಕಂದು ವೀ	ಶ್ವೇಶ್ವರಯ್ಯ ಅವರು ಉದ್ದರಿಸಿದ್ದು -	······
			B) ಎಷ್ಟೊಂದು ಭೀಕರವಾಗಿದೆ.	
			D) प्रवास्त्र संबंधित राजरं प	
45	atord skelote sta	ಗಿಗೆ ಅವಬಹೆ ವಾಗಿ ಅ	ವತಾರ ಪುರುಷನಾಗೆ ಕಾಣಿಸಿಕೊಂ	ಂಡವರು
	200	55 5 46	B) ಸರ್. ಎಂ. ವಿಶ್ವೇಶ್ವರಯ್ಯ	
	A) ಎ.ಎನ್. ಮೂತಿ	(000)		
	C) ಕಂಬಾರ	4	D) ಕುವೆಂಪು	0 .
46.	ಗೋಪಣ್ಣ ಮಾಸ್ತರರ	ಆತ್ಮಿಯ ಗಳಯ	50	200
	A) ಕಾಸಿಂಸಾಬರು	B) ನರಸಿಂಹಕ	ಗೂರ್ತಿ (C) ಪ್ರಹ್ತಾದ	D) ಬ್ರಾಹ್ಮಣ.
		Q.	12	
47.	ರಸಭುಷಿ ಎಂದು ಕರ	ತಿಯಲ್ಪಡುವ ಕವಿ	the state of	
	A) පිඨස්	B) ಕುವಂಪು	C) ಜಿ.ಎಸ್ ಶಿವರುದ್ರಪ್ಪ	D) ಗೋವಿಂದ ಪೈ
40		ಯನ್ನು ರಚಿಸಿದವರು	7	
40.	And the second	1 M		
3	A) ಪಂಪ	B) Godon	್ರಹಲ್ಮಿಡಿ ಶಾಸನ	D) ಕಾವ್ಯ.
49.	ಕುಣಬಿ ಜನಾಂಗಥನ	ರು ಮೂಲತ: ಯಾವ ರ	ರಾಜ್ಯದ ಹಿನ್ನಲೆ ಹೊಂದಿದ್ದಾರೆ.	
	A) ಮಧ್ಯಪ್ರದೇಶ	B) ರಾಜಸ್ಥಾಸ್	C) ಆಂಧ್ರಪ್ರದೇಶ	D) riseas.
		Q	30 20 MM	
50.	ಭಾರತದಲ್ಲಿ ಬಟ್ಟೆಗಳ	ಕಯಾರಿಕೆಗೆ ಬೇರೆ ಬೆ	ೀರೆ ಬಣ್ಣಗಳನ್ನು ನೀಡುವ ಸುಮಾಣ	db
	A) 300	B) 2500	C) 600	D) 200.
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BKSKK107

Onestion Paper Version: B

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

## ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡ

	(common	* 41.544	-	
Time: 1 hrs.]				

ಪೂಚನೆಗಳು -

[Max. Marks: 50

1. ಎಲ್ಲ ೩೦ ಪ್ರವೇಗಳಿಗೂ ಉತ್ಪರಿಸಿರಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಗೆ ಒಂದು ಅಂಕ. 2. ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ಯು.ಎಸ್.ಎನ್ ಸಂಖ್ಯೆ ಹಾಗೂ ಪಶ್ನೆ ಪತ್ರಿಕೆಯ

ಶ್ರೇಣಿಯನ್ನು ಅಂದರೆ A, B, C ಅಥವಾ D ಯನ್ನು ತಪ್ಪಿಲ್ಲದಂತೆ ಕಡ್ಡಾಯವಾಗಿ

ಗುರುತಿಸುವುದು ಅಭ್ಯರ್ಥಿಯ ಜವಾಬ್ದಾರಿಯಾಗಿರುತ್ತದೆ.

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

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

- 5. ಎಲ್ಲಾ ಉತ್ತರಗಳನ್ನು ನಿಮಗೆ ಒದಗಿಸಲಾದ ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯ ಹಾಳೆಯ ಮೇಲೆ ಕಮ್ಮ ಅಥವಾ ನೀಲಿ ಶಾಹಿಯ ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ಸಿನಿಂದ ಗುರುತು ಮಾಡಬೇಕು.
- ಕನ್ನಡಕ್ಕೆ ಅಪರೂಪದ ನಿಘಂಟನ್ನು ರಚಿಸಿಕೊಟ್ಟ ಜರ್ಮನ್ ದೇಶದ ಕವಿ --

A) ಕಿಟಲ್ B) ಅಂಟೋನಿ

D) ಮಕಾಲೆ.

ಭಾರತ ಸರ್ಕಾರವು ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಏನೆಂದು ಘೋಷಿಸಿದೆ?

A) 02

B) ಮಾತ್ರಭಾಷೆ

C) ಅಡಳಿತ ಭಾಷೆ D) ಶಾಸ್ತ್ರೀಯ ಭಾಷೆ

ಯುಗಾರಿ ಕಥೆಯಲ್ಲಿರುವ ಪ್ರಹ್ನಾದ ------ ಇಂಜಿನಿಯರ್.

A) ಹಾರ್ಡ್ ವೇರ್ ಇಂಜಿನಿಯರ್

B) ಸಿವಿಲ್ ಇಂಜಿನಿಯರ್

C) ಸಾಫ್ರವೇರ್ ಇಂಜಿನಿಯರ್

D) ಮಕ್ಕಾನಿಕಲ್ ಇಂಜಿನಿಯರ್

4. ಮೊದಲ ಬಾರಿ ಜೋಗ ಜಲವಾತ ಕಂಡು ವಿಶ್ವೇಶ್ವರಯ್ಯ ಅವರು ಉದ್ದರಿಸಿದ್ದು -

A) ಎಷ್ಟಾಂದು ಶಕ್ತಿ ಫೋಲಾಗುತ್ತಿದೆ.

B) ಎಷ್ಟೊಂದು ಭೀಕರವಾಗಿದೆ.

C) ಎಷ್ಟೊಂದು ಗಲೀವಾಗಿದೆ

D) ಇದನ್ನು ನೋಡಿದ ನಾನೇ ಧನ್ಯ.

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5.	ಮಂಡ,ಜಿಲೆಯ ಜನ	ರಿಗೆ ಅನ್ನಬ್ರಹ್ಮನಾಗಿ ಆ	ತತಾರ ಪುರುಷವಾಗ ಕಾಡಿಸಿಕೊಂ	ದವರು
	A) ಎ.ಎನ್. ಮೂತಿ		B) ಸರ್. ಎಂ. ವಿಶ್ವೇಶ್ವರಯ್ಯ	
	C) ಕಂಬಾರ		D) ಶುವಂಪು	
6.		ಅತ್ಯಿಯ ಗಳಯ		3
	A) ಕಾಸಿಂಪಾಬರು	B) ನರಸಿಂಹದ	103೯ C) ಪ್ರಹ್ಲಾದ	D) ಬ್ರಾಹ್ಮವ
7.	ರಸಮತಿ ಎಂದು ಕರ	්ගාද යාස ජඨ		
	A) 838	8) ಕುವೆಂಪು	C) ಜಿ.ಎಸ್. ಶಿವರುದ್ರಪ್ಪ	D) ಗೋವಿಂದ ಪೈ
8.	ಕಬ್ಬಿಗರ ಕಾವ್ಯ ಕೃತೀ	ಯನ್ನು ರಚಿಸಿದವರು		
	A) ವಂದ	B) ಅಂಡಯ್ಯ	C) ಹ <b>್ಮಿ</b> ಡಿ ಶಾಸನ	D) ಕಾವೈ.
9.	ಕುಣಬಿ ಜನಾಂಗದವ	ರು ಮೂಲತ. ಯಾವ ರ	ಾಜ್ಯದ ಹಿನ್ನಲೆ ಹೊಂದಿದ್ದಾರೆ.	
	A) ಮಧ್ಯಪ್ರದೇಶ	B) ರಾಜಸ್ಥಾನ್	C) ಆಂಧ್ರಪ್ರದೇಶ	D) ಗೋವಾ.
10.	ಭಾರತದಲ್ಲಿ ಬಚ್ಚೆಗಳ	ತಯಾರಿಕಗೆ ಬೇರೆ ಬೇ	ರ ಬಣ್ಣಗಳನ್ನು ನೀಡುವ ಸುಮಾಂ	is
	A) 300	B) 2500	C) 600	D) 200.
11.	ತೇಲಾಡುವ ಮೇಘಗ	ಳ ಮದ್ಯ ಇರುವುದರಿಂದ	ನಲೇ ಇದಕ್ಕೆ ಎಂಬ ಹೆಸ	ರು ಬಂದಿದೆ.
	A) ಸಕ್ಕಾದ್ರಿ	B) භිකුධ	C) ಪರ್ವತ	D) ಮೆಗಾನ.
12.	ಹಾಸನದ ಬಯಲು ಸ	ೀಮೆಯಿಂದ ಅಕಸ್ಮಾತ್ರಾ	ಗಿ ಮೆಗಾನ ಸೇರಿರುವವರು —	
	A) ಸೀತಮ್ಮ	B) ಗೀತಮ್ಮ	C) ಲಕ್ಷ್ಮಮ	D)ಮಾರಮ <sub>ಕ</sub>
13.	ಸಂಗೀತಪುರವು ಈ	ಕ್ಟಿಂದ ಮಾರ್ ಬಂದ	<u>6</u> 7	
		B) ಹಿಂದೂಗಳು	C) ಜೈನರು	D) ಕಾಡಿನ ಜನರ.
14.	ಮನುಕುಲದ ಚರಿತ್ರ	ಯಲಿ ಮಹಿಳೆಯದ ಕೆ.ಕ	ರುಬಾಗಿ ಆರಂಭವಾದ ಕಲೆಯೇ -	Secretary of
	A) ಉದ್ಯಮ	B) ಗೃಹೋಪಯೋಗಿ		D) ಕಲೆ.
	and the same of th	THE RESERVE OF THE PARTY OF THE	THE RESERVE OF THE PARTY OF THE	W) WW1.

15.	ಸರ್ವರಿಗೂ ಸಮಪಾ	ಲು, ಸರ್ವರಿಗೂ ಸಮಬಾ	ಸಿ ಇದು ದ ಪಾನೆ.	
		B) ತೈತಾಯುಗ		D) bendud.
		No. of the last of		
16.	ಹೋಳಿ, ಸಿಗ್ಮಾನರ್ತ	ನ, ಕೋಲಪದ, ಗಮಚಿ. ಕ	ತದಗಳ ರಸದೌತಣ ಇವು ಕುಂ	ಾಬಿಯವರ
			C) estdarfyb	
17.	ಬರೆಯ ಮೇಲಿನ ನ	ುದ್ರಣಕಲೆಗೆ ಮೂಲ ನಲೆಂ	ರೂದ ದೇಶ	
	The state of the s	The state of the s	C) ಭಾರತ	D) ಇಂಗ್ಲೆಂಡ್.
18.	ಸತ್ಯ ತನ್ನ ಸತ್ಯತೆಯೆ	ುಂದಲೇ ಪ್ರಭಾವಶಾಲಿಯ	ಾಗಬಲ್ಲದೆಂಬುದು ವಿಶ್ವೇಶ್ವರಂ	
	A) åje3	B) ವಿಶ್ವಾಸ	C) ಧರ್ಮ	D) ನಂಬಿಕೆ.
19.	"ದುಡಿದವನಿಗೆ ಪ್ರತಿ	ಶಲ ದೊರೆಯಲೇಬೇಕು ಕ	ාංಬ ඡඡ,	
	A) ಗಾಂಧೀಜಿಯವಳ		B) ನೆಹರುರವರದು	
	C) ವಿಶ್ವೇಶ್ವರಯ್ಯನ	ವರದು <u> </u>	D) ಕುಪಂಪುರವರದು.	
20	ಕನ್ನಡ ಸಂಸ್ಕೃತಿ ಈ	Re2nimBrl		
	A) ಬಹುರೂಪಿಯಾ		B) ವರ್ಣರಂಜಿತವಾಗಿ	d
	C) ಜೀವಂತವಾಗಿದ		D) ಮೇಲಿನ ಎಲ್ಲವೂ.	
			and the same	BELLIUS DO T
21.			ಚಿತಪಲ್ಲ ಅದು ಎಲ್ಲಾ	
	A) ಆಕೃತಿ	B) ಸ್ವೀಕೃತಿ	C) ವಿಕೃತಿ	D) ಸಂಪತ್ತು.
22.	ಗೋಪಣ್ಣ ಮಾಸ್ತರಂ	ರ ಮಗನ ಹೆಸರೇನು	7	
	A) ಕರೀಂಖಾನ್	B) ಪ್ರಹ್ಲಾದ	C) ರಾಮು	D) ಕಿವಪ್ರಸಾದ.
32		at desire		
23,	ಕಾಸಿಂಸಾಬರ ಮಗ		Comm	Diemona
	A) ರುಕ್ಕಿಣೆ	B) deara	C) ರಾಧಾ	D) ಚಾಂದಿನಿ.
			V- D 3-66	

24.	ಅಪಾರ್ಟಮೆಂಡಿನ ಜ	ನರು ಗೋಪಣ್ಣ ಮಾಸ್ತರ	ರನ್ನು ಕರದಿದ್ದು ಹೀಗೆ	
	A) ತಾತ	B) ಮಾಸ್ತರ	C) ಓಲ್ಡ್ ಮ್ಯಾಸ್	D) ಮುದುಕ.
25.	ಕನಕದಾನರ ಅಂಕಿತ	ನಾಮ,		
	A) ಕನಕವ್ಯ		B) සමන්	
	C) ತಿಮ್ಮಪ್ಪನಾಯಕ		D) ಕಾಗಿನಲೆ ಅದಿಕೇಶವರ	eab.
			The state of the	resumpti
26.			ರದಲ್ಲಿರುವ ವ್ಯಕ್ತಿಗಳು ಉಳಿಸಿಕೊಂ	ಂದು ಬಂದಿರುವ
		ಲ್ಯಗಳ ತಿರುಳಾಗಿರುವ		
	A) ಶರವಂಜರ	B) ಚೋಮನದುಡಿ	C) ನಾಗರಹಾವು	D) വ്യന്നമ്.
27.	ಕಳವೆ ಪದದ ಅರ್ಥ-			
	A) ಚೇಟ	B) ಭಶ	C) oah	D) ಜೋಳ.
		dis.		
28.	ಸಮುದಾಯಕ್ಕಾಗಿ ಪ	್ರಣತ್ಯಾಗ ಮಾಡುವ ಶೆ	ಿರ್ಯದ ಸಂಕೇತಿಕವಾಗಿ ನಿಲ್ಲಿಸು	ವ ಕಲ್ಲೇ
	A) ಶಾಸನ			D) ವೀರಗಲ್ಲು
29.	ಕುರುದ ಕಣ್ಣು ಕಾಣಲಕ	ರಿಯದ ಬಯ್ಯರ	<b>ਕੇ</b> )	
	A) 82	B) ප්කූ	C) ಕನ್ನಡಿ	D) ದೇವರು.
	-			
30.	ಕೂಲಿ ಕಂಬಳಿಯವರ	ವಾಲಿನ ಮೈದೂಗಲ ಇ	Media ಹಣೆಯೊಳಗಿತು	9.
	A) ಕುಂಕುಮ		C) ಅಂಗಾರ	D) ಶೃಮ.
	Service C	7 5 5 5 L		SERVICE AND ADDRESS OF THE PARTY OF THE PART
31	1900 do 197 8 8	ಚಲೆಯ ಕಲೆಕ್ಕರ್ ಆಗಿದ್ದಾ	del.	
2.4.5				01-0-0
	A) 8.8	8) 2003	C) ಸರ್ ಥಾಮಸ್ ಮನ್ರೋ	D) ಅಧಿಕಾರ.
32.	said matches 6	ಶಿಗಳ ರಾಣಿ ಎಂದು ಕ	dodd)	
270			C) ಜನಪದಸ್ಪಿಕ	D) Adams
	v) or manner	0) 0,000	c) www.ij.c	D) ವಿನೋಭಾ ಭಾವ

33. ಕನ್ನಡ ನಾಡಿ	ನ ಜನತೆಯನ್ನು ವರ್ಷಸಿರುವ :	nlord	
A) 110	B) atstrest	C) ह्यू	1) ಕವಿರಾಜಮಾರ್ಗ
34. ವಿದ್ಯಾವರ್ಧಕ	ಸಂಘವು ಎಲ್ಲಿ ಸ್ಥಾಪನೆಯಾರು	DISTO?	
A) ಧಾರವಾಸ	් B) ක්වැදි	C) ක්වන්ට	ದಿ) ದಾನಣಗೆರೆ.
35. ಜನಪದ ಸಾಕಿ	ಂತ್ಯದ ಪ್ರಕಾರಗಳು	3	
A) ಕವನ		B) ಕಾದಂಬರಿ	
C) සමුජා ද	ಗಟು, ಒದವು, ಭಾವಗೀತ	D) ಚಿತ್ರಗೇತೆ.	
36. <b>න</b> ෆ්කු න්ස්ස	ದ ಧರ್ಮ, ನೆಗೆಸುವುದು	- D	
	B) ಅಧರ್ಮ	C) क्रांख्	D) ಪರಧರ್ಮ.
37. ಪಸುದೆಯೊಳ್	ಶಿಶುನಾಳಧೀಶನ ಮುಂದೆ ದಾ	್ಯನದ ಮಗಿಯೊಂದು ಇಡುವಾಕಿ	
A) ভারমান্ত্র	B) ಕುಂಬಾರಕಿ	C) ಬಳಗಾರ್ತಿ	D) ಮುದುಕಿ.
38. ಹೊಚ್ಚು ಕಣಕಣ	ದಿ ಮಣ್ಣನುಗದ್ದಲಿರುವಗಳು ಕಣ	್ವಿದಗೂಡಿಗೆ ಸೇರುವುದು	- 3
A) 80	B) ಗೀಜಗ	C) ಗುಬ್ಬಿ	D) ಸರ್ಚ.
99. ಕೊಬ್ಬು ಕುದಿಯ ಸದರೀಗಿ.	ಲುಬೇಡ. ಇಬ್ಬು ಹಂಗಿಸಬೇಡ.	ಎಷ್ಟುಂಡರೆಂದು ಅನಬೇಡ, ಈ	ಮೂರು ಮುಟ್ಟಾವು
A) ಬ್ರಹ್ಮನ	B) ವಿಷ್ಣುವಿನ	C) ಮಹೇಶ್ವರನ	D) ಕಿವನ
0. ತಲ್ಪಡೆಸದಿರು ಕಂ	ಂಡ್ಯ ತಾಳು ಮನವೇ, ಕೀರ್ತನ	lob delateadds	
A) න්රගරා	B) ವಚನಕಾರರು		D) ಪುರಂದರದಾಸರು.
. ಹುಲಾಗು ಬೆಟದೇ	ಡಿ ಮನೆಗೆ eri.		
A) ಮಲ್ಲಿಗೆ		C) සාස්	D) ಸಂಪಿಗೆ.
ಸಿಂಹಾಸನಕೆ ಕೊ	ನೆಗಾಲ ಬಂದಿರುವುದು	and the same of th	
A) wody	B) ಕೌರವರು V	C) ರಾಮ 'cr-B 5 of 6	D) ಮಂತ್ರಿ.

43.	ಕನ್ನಡಕ್ಕೆ ಪ್ರಥಮ :	ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ತಂದು ಕೊ	ಬ್ರವರು		
	A) ಮಾಸ್ತಿ ವೆಂಕ	ಚೇಶ ಅಯ್ಯಂಗಾರ	B) ಕಿವರಾಮ ಕಾರಂತ D) ಜಿ. ಎಸ್. ಕಿವರುದ್ರಪ್ಪ.		
	C) ಕುವೆಂಭು				
44.	ಧರ್ಮ ಸಹಿಷ್ಣತೆ ಬ	ಗ್ಗೆ ಹೇಳುವ ಶಾಸನ ಇದಾಗಿಂ	J		
	A) ಶ್ರವಣಚಳಗೂ	ಳದ ಕಾಸನ	B) ಹಲ್ಮಿಡಿಶಾಸನ		
	C) ಚಂದ್ರವಳ್ಳಿ ಶಾ	ಸನ	D) ಬೇಲೂರು ಶಾಸನ		
45.	ನವಿಲಿಗೆ	ಬರೆದವರು ಯಾರು?			
	A) ಕಣ್ಣ	B) එබ	C) ರಕ್ಕ	D) ಚಿತ್ರ	
46,	ಸಹಜಧ	abr.			
	A) ಕೇಳುವುದು	B) ಹೇಳುವುದು	C) ಅಳುವುದು	D) ನಗುವುದು	
47_	ಯಾವ ಅವಿಗೆಯನ	್ನ ಕುಂಬಾರಕಿ ಮುಚ್ಚುವಳು			
	A) ಗಡಗಿ	B) ಆಚಾರ	C) rbm	D) ಭಕ್ತಿ	
		4			
48.	ಕರ್ನಾಟಕ ಸಂಗೀತ	ದ ಪಿತಾಮಹ ಯಾರು	7		
	A) ಆಲೂರು ವೆಂಕ	ಆರಾಯರು	B) ಕನಕದಾಸರು		
	C) ಪುರಂದರದಾಸ	di Company	D) ಹರಿದಾಸರು.		
49.	ಯಾರ ಎಲುಬನ್ನು ಚ	ಕಾಂಚಾಣ ಕಿರುಗಜ್ಜೆಯಾಗಿ ಪ	ಾಡಿಕೊಂಡಿದೆ ?		
	A) ಮಕ್ಕಳು	B) ಮುದುಕರು	C) ಹೆಂಗಸರು	D) ಬಾಣಂತಿ.	
50.	ಹೊಸ ಚಗುರು	ಕೂಡಿರಲು ಮರಸೊಬ	irts.		
	A) ad	B) ಹಸಿರು	C) ಕಾಂದ	D) ಹಳೇಬೇರು.	

Ver-B 6 of 6

	G3G2 2G4	EIMEI		BKBKKI	07
USN		0	oestion Pa	per Version :	A
	First Semester B.E./B.Tech. Deg	ree Exami	ination, J	an./Feb. 2023	3
	Balake I				
Time	: 1 hr.]			[Max. Marks	: 50
	INSTRUCTIONS	TO THE C	ANDIDA'	res	
L	Answer all the fifty questions, each que	estion carries	one mark.		
2.	Use only Black ball point pen for writ	ting / darkeni	ing the circl	ics.	
3.	For each question, after selecting yo				rele
	corresponding to the same question				
4.	Darkening two circles for the same que				
5.	Damaging/overwriting, using white				ictly
	prohibited.				
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	ion? ddcess others	
	Fill in the blank by translating the giver	English wor	d to Kanna	da.	
2.	We:				
	a) NaaVu	b) Namage	-		
	c) Namma	d) Nimage			
3.	She ±				
-	a) Neenu	b) Avanu			
	c) Naanu	d) Avalu			
4.	This:				
277	a) Adu	b) Alli			
	c) Idu	d) Both a	and b		
5.	Yaaru:				
	a) where	b) who			
	c) what	d) when			
	Complete the following:				
22	24				
6.	Naanu : Nanna : Neenu :				

b) Ninna d) Avara

a) Avala c) Avana

	Additional action of the second	
7.	Amma : Mother ; Tangi :	La triangle
	n) Sister	b) Brother
	c) Father	d) Friend
	Minus Process Millions	
8.	What : Enu ; Where :	b) Hege
	a) Elli	
	c) Eeke	d) Yauru
	The meaning of Vidyarthi in English	
9.	a) School	b) College
	e) Teacher	d) Student
	c) reacher	uy studen.
10.	Choose the correct Kannada Translation	of
****	"Nimma Hesaru eenu?"	
	a) What is your age?	b) What is your name?
	c) What are you doing?	d) What is the college name?
	cy what are you doing.	My Manual American December 2
11.	"Prarthana's book is Blue", Pusthakada I	Banna Yaavudu?
	a) Kappu	b) Billi
	c) Neeli	d) Hasiru
		The second secon
	Note: Match the correct answer using	the table given below for Q.12 to Q.17
	English word	Kannada word
	i - Red	a - Dappa
	ii - Long	b - chikka
	iii - Green	e - gidda
	iv - Thick	d - Kempu
	v - Short	e - udda
	vi - Small	f - Hasiru
220		100000
12.	Meaning of Red	LAL W
	a) i - f	b) i - a
	c) i - d	d)i-b
13.	Maministana	
13.	Meaning of Long	b) ii = b
	a) ii – c c) ii – d	d) ii – e
	C)11-0	u)u-c
14.	Meaning of green	
10000	a) iii - f	b) iii – e
	c) iii – d	d) iii – a
	William Control	2,111
15.	Meaning of Thick	
	a) iv -e	b) iv - b
	c) iv - d	d) iv - a
	400	
16.	Meaning of Short	
	a) v - c	b) v - e
	c) v - d	d) v - f
	The same of the sa	
17.	Meaning of Small	
	a) vi – a	b) vi – e
	c) vi - b	d) vi – d
	20 0 0 0 0	

18.	Avanu Huduga.	
	a) JanNa	b) Vidhyanhi
	c) Kelasa	d) All of these
	ATTENDED TO SECURE OF THE PARTY	The state of the s
19.	Bengaluru Nagam.	
	a) Dodda	b) Bili
	c) Jansti	d) Halti
46		
20.	In Kannada what to say for "Little"	6 to bear
	a) Ishta	b) Jaasti
	c) Swalpa	d) None of these
	Note: Complete the analogy (from	Q.21 to Q.23)
21.	Raaja : Rajanadu :: Akka :	
	a) Akkanadu	b) Akkadu
	c) Akkaninda	d) None of these
	Manage Manager Communication	
22.	Mane : Maneyali :: uuru :	b) uurige
	c) uuralli	d) uurunu
	C) tiurani	d) duminu
23.	Seven : Elu :: Ten :	
	a) Muuru	b) Aaru
	c) Hattu	d) Ondu
	Note : Translate into English for th	ne given Kannada sentences:
-	Name Variable	
24.	Neevu Yaaru?	b) What is your name?
	a) Who are you?	d) Where are you?
	c) Had your dinner?	dy tracte are your
25.	oota aita?	
100000	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.
22	Kannada gotta?	
27.	a) Hove Kannada	b) Kannada is a language
	c) I know Kannada	d) Do you know Kannada
	4911	
28.	Ivaru Nanna Amma.	1 2 01 1 01 4
	a) She is my mother	b) She is my friend
	c) She is my sister	d) None of these
	Note : Fill in the blank choosing th	e right word (Q.29 to Q.33)
20	Granthalaya means	
29.	a) Library	b) Class room
	c) Temple	d) Lab
		o A + 3 of 5

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30.	"Arogya" means	
	a) Shelter	b) House
	c) Wealth	d) Health
31.	"Shubhodaya" means	4494
	a) Good morning	b) Good night
	c) Have a nice day	d) Good evening
22	When declared manner	
32.	"Good night" means a) Shubha Raatri	b) Danyavadagalu
	c) Kshamisi	d) None of these
	C) Espainist	d) None of these
33.	"Ishta Illa" means	
-	a) I will not do	b) I don't like
	c) Both a and b are correct	d) I will do
	C) DOLL I IIII O AIG CONTE	The state of the s
	Note: Choose the appropriate answe	r (Q.No. 34 to Q.No. 36)
200	121 22	
34.	Hogu: Hogona :: Ba:	
	a) Baralla	b) Barona
	c) Hodanu	d) Bandanu
35.	Kalegu + inda : Kalegininda :: Mane	+ inda
33.	a) Maneyalli	b) Manege
	c) Maneyinda	d) Maneyannu
	c) Maneymon	G) Waneyannu
36.	Kudi : Kudiyiri :: Haski :	
	a) Haakona	b) Beku
	c) Hakuvudilla	d) Haakin
37.	"Naanu collegige hogutiddene". Chang	
	a) Naanu collegige Barolla	b) Naanu collegige hogalla
	c) Namma collegige Raje Ide	d) Naanu collegige Hogidde
28		
38.		
	a) Aitu	b) Beda
	(c) Both a and b	d) None of these
	Write the English word for the given	Kannada word
	With the English word for the given	
39.	Tale	
-	a) Neck	b) Head
	c) Leg	d) Hand
	1072	- marriage (
40.	Kaalu	
	a) neck	b) Hand
	c) Leg	d) Head
	The state of the s	
41.	Tarakaari	200
	a) Vegetable	b) Fruit
	c) Banana	d) Milk

Version A -4 of 5

42	2. Habba	
	a) Festival	b) Marriage
	c) Heritage	d) Ritual
43	3. Maga	
	a) Father	b) Mother
	e) Son	d) Daughter
44	- Mane	
	a) Temple	b) House
	c) Hospital	d) Church
	Note: Write Kannada word for	the given English wor
45.	Holiday	
	a) Health	b) Festival
	c) Celeberations	d) Raje
46.	Song	
	a) Kadime	b) Nrutya
	c) Vignana	d) Haadu
	Note: Choose the correct word to	complete the sentene
17.	Ivaru Nanna	
	a) Doddadu	b) Sari Ide
	c) Chikkadu	d) Tande
8.	Nanna Bengaluru.	
	a) ooru	b) Kaalu
	c) ishta	d) Nagu
9.	Nanage Kannada	
	a) Red	b) Gottu
	c) Blue	d) Green
0.	Necnu Baa	-
	a) Anna	b) Akka
	c) Bega	d) Tande
		****

### CBCS SCHEME

BKBKK107

2		-
USN	Question Paper Version: B	
The state of the s		

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

Balake Kannada

Time: 1 hr.]

[Max. Marks: 50

#### INSTRUCTIONS TO THE CANDIDATES

- 1. 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.
- 4. Darkening two circles for the same question makes the answer invalid.
- Damaging/overwriting, using whiteners on the OMR sheets are strictly prohibited.

Note: Choose the correct word to complete the sentence. 1. Ivaru Nanna b) Sari Ide a) Doddadu HTande c) Chikkadu Bengaluru. Nanna b) Kaalu et ooru d) Nagu c) ishta Nanage Kannada br Gottu - Kow 11) Red - Kempu d) Green - having c) Blue - neeli Neenu a) Anna - edu brothe d) Tande - Father \_etticgs \_ quick

Note: Write Kannada word for the given English word.

5.	a) Health - Aaroge c) Celeberations - Anclara Ne	b) Festival — 14-1 d) Raje
6.	Song  a) Kadime - Les  (c) Vienana - Scaue	b) Nrutya – Janu d) Haadu

#### Write the English word for the given Kannada word

7.	Tale	
	Jat Neck- Kellige	_by Head
	c) Leg - kanku	d) Hand - Karyyi
	NERGE	The state of the s
8.	Kaalu	
	a) neck	b) Hand
	w) teg	d) Head
9.	5.50 (0.000)	
-	a) Vegetable	b) Fruit - ha Write
	c) Hanana - boolebeanne.	d) Milk - haalm
10.	Habba	
	a) Festival	K) Mandage A
-	c) Heritage	b) Marriago - madeuse
	er remake	d) Ritual
11.	Maga	
	a) Father - Ta-Je	b) Mother - Tank
1000	et San	b) Mother — Tage d) Daughter — magalu
DO.	STATE OF THE PARTY	- magalu
12.	Mane	
	a) Temple - Securtaina	b) House
	e) Hospital - aspelse	d) Church
**		and the second second
13,		
	a) Naanu collegige Barolla	b) Naanu collegige hogalla
	c) Namma collegige Raje Ide	d) Naanu collegige Hogidde
14.	Had your book first? Choose the and	and the court of the court
17	Had your breakfast? Choose the con	
	c) Both a and b	b) Boda A) None of these orda ayla
	C) DOM II MIC 0	M None of these of the care
	Note: Choose the appropriate ans	wer (O.No. 15 to O.No. 17)
	The state of the s	The Court of the Carter I'll
15.	Hogu: Hogona :: Ba:	
	a) Baralla	b) Barona
	c) Hodanu	d) Bandanu
16.	Kalegu + inda : Kalegininda :: Mar	ie + inda :
	a) Maneyalli	b) Manege _ To home
3	e) Mancyinda	d) Maneyannu
	a a a a a a a a a a	
17.	Kudi : Kudiyiri :: Haaki :	
	a) Hankona	b) Beku - Want
	c) Hakuvudilla	-d) Haakiri
	Note: Fill in the black should at	
	Note: Fill in the blank choosing the	e right word (Q.18 to Q.22)
8.	Granthalaya means	
1	e)Library	b) Class room _ koTTaDi
1	c) Temple _ Jeundana	d) Lab
	A STATE OF THE PARTY OF THE PAR	d) Lab - Lyabu
		The state of the s

19.	"Arogya" means	
	a) Shelter	b) House
	c) Wealth	difficulti
	100000000000000000000000000000000000000	O) Demin
20.	"Shubhodaya" means	
-	-a) Good morning	b) Good night - 54 la faut to
2	c) Have a nice day	d) Good evening
20	Popular Contract and Contract a	No.
21.		
-	a) Shubha Raatri	b) Danyavadagala - Take
	c) Kshamisi	d) None of these
22	"Ishta Illa" means	
	a) I will not do	- 577 don't like
	c) Both a and b are correct	d) I will do
	c) bodi a anti b are contect	d) i wiii do
	Note : Complete the analogy (fro	m Q.23 to Q.25)
23	Ragia : Rajanadu :: Akka :	
	3) Akkanadu	b) Akkadu
-	c) Akkaninda	d) None of these
	- A Thinnian	d) Noire of these
24.	Mane: Maneyali :: uuru:	
	a) uurinind	b) uurige
	e) wimili	d) uurannu
-		
25.	Seven : Elu :: Ten :	4317
	a) Muuru - Tiere	b) Aaru — Si×
-	-e) Hattu	d) Ondu – Que
	Note: Translate into English for	the given Kannada sentences:
26.		A STATE OF THE PARTY OF THE PAR
2	a) Who are you?	b) What is your name?
	c) Had your dinner?	d) Where are you?
27.	oota aita?	
-	a) Had your food?	b) Had your exams?
1	e) Where is oota?	d) How was the food?
	C) White is down.	STORY MEDICE HOUSE
28.	Nanna Hesaru Amar.	
	a) My friend is Amar.	b) My name is Amar.
	c) Amar is my brother.	d) Amar is my friend.
29.	Kannada gotta?	THE PROPERTY OF THE PROPERTY OF THE PARTY OF
	a) I love Kannada	b) Kannada is a language
×	o) I know Kannada	d) Do you know Kannada
30.	Ivaru Nanna Amma,	
30.	at She is my mother	b) She is my friend
1	c) She is my sister	d) None of these

	Avanu Hudu	gn.					
_	n) Jan Na - Clearet				hyarthi		
	c) Kelasa			d) All (	of those		
32.	Bengalum	Nagara			Contract of the Contract of th		
	a) Dodda – bes			5) Bill-	المانية _		
	c) Jaasti - mar			d) Hall	1-011lage		
					To control of		
	in Kannada what to	say for	"Little"				
	a) Ishta — Like				li - more		
-	Swalpa -			d) Non	e of these		
1	Note : Match the co	rrect a	nswer usi	ng the table g	iven below	for Q.34 to	Q.39
			h.word		ada word		
		1	Red	А -	Dappa		
		ii-	Long	6 -	chikka		
		iii -	Green -		gidda		
		iv -	Thick .		Kempu		
		V -	Short	d -	udda		
		vi -	Small	1 -	Hasiru		
34. N	Acaning of Red						
	)i-f			b) i - a			
0	)i-d			d) i - b			
20 1							
	deaning of Long			74 2 10 15 4			
	) ii – c ) ii – d			b) ii = b			
	) II — U			d) ii – e	- 77.75		
36. N	feaning of green.						
	iii-f	9/1		b) iii - c			
	iii-d			d) iii - i			
				3	-		
	feaning of Thick						
	iv-c			b) iy - t			
c)	iv-d			_dTiv-i			
38. M	feaning of Short						
30. IV	v - c	1000		b) v-e			
100000	v-d			d) v - f			
				9 47.1-1			
39. M	leaning of Small						
4)	vi-a	- Telli		b) vi - e	-7-37		
10	vi-b			d) vi - d			
C	omplete the follow	ing					
0. N	sanu : Nanna : Neer	m t					
	Avala	000		- B) Ninna			
4100	Avana			d) Avan			
3	Manager Committee			40,000,000	- Black		
	nma : Mother : Tar	igi:	1				
	Sister			b) Broth	er		
(c)	Father		To The second	d) Friend	d		
19			Ve	mion B -4 of 5			
32 1							

42.	What : Enu ; Where : a) EIII c) Eeke	b) Hege d) Yauru
43.	The meaning of Vidyarthi in English  a) School - Shoole  c) Teacher - adipopula / adhagani	b) College - lema leger
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.	"Pranhana's book is Blue", Pusthakada Bar a) Kappu Thank c) Neeli	na Yaavudu? b) Bili — while d) Hasiru — glace
	Fill in the blank by translating the given	English word to Kannada.
46.	We:a) NaaVu c) Namma_Oux	b) Namage — us d) Nimage
47.	She: a) Neenu c) Naanu	b) Avanu d) Avalu
48.	This:  a) Adu - Play  c) Idu	b) Alli - Hear d) Both a and b
49.	Yanru:a) where - EUC	b) who d) when - Yavinga
50.	Which of the following are the hints for con  a) pronounce the words properly  c) use simple sentences for conversation	b) use plural forms to address others

CENTURAL DISTRICT

First/Second Semester B.E./R. Feeh. Degree Examination, June/July 1023 Question Paper Version : D

Communicative English

(Max. Marke: 50

# INSTRUCTIONS TO THE CANDIDATES

Answer all the fifty questions, each question carries one mark.

Lise unds Black hall point pen for writing i darketting the circles

- corresponding to the same question number on the OMR sheet. For each question, after selecting your answer, darken the appropriate circle
- Darkening two circles for the same question makes the asswer invalid
- Damaging overwriting, using ethicipers on the OMR sheen are streetly

85	27	27.0	#
What Is On tall from of CTO!	What is the full four of RDC?  a) Business to Counter  c) Benk to Convence	What's the mot west is the word ISILINGULAR	Alakam to Sandip will prefer you at her first
h_ChiarTelecom Officer	to Bearings to Community  d) Brand to Consumer	thoughts and the state of the s	Hadrin in Sanda will prefer you (Fill with offered conjunction.)  b) races e) and e) and d/more of these

The cornect command form of "would out "hi" County Individues Office Tack the minimal pair with medial wound affective. Paragraph 19-5 c) wouldn't d) wouldness

Tack the animinal pare with lines sound difference. nonedoutte ti ship-shoot b) thay-they S) Calivers per-sent (2)

the was very food affectocolours (Tack suitable Question Tag) ID WASH I SEED 11 MIG. CHILDIE (S

a) Have you? Have some more cold coffee. (Tied streadle Question Tags) hi Will would you? I Won't you?

Of Chief Technology Operation

a) piil-hit

d) pull-pool

a) Weren't you?

paper, un O

8 Paradison (Tak the word having closest messing.) as radicalous by many control of Fresh

of name of these

Ceal summationalistic of figures from c) spoken and permanent at apolicin in mutationy WALLEY COLUMNICATION AS IL OF stilles could PI WINTER

# which adment is the medium through which a message is sent? an concess Japanne (4) Danmer 2 d) moise

When colleagues of radial share the official even perthargus (4) elicature it is c) honominial

When the communication is in between by Genucial THE PROPERTY OF STREET, ST. IS Personal (5 DESCRIPTION (T)

Ħ

a) to Greenal

Manager providing ages to the scam or CHMINE! a) ventually downwheld RESCHEN CO. number for

is communication, the observation of a receiver response is suffed opaccant (r lit Sedback CLAIMS CT. th thurst I

premissalarm (\* Written deary every day is or example of which communications phaneadaminta Waconitadan (n. d) some personal

The management executates a menuminalism regarding new bonus and recentive schemes pripes (r among all the employees, it is a case of gun sdn (q. putminup (r. d) crimawise

What is the type of communication which takes place within an andividual? v) margeophim p) miniposition Rung@gimmpo () d) exceptional

28. A symparist the city is a form of a outsadray (v. b) dutestraind communication c) radius

d) horizontal

Ogolosce, (Tick the word liaving closest maining.)

22 Mr Challegoop Allanced (Its W/W Smind for MLA Whith article will be suitable to fill this blank" c) The HINDR (H Schulding (p

c) uffluence

子の antiversity. Which article will be sample to till this black? SALL CO d) Nose of the above

24. He did not wast the clothes. Tech the present progressive form if the sentence i) He was not washing the clothes. d) He has not washed the closhes b) He will not be washing the clether

It has been making. Choose the Future indefinite form of the sentence. THE NUMBER OF STREET a) it would will nier that 4 to b) # will have been raining

26	¥	19.	¥	
26. To the sound is necessaria.	The four rises in the flast. Choose the Fature Protect Contrators from of the semants, a) The Sun will have been rising in the Fature.  b) The Sun will have risen to the Fature.  c) The Sun will the mains in the Fature.  d) The Sun will be rusing in the Fature.	17. The jurdener had been watering the plants be two hours. Which is the torne of the sentence?  a) Present Indefinite c) Part Perfect Continuous  d) Present Purfect Continuous	The train waiched at the natiway station. Choose the past perfect form of the actions.  a) The train is reached at the station. b) The train is reaching at the radiway station. c) The train will reach at the radiway station. d) The train mather at the radiway station.	THE NOTION OF THE PARTY OF THE

32	25	30.	29	
It which of the following worth letter P is inclus silent of questioned by predictions of coup	31. In which of the Sollowing words my short letter is pursuit af each c) Post	30. Toward a Birm to breas	29. The sound of persons is a) the	b) The Sun will have risen, by the East c) The Sun will rac in the East d) The Sun will be roung in the East
emat P is marks selection.	noy whent home is pursuif.	Co shoots Co	Stellar Stellar	N E
A) Name of these	d) pdf	d) sheet	40 th	

35	¥	12	
35. Summone is life harrory written by another writer as unions graphy by bigliography of biography	34. Find abstract room in: The thearing was empolited in dudrens: a) Thearing to Durkness c) Both NA B	33. Find collective sour in the sestence : "He was part of the Himsen's at Ne at He et Frim c) Crew at N	distant manufacture same spirit in
dies ()	II) Now of th	d) None of th	of his manual Change

a) None of these

ă

10 Total Common Continues	36. Thenwe who does car before in the existence of Cod.  a) Hereix b) Familie c) Athens
	c) Atherst
	d) Thesis

	-	39.	#
VerB-Jule	40. There my bolidays in Kolkam (Fill with correct yeels)  a) spent b) spend c) spending	39. What is the emphase form of prontum: T."  (a) 1 (b) Ma.	a) Herese h) Telebraher c) Elgrin
	d) spended	d) Myelf	d) Stub

F	41. How many IPAs are there?  4) 44. 6) 21.	92.0
	42. Do not books your wealth j) in i) from	d) from
of the	43. The ship was bound by for India.	1
Ř.	44. Tyrefer test cald dribbs c) then	200
	dig/() description au jum	d) /hip:
	46. This the correct phototic transcription of the word "Indge": a) (d) Ady b) (d) pady c) (a) (b) (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	d) Jaudy
	47. Tech the contest phonesis innoscription of the word "These" a) $\partial t z'$ $\partial t \partial z'$ $\partial t \partial z'$	0.465
	48. Tick the contect phonetic transcripting of the word 'Clease' ii) (ethal) b) /min/ c) /fe/	DARK.
	49. Tick the correct phonesis traductions of the word. To there as at the 2 b) there is a continuous continuou	A)Dochran
2 2	50. Tack the consent plannels announgement of the world "Church" a) 16 3 10 11 a 2 b) 16 v 6 v 2	RBEIVIE
2	12023 TO NO. NO.	
	13.20. Ap. 1.	
	The Man was a series	