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BMATS101

## First Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Mathematics - I for CSE Stream

Time: 3 hrs. Max. Marks: 100

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

2. VTU Formula Hand Book is permitted.

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

	5 1/4	Module - 1	M	L	C
Q.1	a.	With usual notation prove that $tan \phi = r \cdot \frac{d\theta}{dt}$ .	6	L2	CO1
	b.	Find the angle between the curves $r = 6\cos\theta$ and $r = 2(1 + \cos\theta)$ .	7	L2	CO1
	c.	Find the radius of curvature for the Folium of De-Cartes $x^3 + y^3 = 3axy$ at the point $\left(\frac{3a}{2}, \frac{3a}{2}\right)$ on it.	7	L2	CO1
, A.				1. 1. 2.	
Q.2	a.	Show that the curves $r = a(1 + \sin \theta)$ and $r = a(1 - \sin \theta)$ cut each other orthogonally.	8	L2	C01
ili,	b.	Find the pedal equation of $r^n = a(1 + \cos n\theta)$ .	7	L2	CO1
	c.	Using modern mathematical tool, write a program/code to plot the curve sine and cosine curve.	5	L3	CO5
0.2		Module – 2	4	1.14	1 1 1 1
Q.3	а.	Using Maclaurin's series, expand $\sqrt{1 + \sin 2x}$ in powers of x upto the terms $x^4$ .	7	L2	CO1
	b.	If $U = e^{ax + by} f(ax - by)$ , prove that $b \frac{\partial U}{\partial x} + a \frac{\partial U}{\partial y} = 2abU$ .	6	L2	CO1
	c.	Find the extreme values of the function $\sin x + \sin y + \sin(x + y)$ .	7	L3	CO1
into a		OR	h i	120	
Q.4	a.	Evaluate the $\lim_{x\to 0} \left[ \frac{a^x + b^x + c^x + d^x}{4} \right]^{1/x}$ .	8	L2	C01
	b.	If $U = f(2x - 3y, 3y - 4z, 4z - 2x)$ , prove that $\frac{1}{2} \frac{\partial U}{\partial x} + \frac{1}{3} \frac{\partial U}{\partial y} + \frac{1}{4} \frac{\partial U}{\partial z} = 0$ .	7	L2	CO1
	c.	Using modern mathematical tool, write a program/code to evaluate $ \underset{x\to\infty}{\text{Lt}} \left(1 + \frac{1}{x}\right)^x. $	5	L3	CO5
	1	Module – 3	\$		Charles Av
Q.5	a.	Solve $\frac{dy}{dx} + \frac{y}{x} = x^2 y^6$ .	6	L2	CO2
ed.Čt	b.	Find the orthogonal trajectories of the family $r = a(1 + \sin \theta)$ .	7	L3	CO2
	c.	Find the solution of the equation $x^2(y-Px) = P^2y$ by reducing into Clairaut's form using the substitution $X = x^2$ , $Y = y^2$ .	7	L2	CO2
1. 11	A Car	OR	W. Table	1935年	THE STORY

## BMATS101

Q.6	a.	Solve $(8xy - 9y^2)dx + 2(x^2 - 3xy)dy = 0$ .	6	L2	CO2
W.	b.	A voltage $Ee^{-at}$ is applied at $t=0$ to a circuit of inductance L and resistant R. Find the current at any time t given that the current is initially zero when $t=0$ .	7	L3	CO2
101	c.	Solve $x(y')^2 - (2x + 3y)y' + 6y = 0$ .	7	L2	CO2
		Module – 4	17 100	Wildow)	5 1
Q.7	a.	<ul> <li>i) Find the last digit in 7<sup>289</sup>.</li> <li>ii) Find the remainder when 135 × 74 × 48 is divided by 7.</li> </ul>	7	L2	CO3
494	b.	Solve the linear congruence $6x \equiv 15 \pmod{21}$ .	6	L2	CO3
14.	c.	Using Wilson's theorem, show that 4(29)! + 5! is divisible by 31.	7	L2	CO3
12.14	1	COR	35,73	73.4	
Q.8	a.	Solve the set of simultaneous congruences $x \equiv 5 \pmod{3}$ , $x \equiv 2 \pmod{5}$ , $x \equiv 1 \pmod{11}$ .	7	L2	CO3
	b.	Solve $7x + 3y \equiv 10 \pmod{16}$ , $2x + 5y \equiv 9 \pmod{16}$ .	6	L2	CO3
	c.	Show that $2^{340} - 1$ is divisible by 31, using Fermat's little theorem.	7	L2	CO3
de la		Module – 5		1,8	47
Q.9	<b>a.</b>	Find the rank of the matrix  \[ \begin{bmatrix} 1 & 2 & 4 & 3 \\ 2 & 4 & 6 & 8 \\ 4 & 8 & 12 & 16 \\ 1 & 2 & 3 & 4 \end{bmatrix} \]	6	L2	CO4
	b.	Solve the system of equation by using Gauss-Jordan method. x + y + z = 8, $-x - y + 2z = -4$ , $3x + 5y - 7z = -14$	7	L3	CO4
	c.	Using Rayleigh's power method, find the largest eigen value and the corresponding eigen vector of the matrix $A = \begin{bmatrix} 2 & -1 & 0 \\ -1 & 2 & -1 \\ 0 & -1 & 2 \end{bmatrix}$ by taking initial vector as $\begin{bmatrix} 1 & 1 \end{bmatrix}^T$ . Perform 6 iterations.	7	L3	CO4
15,00		OR	316		7.5
Q.10	a.	Solve the system of equation by using Gauss elimination method. x+2y+z=3, $2x+3y+3z=10$ , $3x-y+2z=13$	8	L3	CO4
	b.	Solve the following system of equations by Gauss-Seidal method $20x + y - 2y = 17$ , $3x + 20y - z = -18$ , $2x - 3y + 20z = 25$	7	L3	CO4
	c.	Using modern mathematical tool, write a programme/code to test the consistency of the equation: x + 2y - z = 1, $2x + y + 4z = 2$ , $3x + 3y + 4z = 1$	5	L3	CO5

2 of 2

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BCHES102/202

# First/Second Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Applied Chemistry for CSE Stream

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.

		Module – 1	M	L	C
Q.1	a.	Explain the working principle of conductometric sensors and mention any two applications.	06	L2	CO2
	b.	Discuss the construction and working of Li-ion batteries. Mention its applications.	07	L2	CO4
	c.	Describe the application of Electrochemical gas sensors for the detection of SO <sub>x</sub> and NO <sub>x</sub> .	07	L3	CO3
· W	VA.	OR OR		100	1
Q.2	a.	Explain the working principle of an Electrochemical sensor in the detection of Dissolved Oxygen (DO).	06	L2	CO2
	b.	Discuss the construction and working of Quantum Dot Sensitized Solar Cells (QDSSCs). Mention its applications.	07	L2	CO4
	c.	Describe the use of disposable sensor in the detection of herbicide Glyphosate.	07	L3	CO3
		Module – 2			1000
Q.3	a.	What are memory devices? Explain the classification of Electronic memory devices with examples.	07	L1 L2	CO1
	b.	What are nanomaterials? Explain any four properties of polythiophenes (P <sub>3</sub> HT) suitable for optoelectronic devices.	07	L1 L2	CO1 CO4
The same	c.	Mention any three properties and applications of QLED.	06	L1	CO4
0.4		Explain the types of organic memory. Devices by taking p-type and n-type	07	L2	CO2
Q.4	a.	semiconductor materials.			
	b.	What are photoactive and electroactive materials and explain their working principle in the display system.	07	L2	CO1 CO2
	c.	Mention any 3 properties and applications of LC-displays.	06	L1	CO4
Toronto.	100	Module – 3			
Q.5	a.	Define metallic corrosion. Describe the electrochemical theory of corrosion taking.	07	L1 L2	CO1 CO2
150	b.	Describe galvanizing and mention its applications.	06	L2	CO4
	c.	What is CPR? A thick brass sheet of area 400 inches exposed to moist air. After 2 years of period. It was found to experience a weight loss of 375 g due to corrosion. If the density of brass is 8.73 g/cms, calculate CPR in	07	L2	CO1 CO3
		mpy and mmpy.			
		OR	10=	7.0	COC
Q.6	a.	Explain the construction and working of the Calomel electrode.	07	L2	CO2
	b.	Explain the application of conductometric electrodes in the estimation of a weak acid.	06	L2	CO4
	c.	Define concentration cell. Derive an expression for emf of the cell.	07	L1 L2	CO1

		Module – 4	a Stat		197
100	-				
Q.7	a.	A polydisperse sample of polystyrene is prepared by mixing three	07	L2	CO
	1.	monodisperse samples in the following proportions	1		7
111	17	1 g of 10000 molecular weight. 2 g of 50000 mol. wt and 2 g of 100000		1.00	1
1,5	- 4 <sup>3</sup>	mol.wt. Determine the number and weight average mol. wt.			2.5
1 7	b.	What is Green fuel (hydrogen fuel)? Mention the advantages of Green fuel.	06	L1	CO
V 201	c.	Explain the construction and working of Photovoltaic cells.	07	-	CO
λ,		OR			
Q.8	a.	Discuss the conduction mechanism in polyacetylene through oxidative or	07	L3	CO
		reductive doping techniques (Any one).	7		
	b.	Explain the generation of hydrogen by alkaline water electrolysis.	07	L2	CO
	c.	Explain the preparation, properties and applications of Kevlar.	06		CO
		Module – 5	100		00
Q.9	a.		07	L2	CO
2.5	b.	What is e-waste? Explain the need for e-waste management.	06		CO
		Explain the process of recycling e-waste.	07	-	CO
7.9	c.	Discuss the following:	07	LIS	CO
A 40 1	11.	(i) Pyrometallurgy (ii) Hydrometallurgy			
7.40		OR	0.7	112	CO
Q.10	a.	Explain the extraction of gold from e-waste.	07	L2	CO
	b.	Write a brief note on the role of stakeholders for example: Producers,	07	L3	CO
		Consumers, Statutory bodies.			~-
	c.	Explain the health hazards due to exposure to e-waste.	06	L2	CO
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## CBCS 2022 - SCHEME

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First/Second Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024

# COMPUTER AIDED ENGINEERING DRAWING

Time: 3 Hours

(COMMON TO ALL BRANCHES)

Max.Marks:100

Note: 1. Answer all four full question.

2. Grid sheets may be provided for making preparatory sketches.

A 33	Module – 1	, , , , , , , , , , , , , , , , , , ,
Q. No.	e.d	Marks
1	A regular hexagonal lamina of sides 25 mm is lying in such a way that one of its sides on HP while the side opposite to the side on which it rests is on VP. If the lamina makes 60° to HP, Draw the projections of the lamina.	20
	Module – 2	
	A pentagonal pyramid 25 mm sides of base and 50 mm axis length rests on HP on	1
2	one of its slant triangular faces. Draw the projections of the pyramid when the axis	30
100	appears to be inclined to VP at 45°.	
	Module – 3	
3	A sphere of 60 mm is placed centrally on the top face of a hexagonal prism side-35 mm and height 50 mm. Draw the isometric projection of the combination.	25
42	Module - 4	
1.1 1.1 2.2 2.3 2.3 2.3 3.3 3.3 3.3 3.3 3.3 3.3	A regular pentagonal pyramid of sides of base 35 mm and altitude 65 mm has its	
	base on HP with a side of the base perpendicular to VP. The pyramid is cut by a	
. 4	section plane which is perpendicular to VP and inclined at 30° to HP. The cutting	25
- 5	plane meets the axis of the pyramid at point 30 mm below the vertex. Obtain the	
1 1 1 1 1 1	development for the solid.	

Examiner 1:
Name: Pr-Noveo

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Examiner 2: Name:

Name: Signature: Dr. Manjunathac

## CBCS 2022 – SCHEME

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First/Second Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024

## COMPUTER AIDED ENGINEERING DRAWING

Time: 3 Hours

(COMMON TO ALL BRANCHES)

Max.Marks:100

Note: 1. Answer all four full question.

2. Grid sheets may be provided for making preparatory sketches.

	Module – 1	Marks
Q. No.	A square lamina ABCD of 40 mm side rests on corner A, such that the diagonal AC	Kill Carlotte
1	appears to be at 45° to VP. The two sides AD and AB containing the corner A make equal inclinations with HP. The surface of the lamina makes 30° with HP. Draw its	20
	top and front views.	
	Module – 2	6 A 11
2	A square pyramid 35 mm sides of base and 60 mm axis length on HP on one of its slant triangular faces. Draw the projections of the pyramid when the axis appears to	30
	be inclined to VP at 45°.	
	Module – 3	29 JS 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
3	A regular pentagonal prism of base edge 30 mm and axis 60 mm is mounted centrally over a cylindrical block of 80 mm diameter and 25 mm thick. Draw isometric projection of the combined solids.	25
	Module - 4	100.00
4	A regular pentagonal prism of height 60 mm and base edges 30 mm rests with its base on HP. The vertical face closer to VP is 30° to it. Draw the development of the truncated prism with its truncated surface inclined at 60° to its axis and bisecting it.	25

Examiner 1: Name: Signature: Examiner 2: Name: Signature:

## CBCS 2022 - SCHEME

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First/Second Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024

## COMPUTER AIDED ENGINEERING DRAWING

Time: 3 Hours (COMMON TO ALL BRANCHES)

Note: 1. Answer all four full question.

Max.Marks:100

2. Grid sheets may be provided for making preparatory sketches.

33.88 B	Module – 1	Mark
Q. No.	A hexagonal lamina of sides 25 mm rests on one of its corners on HP. The lamina makes 45° to HP and the diagonal passing through the corner on which it rests is inclined at 30° to VP. Draw its projections.	20
27.74	Module – 2	
2	A pentagonal pyramid 25 mm sides of base and 50 mm axis length rests on HP on one of the comers of the base such that the two base edges containing the corner on which it rests make equal inclinations with HP. Draw the projections of the pyramid when the axis of the pyramid is inclined to HP at 40° and to VP at 30°.	30
	Module – 3	
3	A sphere of 60 mm is placed centrally on the top face of a pentagonal prism side-35 mm and height 50 mm. Draw the isometric projection of the combination.	25
	Modulé - 4	
4	Draw the development of the truncated portion of the lateral faces of a pentagonal prism of 20 mm sides of base and 50 mm axis length with one of its rectangular faces parallel and nearer to VP so as to produce a one piece development. The inclined face of the truncated prism is 30° to its axis and passes through the right extreme corner of the top face of the prism.	25

Examiner 1: Name: Signature: Examiner 2: Name: Signature:

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#### BESCKB104/BESCK104B

## First Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Introduction to Electrical Engineering

Time: 3 hrs.

Max. Marks: 100

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

2. VTU Formula Hand Book is permitted.
3. M: Marks , L: Bloom's level , C: Course outcomes.

	1 0 -	Module – 1	M	L	C
Q.1	a.	Explain nuclear power generation with the help of neat block diagram.	7	L1	CO
	b.	In the circuit shown find the power delivered by the source.  5 1 4 2 2 1 Fig.Q.1(b)	7	L3	CO
T.	c.	State and explain Ohm's law with its limitations.	6	L1	CO2
	-	OR	726		Alternative
Q.2	a.	State and explain Kirchoff's current and voltage laws.	7	L1	CO
	b.	Explain the general structure of electrical power system, using single line diagram.	7	L1	CO1
	c.	Calculate the currents in the network. $ 4^{-2} $ $ 100 $ Fig.Q.2(c)	6	L3	CO2
	670	Module 2	100		
Q.3	a.	Obtain the behavior of voltage, current and power in a pure resistor connected to 1-\$\phi\$ A.C. supply. Draw the voltage, current and power waveforms.	7	L2	CO2
	b.	A current of average value 18.019A is flowing in a circuit to which a voltage of peak value 141.42V is applied. Determine:  i) Impedance in polar form.  ii) rms values of voltage and current.  iii) Power consumed by the circuit.  Assume voltage lags current by 30°.	7	L3	CO2

#### BESCKB104/BESCK104R Define following terms related to sinusoidal waveform of AC parameter: L1 CO1 i) Instantaneous value ii) Amplitude iii) Frequency iv) Time period v) Form factor vi) Peak factor. OR Derive the equation of the power consumed by R-L series circuit. Also Q.4 L3 CO2 draw the waveforms of voltage current and power. A circuit consist of a resistance of $20\Omega$ , an inductance of 0.05H connected L3 CO2in series. A supply voltage of 230V, 50Hz is applied across the circuit. Find the current, P.F. and power consumed by the circuit. Draw the vector What are the advantages of a 3-\phi system over a single phase system? L1 **CO1** Module - 3 0.5 With a neat diagram, explain the construction of D.C. generator. L1 **CO3** A 4 pole lap connected DC generator has 600 armature conductors and run b. at 1200rpm. The generator has total flux of 0.24wb, calculate the emf L3 CO<sub>2</sub> induced. Find the speed at which it should be driven to produce the same emf when wave connected. Derive the torque equation of a D.C. motor. 6 L2 CO<sub>2</sub> OR A 4 pole, 250V series motor has wave connected armature with 1254 Q.6 conductors. The flux per pole is 22mwb, when the motor is taking 50A. The L3 CO<sub>2</sub> armature and series field coil resistances are $0.3\Omega$ and $0.2\Omega$ respectively. Calculate the speed and torque of the motor and also power developed in With usual notations derive an emf equation of D.C. generator. 7 L2 CO<sub>2</sub> Explain the following characteristics of a D.C. shunt motor: L2 CO<sub>2</sub> Torque vs armature current Speed vs armature current. Module - 4 Q.7 Derive the emf equation of a transformer and hence obtain the voltage and current transformation ratios. 6 L<sub>2</sub> CO<sub>2</sub> b. With neat figure explain the construction of two types of rotor of a 3-φ COI L2 induction motor. A 125KVA transformer has a primary voltage of 2000V at 60Hz with 182 CO<sub>2</sub> L3 and 40 turns on primary and secondary respectively. Calculate: secondary emf ii) Full load primary and secondary currents value of flux in the core.

2.8	a.	Explain how a rotation OR			14
		Explain how a rotating magnetic flux is created in the stator of 3-\phi induction motor.		L2	CO2
Á	b.	A 3-φ, 6 pole, 50Hz induction motor has a slip of 3% at full load. Find the synchronous speed, rotor speed and the frequency of rotor current at full load.	7	L3	CO2
	C.	Explain the various losses in a transformer and how to minimize them.	6	L1	CO2
	West.	Module - 5		91	
<b>).9</b>	a.	Explain two way and three way control of lamps with circuit diagram and truth table.	7	L1	CO2
N.	b.	Define "unit" used for consumption of electrical energy and explain the two part tariff with its advantages and disadvantages.	6	L1	CO2
	c.	What is earthing? Explain plate earthing with neat figure.	7	L2	CO4
Trans.	1111	OR	T	112	COS
Q.1	0 a		6	L2	COS
	t	List out the power rating of household appliances including air conditioners, PCs, laptops, printers etc.	7	L2	COS
		Explain casing-capping wiring with neat diagram.	7	L2	CO4

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## First Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Introduction to Mechanical Engineering

Time: 3 hrs.

Max. Marks: 100

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

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

		"That			
	-	Modulé 1	M	L	C
Q.1	a.	Explain the role of mechanical engineering in society.	10	L2	CO1
	b.	Explain the emerging trends and technologies in the following sectors.  i) Manufacturing sector  ii) Automotive sector  iii) Marine sector.	10	L2	CO1
14 1 2 2		OR ST	6 1 1		
Q.2	a.	With a neat sketch, explain the working principle of Hydel power plant.	10	L2	CO1
	b.	Write short notes on.  i) Fossil fuels ii) Bio-fuels.	10	L2	CO1
		Module −2			7 - 3
Q.3	a.	What is lathe? With neat sketch explain the working principle of lathe machine.	6	L2	CO2
	b.	With neat sketches, explain the following lathe operations.  i) Turning operation ii) Knurling operation.	8	L2	CO2
	c.	Differentiate between up milling and down milling.	6	L2	CO2
		OR.		/	111
Q.4	a.	What is CNC? With neat sketches, explain the basic components of CNC.	8	L2	CO2
	b.	List the advantages and disadvantages of CNC.	6	L1	CO2
	c.	List the advantages and disadvantages of 3D printing.	6	L2	CO2
	(Par	Module 34			1
Q.5	a.		10	L2	CO3
	b.	With a neat sketch, explain the working principle of 4-stroke petrol engine along with PV diagram.	10	L2	CO3
	1	OR	ville II.	10	1. 1. 1. 1. 1. 1.
Q.6	a.	What is an electric vehicle? Briefly explain the components of an electric vehicle.	10	L2	CO3
	b.	State the advantages and disadvantages of EVs and hybrid vehicles,	10	L2	CO3

# BESCK104D/BESCKD104

	a.	Write the composition was discussed in the composition was all the composition and the composition and the composition are composition are composition and the composition are composition and the composition are composition and the composition are composition are composition and the composition are composition and composition are composition are composition are composition and composition are composition and composition are composition are composition and composition are composition are composition are composition are composition are composition	97 Ay	. 100	
).7		Write the composition, properties and applications of the following materials.  i) Cast iron  ii) High carbon steel  iii) Alluminium  iv) Copper.	10	L2	CO
	b.	Write short notes on : i) Polymers ii) Shape memory alloys.	10	L2	CO3
1999		OR W			
8. <i>Q</i>	a.		10	L2	CO4
	b.	With neat sketches, explain types of flames used in gas welding process.	5	L2	CO4
	c.	List the applications of welding.	5	L2	CO4
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i Major	Module – 5	100		
Q.9	я.		10	L2	CO5
	b.	With neat sketches, explain four basic robot configurations.	10	L2	CO5
1.00		△OR △♥			- F
Q.10	n.	What is Automation? Explain 3 types of automation.	10	L2	CO5
	b.	Briefly explain characteristics of I.O.T.	10	L2	CO5
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# BPLCK105B/BPLCKB105

## First Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Introduction to Python Programming

Time: 3 hrs.

Max. Marks: 100

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

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

		Module -1	M	L	C
Q.1	a.	List and explain the use of comparison operator in python. Write the step by step execution of the following expression in python. $3/2 * 4 + 3 + (10/4)**3 - 2$	6	L1	CO
	b.	Explain the control statements, if, else, elif with proper syntax and examples.	6	L2	CO
	c.	Develop a python program to calculate the area and circumference of a circle input the value of radius and print the results.	8	L3	CO
	1	OR			
Q.2	a.	Explain the string concatenation and string replication operator with an example.	6	L2	COI
	b.	Explain local and global scope of variable with suitable example.	6	L2	COI
	c.	Develop a program to read the student details Like Name, USN and Marks in three subjects. Display the student details, total marks and percentage with suitable messages.	8	L3	COI
	1.73	Module – 2			1877
Q.3	a.	What is list? Explain the concept of list indexing and slicing with examples.	6	L2	CO2
	b.	With suitable examples, explain the list methods append(), extend(), sort(), count() and pop().	8	L2	CO2
	C	Read N numbers from the console and create a list. Develop a program to print mean, variance and standard deviation with suitable message.	6	L3	CO2
1381				11.7	
2 4 4 4		OR	_	10	000
Q.4	a.	Define tuple data type? List out the difference between tuple and list.	6	L2	CO2
	b.	Identify and explain the dictionary methods like get(), item(), keys() and values () in python with examples.	8	L2	CO2
	c.	Develop a python program to swap two numbers without using Intermediate variables. Prompt the user for input.	6	L2	CO3

BPLCK105R/RPLCK

100		Module – 3		<u> DCI</u>	i state
Q.5	a.	Write the output of the following:  i) 'HeLLo'·upper() · isupper()  ii) 'HeLLo'·upper() · lower()  iii) '' · Join('There can be only one' · split())	6	L2	CO.
	b.	With examples, explain any five string methods.	6	L2	CO
	c.	Develop a python program to count the total number of vowels, consonants in a string.	8	L3	CO:
	1	OR			
Q.6	a.	Make use of the concept of file handling and explain Reading and writing process with suitable python programs.	7	L2	CO:
	b.	Explain the concept of file path, also discuss absolute and relative paths.	7	L2	CO:
	c.	Briefly, explain saving variables with shelve module.	6	L2	CO:
		Module – 4			
Q.7	a.	Explain the following file operations in python with suitable examples.  i) Copying files and folders  ii) Moving files and folders  iii) Permanently deleting files and folders	6	L2	CO3
	b.	List out the benefits of compressing file with zip file module, also explain the concepts of walking a directory free.	8	L2	CO3
	c.	List out the difference between shutil.copy( ) and shutil.copytree( ) methods.	6	L3	CO:
	1 12	OR			4200
Q.8	a.	Briefly explain Assertion and raising a exception.	6	L2	CO3
	b.	Develop a python program with a function named DivExP which takes two parameters a, b and returns a value $C$ ( $C = a/b$ ). Write suitable assertion for $a > 0$ in function DivExP and raise on exception for when $b = 0$ . Program has to read two values from the console and call a function DivExP.	8	L3	CO3
	c.	Briefly explain the difference logging levels.	6	L2	CO3
P. S.	40.4	Module – 5	0	Τ.Δ.	004
Q.9	a.	Define classes and objects in Python. Construct the class called rectangle and initialize it with height = 100, width $\frac{1}{200}$ , starting point as $(x = 0, y = 0)$ and write the method to display the center point coordinates of a rectangle.	8	L2	CO4
	b.	Briefly explain the concept of prototyping and planning.	6	L2	CO4
	c.	Explain Clearlyinit() andstr() method with examples.	6	L2	CO4
0.10		OR  Final circulation that term a bioatto are mutable with an example.	6	L2	CO4
Q.10	a.	Explain the term objects are mutable with an example.  Explain the concept of polymorphism with examples.	8	L2	CO4
	b. c.	Explain briefly pure functions and modifiers with examples.	6	L2	CO4
	1 1	2 of 2			

	GISCS SCHEME
USN	BPWSK106/206
First/S	Question Paper Version: A Second Semester B.F. /B Tools D
	Second Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.20  Professional Writing Skills in English
Time:	1 hr.]
	[Max. Marks: 50
	INSTRUCTIONS TO THE CANDIDATES
1.	Answer all the fifty questions, each question carries one mark.
2.	Use only Black ball point pen for writing / darkening the circles.
3.	For each question after selection
	For each question, after selecting your answer, darken the appropriate circle
4.	corresponding to the same question number on the OMR sheet.
	Darkening two circles for the same question makes the answer invalid.
5.	Damaging/overwriting, using whiteners on the OMR sheets are strictly prohibited.
	Choose the Appropriate Answer from the given options: (Q. No.1 to Q.No.10).
7 <b>1.</b> >	Which of these qualities are important in group discussion?  a) Emotional stability b) Hostility c) Ignorance d) Aggressiveness
2.	The first objective in a group discussion is to:  a) prove your superiority b) acts as a self – appointed a group c) create subgroup d) catch the groups attention
3.	In an interview when you do not know an answer, you should:  a) bluff  b) keep guessing c) admit you do not know the answer d) remain quiet
4.	A summary placed at the beginning of the CV acts as
	a) Synopsis c) Preface b) Statement of Objectives d) Letter of recommendation
5.	The application letter is:  a) a foreword  b) a description of your core strength and suitability for the Job  c) statement of your Job objective
	d) a summary of your qualification and experiences.
6.	The best way to apply for a Job is to submit a resume that is:  a) Self - recommending  b) Suitable for any Job  c) Specifically written for the particular Job  d) Full of personal information.

Which kind of interview includes a process in which the employability of the Job b) screening interview 7. applicant is evaluated? d) behaviour interview a) stress interview c) group interview "Tease" or "Stress" questions are intended to judge: b) the candidate's intelligence quotient a) how the candidate handles them 8. d) the candidates technical skills c) the candidate's stress level The left part of our brain controls d) logic & reasoning c) imagination 9. b) creativity a) emotions When should you arrive for you interview? b) 5 410 minutes after the scheduled time a) at the time it is schedules c) 5-10 minutes before the scheduled time d) go after 10 minutes 11. A panel interview is known as: face to face interview a) panel interview d) telephone interview c) boards interview 12. What are the successful strategies for interviews? a) Personal rapport b) good eye contact c) clear ideal of the key point d) all of the above 13. A precise should be written in person: a) third person c) first person b) second person d) none of the above 14. What are the types of paragraph writing? a) narrative, persuasive b) descriptive c) expository d) all of these 15. Anticipating tone can promote. a) fear b) excitement c) aggression d) none of these 16. If the speaker uses the word, "but", he is making a point of a) Background b) Theme c) Setting d) Conflict Choose the Appropriate Verb (subject verb agreement) that agrees with the subject (Q.No. 17 to Q.No 19) 17. A neon and organge T - shirt chosen by me at the boutique. c) were d) are 18. Everyone in the family been questioned about the theft. a) has b) were d) is c) have 19. Each of the six boys in the class \_\_\_\_ their task. a) was completed

c) have completed

d) has completed

b) were completed

	Select the correct meaning of the underline idioms (Q.No. 20 to Q.No. 22)
20.	He is leaving the Country for good.
20.	a) for better prospects
	Proposition NI MANA MANA ANNA ANNA MANA
	c) for ever d) for other's good
21	
21.	Companies producing a good play to the gallery to boost their sales.
	b) caters to the public taste
	c) attempt to appeal to popular taste d) depend upon the public for approval
22.	It was he who put a spoke in my wheel.
	a) tried to cause an accident b) destroyed the plan
	c) helped in the execution of the plan d) thwarted in the execution of the past
	Choose the appropriate answer from the given options (Q.No. 23 to Q.No. 25)
1 30	: 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
23.	Which of the below statements is correct in the case of the title of the blog post?
	a) it should describe the content b) it should be catchy
	c) it should contain a focus keyword d) all of the above
24.	Creating and publishing video content on a blog is called.
4	a) Vlog b) News c) Media Blog d) All of these
25.	. What are the 4 headings of a memo?
	a) From, date, to, subject b) To, from, date, subject
	c) Subject, to, date, from d) None of these
	Choose the appropriate phrases from the given option to fill in the blanks:
	(Q.No. 26 to Q.No. 28)
	. "You can have my seat. I amat the next stop", said a young girl to me in the
26.	
	local train.  b) getting down c) getting away d) getting up
	a) getting in b) getting down c) getting away d) getting up
25	I all the instructions, still was not happy.
27.	a) carries away b) carried off c) carried on d) carried out
	a) carries away
20	The union has the strike.
20.	a) called of b) called off c) called in d) called into
	Choose the appropriate answer from the given options (Q.No. 29 to Q.No 30)
ALT I	1 - Cthe contange?
29.	
	a) a period
	c) an exclamatory mark d) none of these
	Which of these sentences has the comma in the right place?
30.	
	d) Please get me some eggs milk and, some butter

	Choose the cor Q.No. 32)	rect tenses from the	e given option t	o fill in the b	lanks (Q.No. 31 to
			factories where fi	neir wages wer	e fixed.
31	<ul> <li>Most workers</li> <li>a) is employed</li> </ul>	b) has employed	ed c) were e	mployed d	) was employed
32.	. It in Delh a) rained	i since morning.  b) had been rai	ning c) is raini	ng d	) has been raining
	Read each sente will be one of th Q.No 35)	ence below and find e part of the sentence	out whether the e which are mai	ere is an erroi rked as 1, 2, 3	The error, if any and 4 (Q.No. 33 to
33.	Recently I visited taking (4).  a) 1	d (1) / Singapore a	e) 3	<b>(</b>	to be (3) / breath ~
	<u> </u>				
34.		(1) / shows that the	(2) / death rate $(3)$		
	a) 1	(b) 2	c) 3	<b>d</b> )	1 4
3	7				
35.		yed by (2) / men as	well (3) / as wom		
	a) 1	b) 2	c) 3	d)	4
	Choose the appr	opriate answer from	the given option	n (Q.No. 36 to	Q.No 37)
36.	The executive sur	nmary in technical wi	riting is another A		
50.	a) Cover letter	b) Introduction			6.
	a) Cover letter	o) introduction	c) Discussi	ion a)	All of these
37.	A proposal is a me	edium simed at			
	a) instruction	b) persuasion	c) pre vent	ion (d)	advice
	Choose the appro	priäte answer for t	ne given option (	Q.No. 38 to Q.	No. 40)
38.	They will rebuild	the entire block.			
	a) the entire block	id being rebuilt	b) the blood	k may be rebuil	
	c) the entire block	will have to be rebu	ilt d) the entire	e block will be	rebuilt
39.	The captain said to	his men, "Stand at e	ngo''		
	a) the captain urge	ed his men to stand at	ase .	de la	
	b) the captain wan	ited his men to stand	ease.		
Augus	c) the captain told	his men that they sh	at ease.		
	d) the captain com	manded his men to's	ould stand at ease		
	ouplain con	manded his men to s	tand at ease.	Sayler Friday	
40.	The future of won abilities by rising to	nen in India is quite the occasion, Napol	bright and let us	hope that they	will justify their
	women, we can ed	ucate the whole nation	n Decouse a Co	untry can never	rise without the
	contribution of 50%	of its population.	on, decause a Co	unity can hever	Vision and
	The passage hest si	ipports the statement	that		
	a) India is strivin	ghard for the emanci	nation of women		
	The respectivity	ould be well educated	pation of women		
		progress only when w	omen are given ec	qual rights and o	pportunities as
		to be imparted full fre	edom to prove the	eir worth and co	ntribute to the
	progress of the	Nation.			

# Choose the appropriate answer for the given option (Q.No. 41 to Q.No. 50)

letter?  a) 23/03/2023  b) 23 <sup>rd</sup> March, 2023  c) March 23, 2023	
42. How is a complaint letter gious 1 cm	l) both (b) and (c)
42. How is a complaint letter signed off?	
a) Looking forward to petting and the second	
o) Looking lot wall to betting man	
	d) None of these
43. How should a business letter look like?	
a) It has to be professional and effective by using the template	
b) It should be written with the template	
b) It should be written using east words so that an illiterate can also	understand
of it has to be willen similarly to an informal letter	
d) It should be written brief and short.	
44 3371 -43 - 41	
44. What is the sender's address of this letter?	7 (157)
a) Adidas India Pvt, Ltd. b) M/S Ram Prasad an	d Sons, Rewa (M.P)
c) Senders address not given d) None of these	
45. allows the user to send a file with an e – mail.	
a) draft b) sent c) messenger	d) attachments
46. What is the use of Carbon Copy (CC)?	
recipient are invisible to all of the other recipients of the message	ge in CC
b) recipients are visible to all of the other recipients of the messag	e in the CC.
c) recipients are invisible to only one recipient of the message in t	he CC.
d) None of the above.	
47. Positive gestures are body signals that make you look.	
	d) hurtful
a) allogant	
48. If a speaker winks after saying something it suggests to the audien	ce that the subject is
L'incredible (1 SCINC)	d) true
49. In, a presentation which things play an equal role?	
a) context and voice b) text and font c) time and size	d) sort and intent
50. Which of these is not a step in the listening process?	
a) to stop talking b) receiving c) misinterpreting	d) responding
a) to stop tame B	
****	
마양하는 가장 환경하다 나는 항상 집에 없는 경에 하는 사람들이 아니라 하는 것이 되었다.	
20 B. 19	

	BKSKK107/207
USN	Question Paper Version : A
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First/Se	cond Semester B.E/B.Tech. Degree Examination, Dec.2023/Jan.2024
	지하는 그런 사람들은 경기를 가는 사람들이 되었다. 그는 것이 없는 것이다. 그런 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이다.
	ಸಾಂಸ್ಕೃತಿಕ್ಕಕನ್ನಡ
	(COMMON TO ALL BRANCHES)
Time: 1	hrs.] [Max. Marks: 50
	ಸೂಚನೆಗಳು
1.	ಎಲ್ಲ ೫೦ ಪ್ರಶ್ನೆಗಳಿಗೂ ಉತ್ತರಿಸಿರಿ. 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 ಉತ್ಕರ ಪತ್ರಿಕೆಯಲ್ಲಿ ನಿಗ್ಗದಿಪಡಿಸಿರುವ ಸ್ಥಳದಲ್ಲಿ ಭರ್ತಿಮಾಡದೆ
	ಹಾಗೆಯೇ ಬಿಟ್ಟಲ್ಲಿ ಅಥವಾ ಭರ್ತಿಮಾಡಿದ ಮಾಹಿತಿಯಲ್ಲಿ ಯಾವುದೇ
	ವ್ಯತ್ಯಾಸವಿದ್ದಲ್ಲಿ ಅಂತಹ ಉತ್ತರ ಪತ್ರಿಕೆಗಳನ್ನು ರದ್ದು ಪಡಿಸಲಾಗುವುದು.
4.	
	ಪ್ರಶ್ನೆಗೆ ಎರಡು ಉತ್ತರವನ್ನು ಗುರುತಿಸುವುದು ಅಮಾರ್ನ್ಯ
5.	ಎಲ್ಲಾ ಉತ್ತರಗಳನ್ನು ನಿಮಗೆ, ಒದಗಿಸಲಾದ ಓ,ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯ
	ಹಾಳೆಯ ಮೇಲೆ ಕಪ್ಪು ಅಥವಾ ನೀಲಿ ಶಾಹಿಯ ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್ನಿನಿಂದ
W.	ಗುರುತು ಮಾಡಬೇಕು:
1.	"ಪರಿಸರ, ಪರಂಪರ ಹಾಗೂ ಪ್ರತ್ಯಕ್ಷ ಜೀವನಥ' ಅನೇಕ ಸಂಸ್ಕಾರಗಳ ಮೂಲಕ ಮನುಷ್ಯನ ಅಂತರಂಗ
	ಪಡೆಯುವ ಪರಿಪಕ್ವತ" ಇದನ್ನು ಹಂಪುನಾಗರಾಜಯ್ಯನವರು ಏನೆಂದು ಕರೆದಿದ್ದಾರೆ?
	a) ಸಂಸ್ಕೃತ b) ಆಚರಣೆ c) ಸಮನ್ವಯ d) ಸೌಂದರ್ಯ
•	
2.	ಕ್ಕಳಗಿನವುಗಳಲ್ಲಿ ಅಂಡ್ಡಯ್ಯ ಕವಿಯ ಕಾವ್ಯ ಯಾವುದು?
	a) ಕಾವ್ಯ ಮೀಮಾಂಸ್ b) ಕಬ್ಬಿಗರ ಕಾವ್ಯ
	c) ಕರ್ನಾಟಕ ಗಡವೈಭವ ರಿ. ಪ್ರೀರಾಮಾಯಣ ದರ್ಶನಂ
3.	ರಾಜರಾಜರಲ್ಲಿ ಯುದ್ಧಗಳು ಏಕ್ಷ್ಮನ್ಗಡೆಯಯತ್ತಿದ್ದವು?

b) ಸಾಹಸ ಮನೋವೃತ್ತಿ c) a) ಮತ್ತು b)

Ver-A 1 of 6

c) ಸ್ವಾಭಿಮಾನಿಗಳು

ಕವಿರಾಜ ಮಾರ್ಗದಲ್ಲಿ ಹೇಳಿರುವಂತೆ ಕನ್ನಡಿಗರು ಎಂತಹವರು?

b) ಗುಣಶಾಲಿಗಳು

d) ಯಾವುದು ಅಲ್ಲ

d) ಎಲ್ಲವೂ ಸರಿ

a) ರಾಜ್ಯ ರಕ್ಷಣೆ

a) ಕೀರ್ತಿವಂತರು

	್ಷ ಕನ್ನಡದ ಲೇಖಕರ	ರು ಯಾರು?	
5.	"ನಿಘಂಟು ತಜ್ಞ" ಎಂದು ಹೆಸರಾದ ಕನ್ನಡದ ಲೇಖಕರ	b) ಬಿ.ಎಂ.ಶ್ರೀ	
	a) ಪ್ರೊ.ಜಿ. ವೆಂಕಟಸುಬ್ಬಯ್ಯ	d) ಪ್ರ.ತಿ.ನ	
	c) ಕುವೆಂಪು		<b>A</b>
		7	
6.	"ಕರ್ನಾಟಕ ಗತವೈಭವ" ಕೃತಿಯನ್ನು ರಚಿಸಿದವರು (	ಯಾರು?	
		b) ಆಲೂರು ವೆಂಕಟರಾಯ	ාරා
	a) ಶ್ರೀರಂಗ c) ಮಾಸ್ತಿ ವಂಕಟೇಶ ಅಯ್ಯಂಗಾರ್	d) ಸಿದ್ದಯ್ಯ ಪುರಾಣಿಕ	
	c) ಮಾಸ್ತ ಎಂಕವೀಶ ರಹ್ಯುರಗಣ		
7.	ರಾಯಚೂರಿನಲ್ಲಿ 1955 ರಲ್ಲಿ ನಡೆದ ಕನ್ನಡ ಸಾಹಿತ್ಯ		ω!
	a) ಕೆ. ಎಸ್. ನರಸಿಂಹಸ್ವಾಮಿ	b) ಢ.ರಾ.ಬೇಂದ್ರೆ	
	c) ಶ್ರೀರಂಗ	d) යි.ඨ.සී	
8.	ಕನ್ನಡ ಭಾಷಯನ್ನು ವಿವಿಧ ರೂಪಗಳಲ್ಲಿ ಸುಮಾರು	ಎಪು ಜನರು ಆಡುವುಡಿಯಾ	ಗಿ ಬಳಸುತ್ತಿದ್ದಾರೆ?
0.			
	a) 30	c) 80 ದಶಲಕ್ಷ	d) 60 ದಶಲಕ್ಷ
9.	ವಿನೋಬಾ ಭಾವೆಯವರು ಕನ್ನಡ ಭಾಷೆಯ ಲಿಪಿಯ	ನ್ನು ಏನೆಂದು ಕರೆದಿದ್ದಾರೆ? 🍖	
	a) ಲಿಪಿಗಳ ರಾಣಿ 🔝 ರ್) ಯುವರಾಣಿ 🧷	c) ಯುವರಾಜ 🎺	d) ಲಿಪಿಗಳ ರಾಜ
10.	ಭಾಷಿಯ ಸಮ್ಮತವಾದ ನಿಯಮಗಳನ್ನು ತಿಳಿಸುವ	ಶಾಸ್ತ್ರಕ್ಕೆ ಏನನ್ನುತ್ತಾರೆ?	
	a) ವಿಮರ್ಷಿ b) ವ್ಯಾಕರಣ	c) ನಿಫಂಟು	d) ಕಾಗುಣಿತ
11.	ಶರಣ ಚಳವಳಿಯ ಪ್ರೇರಕ ಶಕ್ತಿ ಯಾರು?		
hu	a) ಬಸವಣ್ಣ b) ಬಿಜ್ಜಳ ಮಹಾರಾಜ	() ಅಲ್ಲಮಪ್ರಭು	d) ಅಕ್ಕಮಹಾದೇವಿ
	0,		
12.	"ರಾಮನಾಥ" ಅಂಕಿತದೊಡನೆ ವಚನಗಳನ್ನು ರಚಿಸಿ	ಸಿದ ವಚನ <del>ಕಾ</del> ರ ಯಾರು?	
	a) ಆಯ್ದಕ್ಕಿ ಮಾರಯ್ಯ b) ಜೇಡರವಾಸಿಮಯ್ಯ		d) ಆಯ್ದಕ್ಕಿ ಲಕ್ಕಮ್ಮ
	, , , , , , , , , , , , , , , , , , , ,	0, - =	2 2 2
13.			
13.	ಅಕ್ಕಮಹಾದೇವಿಯ ವಚನಗಳ ಅಂಕಿತ ಯಾವುದು		ب مورسد د ، ، ، ، ، ، ، ، ، ، ،
	a) ಅಮರೇಶ್ವರ ಲಿಂಗ 🕟 b) ಗುಹೇಶ್ವರ	c) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ	d) ಕೂಡಲಸಂಗಮದೇವ
	A THE STATE OF THE		

14.	ಗುರು, ಲಿಂಗ ಮತ್ತು ಜಂಗ	lಮ ಈ ಮೂರಕ್ಕಿಂತ	ಯಾವುದು ಅತ್ಯಂತ ಶ್ರೇಷ್ಠವೆಂದ	ಮ ಆಯ್ದಕ್ಕಿ ಮಾರಯ್ಯ ತನ್ನ
	ವಚನದಲ್ಲಿ ಹೇಳದ್ದಾರೆ?			
	a) ವಿದ್ಯ	b) ದಾನ	င) ဃဋိ	d) ಕಾಯಕ
1.5			್ರಿ ಎ.ಎ.ಎ. ಈಚಿಸಿದವರು ಯ	ಾರು?
15.	"ಅದರಿಂದೇನು ಫಲ, ಇದ	ರಿಂದೇನು ಫಲ್ ಈ ಕ	ೀರ್ತನೆಯನ್ನು ರಚಿಸಿದವರು ಯ	d) ಗೋಪಾಲದಾಸರು
	a) ಪುರಂದರ ದಾಸರು	b) ವಿಜಯದಾಸರು	() ಕನಕದಾನರು ()	
		a v	5	CANCEL C
16.	ಕನಕದಾಸರ ಆರಾದ್ಯದೈ	ವ ಯಾರು?		المراجعة الم
	a) ಚೆನ್ನಕೇಶವ	b) ಆದಿಕೇಶವ	c) ಸ್ಕೋಮೇಶ್ವರ	d) ಪುರಂದರ ವಿಠಲ
	<b>Q</b>	0		matin Organia
17.	ಹಲವು ಕಾಲ ಕಲ್ಲು ನೀರ	್ಗಳಗಿದ್ದರೆ ನೆನೆದು ಅದ	ು ಆಗುವುದೆ?	Ar Million
		ಿ b) ತಕ್ಷಶಿಲೆ	c) ಅಮೃತಶಿಲೆ	d) ಯಾವುದು ಅಲ್ಲ
	() () () () () () () () () () () () () (	΄, ω		
18	ನವಿಲಿಗೆ ಬರೆದಾ	ನರು ಯಾರು ಎಂದು ಕ	ನಕದಾಸರು ತಮ್ಮ ಕೀರ್ತನೆಯ	ುಲ್ಲಿ ಕೇಳುತ್ತಾರೆ?
10.	a) ಕುಡಿ	b) ಚಿತ್ತಾರ್ಡ	c) ಬಣ್ಣ	d) ಚಿತ್ರ
	a) OG	6) 43 3		S
10		ಎ. ಇತ್ತಿ ವನಗಳಿ ಮಣ	್ವನ್ನು ಯಾವುದಕ್ಕೆ ಹೋಲಿಸಿದ್ದಾ	<b>o</b> ?
19.	ಶಿಶುನಾಳ ಶರೀಫಯ ತಂ	್ಮ್ಮ್ ಅಕ್ಷ್ಮಪದಿದ್ದು ಹ <u>ು</u> ಣ	್ರೀ) ವಜ್ರ	d) ತಾಮ್ರ
	a) ಚೆನ್ನ	b) યેરી	Jc) wwg	
			್ಷ ಎ.ಎ.ಎ. ಎಂದು ಪರಿಂಪ	ರು ಹೇಳುತ್ತಾರೆ?
20.	X, W		ಳ ಸುದುತ್ತಾಳ್ಯವೆಂದು ಶರೀಫ	
	a) ಆಚಾರ	b) මරික්	c) ಧ್ಯಾನ್ಥೌ	d) ಭಕ್ತಿ
21.			ವಿ.ಡಿ.ವಿ.ಜಿಯವರು ಹೇಳುತ್ತಾ	3?
And	a) ಮಲ್ಲಿಗೆಯಾಗು	<b>ಿ</b> ಶನಕಾಂಬರವಾ	ಗು c) ಸೇವಂತಿಗೆಯಾಗು	d) ಗುಲಾಬಿಯಾಗು
	as a second	Nac state 186	the said the said of	
22.	ನಗುವು ಸಹಜಧ್ರಧಮಣ	-, ನಗಿಸುವುದ್ದು ಎಂತಾ	ಹ ಧರ್ಮ ಎಂದು ಕವಿ ಹೇಳುತ	
		^	c) ಬಹಿರಂಗದ ಧಮಣ	
	e Gregoria Germania			
23.			ಜನಜೀವನ ಸುಖಕರವಾಗಿರುವು	ದೆಂದು ಕವಿ ಹೇಳುತ್ತಾರೆ?
	a) ತಂತ್ರಜ್ಞಾನ 🔊	b) ತಂತ್ರಾಂಶ	c) ವಿಜ್ಞಾನ	d) ಅಂತರ್ಜಾಲ
	Fig. 1			
			Ver-A 3 of 6	

24.	ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ಡಿ.ವಿ.ಜಿ ಯವರ ಕ	ಕಾವ್ಯ ಅಲ್ಲ?	
	a) ನಿವೇದನೆ b) ಉಮರನ ಒಸಗ		d) ಕೊಳಲು
25.	ದ.ರಾ.ಬೇಂದ್ರೆಯವರ ಕಾವ್ಯನಾಮ ಏನು?	13	
	a) ಅಂಬಿಕಾತನಯದತ್ತ b) ಆನಂದಕಂದ	ಂ) ಕುವಂಪು	d) ಶ್ರೀನಿವಾಸ
26.	"ಕುರುದು ಕಾಂಚಾಣ" ಎಂಬ ಪ್ರವ್ಯವನ ಆಯ್ದುಕೊಳ್ಳಲಾಗಿದೆ?	ನ್ನು ಬೇಂದ್ರೆಯವರ ಯಾ	ವ <sup>್</sup> ಕವನ ಸಂಕರಲನದ್ದಿಂ
	a) ಅರಳುಮರಳು b) ನಾದಲೀಲೆ	c) rlð	d) ಸಖೀಗೀತ
27.	ಅಂಗಡಿಯೊಳಗೆ ಕಾಂಚಾಣದ ಸದ್ದು ಹೇಗಿದೆ ಎ	ುಂದು ಕವಿ ಹೇಳುತ್ತಾರೆ?	
	a) ಗಣಣ b) ತನನ	(၁) ထုံးရ ထုံးရ	d) ತೋಂ ತೋಂ
28.	ಕೆಳಗಿನ ಕೃತ್ತಿಗಳಲ್ಲಿ ಕುವೆಂಪು ಅವರ ಕಾದ್ಯಂಬು	ರಿಯನ್ನು ಗುಗುತ್ತಿಸಿ	
	a) ಚಿತ್ರಾಂಗದಾ b) ದುರ್ಗಾಸ್ತಮಾನ		d) ಮಲೆಗಳಲ್ಲಿ ಮದುಮ <mark></mark> ಗಳ
29.	ಸರ್ವರಿಗೆ ಸಮಬಾಳು ! ಸರ್ವರಿಗೆ	ಎಂದ್ದು ಕವಿ ಕುವೆಂಪು ಹೇಳಿದ್ದಾ	eds.
	a) ಸಮಪಾಲು ! b) ಸಹಬಾಳ್ವೆ !	ಖಸಮಾನ ಪಾಲು !	
30.	"ವಿಪ್ಲವ" ಪದದ ಅರ್ಥವೇನು?		
	a) ಶಬ್ದಕೋಶ b) ಕ್ರಾಂತಿ	c) ಚಿತ್ರ	d) ವಿಶ್ವ
31.	ಮಂಡ್ಯ ಜಿಲ್ಲೆಗೆ ನೀರನ್ನು ಒಥಗಿಸುವ ಕೃಷ್ಣರಾಜ	ಸಾಗ್ಗರದ ಯೋಜನೆಯನ್ನು ತ	ಯಾರಿಸಿದವರು ಯಾರು?
1	a) ಡಾ. ವಿಶ್ವೇಶ್ವರಯ್ಯ b) ಥಾಮಸ್ ಮನ್ನೊ	್ರಿ ್ರ್ ರಾ.ಹ.ದೇಶಪಾಂಡೆ	d) ಯಾರು ಅಲ್ಲ.
32.	ಜಿಲ್ಲೆಯ ಸೌಂದರ್ಯದಲ್ಲಿ ವಿಶ್ವೇಶ್ವರಯ್ಯ	್ಲ ಜೀವಂತರಾಗಿದ್ದಾರೆ	
	a) ದಕ್ಷಿಣ ಕನ್ನಡ b) ಮಂಡ್ಯ	c) ರಾಮನಗರ	d) ಚೆಕ್ಕ ಮಂಗಳೂರು
33,	ಡಾ ವಿಶೇಶದರು <u>ವರ್ಷ ವಿ</u>		ವರ್ಷ ಪ್ರಪಕ್ಷದ ಪ್ರತಿಯನ್ನು
	ಡಾ. ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು ಪ್ರವಾಸ ಹೊರಟ ಇಟ್ಟುಕೊಳ್ಳುತ್ತಿದ್ದರು.	ភ <b>ಗ ಅವರ ಸೂಚ್ ಕೇಸಿನಲ್ಲಿ</b>	ന്നുമ തിഗ്ദരം തിടങ്ങൾ
	a) ವೇದ b) ಉಪನಿಷತ್ತು	c) ಭಗವದ್ಗೀತೆ	d) ರಾಮಾಯಣ
		V- A 4 of 6	

34. ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು	ಸಾಪಿಸಿದ ಸಂಸ್ಥೆ	
a) ಕಬ್ಬಿಣ ಮತ್ತು ಉಕ್ಕಿನ ಕಾರ್ಖಾನೆ, ಭದ್ರಾವತಿ	b) ಮೈಸೂರು ಬ್ಯಾಂಕ	
c) ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ	d) ಎಲ್ಲವೂ ಸರಿ	
35. "ಎಷ್ಟೊಂದು ಶಕ್ತಿ ಪೋಲಾಗುತ್ತಿದೆ" ಈ ಮಾತನ್ನ	್ನ) ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು ಯ್ಯಾ	ಾವ ಜಲಪಾತವನ್ನು ನೋಡಿ
ಹೇಳಿದ್ದರು?		
a) ಜೋಗ b) ಶಿವನಸಮುಥ್ರ <sup>&gt;</sup>	c) ಹೆಬ್ಬೆ	d) ಅರಶಿನ ಮಕ್ಕಿ
36. ಬಟೆಗಳಿಗೆ ಬಣಕಟುವ ಕಲೆಗೆ ನಿನ್ನೆಂಗು ಹೆಸರು?	6	
a contract and a cont		ひっついわるぎ
a) ಚಮ್ಮಾರಿಕೆ 💮 b) ಬಣ್ಣಗಾರಿಕೆ	c) ಹೈನುಗಾರಿಕೆ	d) ಮಾತುಗಾರಿಕೆ
37- ಭಾರತದಲ್ಲಿ ತಯಾರಾಗುತ್ತಿದ್ದ ಬಟ್ಟೆಗಳಿಗೆ ಕೆಳ	ಗಿನ ಯಾವ ದೇಶದಲ್ಲಿ ಬೆ	್ ೀಡಿಕೆ ಇತ್ತೆಂದು ಲೇಖಕರು
ಹೇಳುತ್ತಾರೆ?		
a) ಶ್ರೀಲಂಕಾ b) ಪಾಕಿಸ್ತಾನ	c) ಗ್ರೀಸ್ 🎺	d) ಯಾವುದು ಅಲ್ಲ
	V6,	<u>^</u>
38. ಪರಿಸರದಲ್ಲಿ ಸಿಗುತ್ತಿದ್ದ ಕಚ್ಚಾ ವಸ್ತುಗಳ ಮುಖಾಂತ	ತರ ಕುಶಲಕರ್ಮಿಯ ಡ	ಸೃತಿಫಲಿತವಾಗುತ್ತಿತ್ತು ಎಂದು
ಲೇಖಕರು ಹೇಳುತಾರೆ?		
a) ಕೈಕೌಶಲ್ಯ b) ನೈಪುಣ್ಯ	್ರೀ) ಸೌಂದರ್ಯ ಪ್ರಜ್ಞ	d) ಎಲ್ಲವೂ ಸರಿ
39. ಸಾಂಪ್ರದ್ರಾಯಿಕ ಕರಕುಶಲ ಕಲೆಗಳ ಮೇಲೆ ಭಾರಿ	ಪೆಟ್ಟು ಬಿದ್ದಧ್ದು ಯಾವಾಗ?	
a) ಕೈಗಾರಿಕಾ ಕ್ರಾಂತಿಯ ಪರಿಣಾಮೆ	b) ಯಂತ್ರಗಳ ಆವಿಷ್ಕಾರ	
c) ಭೇಡಿಕೆ ಕಡಿಮೆಯಾದದ್ದು	(d) ಯಾವುದೂ ಅಲ್ಲ	
		,, <del></del> , <del></del> <del></del> <del></del> <del></del>
40. ಭಾರತದಲ್ಲಿ ಬೇರೆ ಬೇರೆ ಬಣ್ಣಗಳನ್ನು ನೀಡುವ ಸು	ುಮಾರು ಎಷ್ಟು ಗಿಡಗಳಿವೆ ಎಂಡ	ಮ ಅಂದಾಜಸಲಾಗದಃ
a) 100 b) 300	c) 200	d) 350
41. "ಯುಗಾದಿ" ಕಥೆಯನ್ನು ಬರೆದ ಕನ್ನಡದ ಲೇಖಕರ	ು ಯಾರು?	
a) ವಸುಧೇಂದ್ರ b) ಪಿ.ಲಂಕೇಶ್	c) ವೈದೇಹಿ	d) ವಸುಂಧರಾ ಭೂಪತಿ
42 ಯುಗಾದಿ ಕಥೆಯಲ್ಲಿ ಚಿತ್ರಿತವಾಗಿರುವ ಹಿರಿಯಜೀ	್ಷಿವಿ ಗೋಪಣ್ಣನವರ ವೃತ್ತಿ ಏನು	?
a) ವೈದ್ಯ b) ಶಿಕ್ಷಕ	c) ಅಭಿಯಂತರ	d) ಗುಮಾಸ್ತ
	or-A 5 of 6	

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HON			BKBKK107/207
USN		A 100 mg	n Paper Version : A
First/S	Second Semester B.E./B.Tech	. Degree Examinati	ion, Dec.2023/Jan.202
	Dalak	e Kannada	_
Time:	(COMMON T	O ALL BRANCHE	
		Or the second of the second	[Max. Marks: 50
	INSTRUCTIO	NS TO THE CAND	DATES
1.	Answer all the fifty questions, each	h question carries one m	ark
2.	Use only Black ball point pen for		
3.			
	For each question, after selectin		
	corresponding to the same quest	Land.	
4.	Darkening two circles for the same	이 그림 그는 그 선택 회사는 그림은 사람들 우리 그렇게 있다. 그 그리고 있었다면 그를 모르는 것이다.	
5.	Damaging/overwriting, using prohibited.	whiteners on the O	MR sheets are strictly
	promoned.	The second state of O	e areas, com fo
	Fill in the blanks with suitable wor	ds given:	
1.	niinu	2V.	
	a) yaaru b) adu	© yaake	d) avaru
2.	adu pustaka?		
	a) yaara b) enu	c) niivu	d) avaru
3.	idu Kaaleju	2	
	a) niivû b) avaru	c) avaLa	d) yaake
4.	avarugurugaLu		
4	a) enu b) yaake	namma	d) elli
5.	nanna Amma	a) weeks	
	a) avaLu b) avanu	c) yaake	d) idu
	Write appropriate words to fill the	blank and make senten	ce meaningful.
6.	idu mane.		
	a) enu b) avaLa	c) huDuga	d) yaake
7.	naanu bandenu.		
	a) Kaalejige	b) avana	e) avara d) enu
8.	niivu hoguttiddira?		phinal to the
	a) ellige b) enu	c) avara	d) avana
		Version A - 1 of 4	

				d) Nanna
9.	ivaru ak a) nanna	ka. b) naNNa	c) enu	
	a) name			d) nanna
10	. adu yaara	b) mane	c) enu	
	a) Mane	b) mane		
	Change the wor (Ex : doDDa + a	d as per the model: vanu = doDDavanu)	<b>D</b> *	
11	. SaNNa a) sannavanu	 b) saNNayanu	c) SaNNavaNi	d) SANNAVANu
12.	. Chikka a) ChikkavaLu	b) Chikkavanu	c) CHIKkavanu	d) CiKKaVNu
13.	KeTTa a) kettavanu	b) KeTTavanu	KeTTavaNu	d) KettavaNu
14.	ettara a) ettaradayanu	b) ettaravanu	c) Ettaradavanu	d) ETTaradavanu
15.	mane a) maneyavanu	b) Maneyavanu	c) ManeYavanu	d) maneyavaNu
	(SaNNa - SaNNa	llowing words of Kardu)	nnada as per the give	n model
16.	DoDDadu a) DoDDadu	b) doDDadu	c) doddadu	d) DODDADU
17.	avara a) avaradu	b) Avaradu	c) avaraDu	d) AVARADU
18.	nammaa) nammadu	b) NammaDu	c) nammaDu	d) NaMMaDu
19.	hoSa a) hoSadu	b) Hosadu	c) HoSaDu	d) hoSaDu
20.	avaLa a) avaLadu	b) AvaLadu	c) avaladu	d) avanadu
	Transform the foll (mane – maneyalli	owing words of Kanı	nada as per the given	model:
21.	raSte a) raSteyalli	b) Rasteyalli	c) RasTeyalli	d) raSteYalli
22.	pustaka a) pustakadalli	b) pustakaDalli	c) Pustakadalli	d) PUSTAKADalli
		Versio	on A - 2 of 4	

23.	angaDi a) angaDiyalli			BKBKK107/207
24.	byag	b) Angadiyalli	c) angadiyalli	d) angaDiyalli
25.	a) byaginalli daari a) daariyalli	b) byagiNalli	c) byagalli	d) byaGalli
		b) daariYalli (S with suitable words to	e) daarinalli	d) Daariyalli
26		s with suitable words to	make the sentence	meaningiui.
26.	avaLu nimma a) akka	b) Akka	c) anna	d) tamma
27.	avaraa) aane	yaavudu? b) mane	c) MANE	d) Mane
28.	nimma hesaru a) enu	b) yavadu	yaake	d) Enu
29.	avaLu nanna a) snehite	b) snehita	c) geleya	d) huDuga
30.	Kaalejige hoguv a) Daari	a yaavadu? b) daari	c) DAARI	d) DaaRi
	Change the wor (KuDi – KuDiyi	rd as per the model given iri)	n:	
31.	tinni a) tinniri	b) tinniyiri	c) tindiri	d) tandiri
32.	ese a) eseyiri	b) eseiyiri	c) Eseyiri	d) eseiri
33.	nuDi a) nuDiyiri	b) Nudisiri	e) NUDIYIRI	d) nudiyiri
34.	Savi a) Saviyiri	b) Savida	c) Satya	d) Sullu
35.	marea) mareyiri	b) Kareyini	c) MAREYIRI	d) Mariri
	Fill in the blank meaningful one.	s using the correct fo	rm of the Kannac	la word to make sentence
36.	niinu (v	yho)		
	a) yaaru	b) Yaaru	c) YAARu	d) yaru
37.	indu u a) naavų u	urige hogoNavaa? (we) b) Naavu	c) NAAvu	d) Naau
		g	on A - 3 of 4	-, <del></del>
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38.	, idu pu a) avaLa	staka. (her) b) avana	e) avara	d) nanna
39.		snehita. (He) b) Avanu	c) Avara	d) Namma
40.	indu a) niinu	_ Kaalejige baruttiyaa? b) Ninu	(You) e) neenu	d) Neenu
	Transform the fo	ollowing words into K va)	annada as per the mod	lej:
41.	eradua) eradaneya	b) ondaneya	c) HattaNeya	d) Mooraneya
42.	muuru a) muuraneya	b) Muraneya	c) MuuRaneya	d) MUURANEYa
43.	Aidu a) aidaneya	b) Aidaneya	c) aiduaneya	d) AIDANEya
44.	aaru a) aaraneya	b) aarane Ya	c) Araneya	d) AAraneya
45.	enTua) enTaneya	b) Entaneya	c) entaneya	d) EnTaneya
	Translate followi	ng words as per mode	el: (iru – irutteve)	
46.	barua) barutteve.	b) Barutteve	c) Bartivi	d) bartivi
47.	hogua) hogutteve	b) hoguTTeve	c) Hogutteve	d) HOGUTTEVE
48.	tinnua) tinnutteve	b) Tinnutteve	c) TinnuTTeve	d) TINNUTTEVE
49.	KoDua) Kodutteve	b) KoDutteve	c) KoDUtteve	d) KODUTTEVE
50.	maadua) maadutteve	b) maaduTTeve	c) maaDutteve	d) maaDuTTeve
		* *	* * *	

	· 基本 建铁矿	CBCS SCL		BSFHK158/2
			Question	Paper Version : A
US	SN L		Faminat	ion Dec.2023/Jan.20
Firs	t/Second Semester B	.E./B.Tech. Deg ntific Found	ree Examinat	alth
	Scie	ntific Found		[Max. Marks: 50
Tim	e: 1 hr.]	•		N
		STRUCTIONS T		
34	I. Answer all the fifty q	uestions, each ques	tion carries one n	nark.
2	2. Use only Black ball p	ooint pen for writin	ng / darkening the	circles.
3	8. For each question, a	fter selecting you	r answer, darke	n the appropriate circle
	corresponding to the	same question nu	imber on the ON	AR sheet.
4		for the same quest	ion makes the an	swer invalid.
	Dancing (wo choice)	ng using whiter	ers on the O	MR sheets are strictly
5	prohibited.	ng, using white	Y satisfies	ort silvettet 1973 Historia
V 100 V		a atrula is colled as	Strain V Strain	
1.	Being inactive form of life a) Sedentary life style c) Busy life style	d d	) Spirited life style ) Lively	
2.		Sick person c	) Healthy	Suddest
3.	Balance in exercise, balar a) Social health b)	Physical health oc	) Emotional neari	d) intectual nearm
4.	Individual who do not this	nk they will get flue	are less likely to	get a yearly flue short is
	an example of a) Negative belief b)		) Healthy belief	d) None of the above
5.	Emotional health brings ar	ability in individua	l to Respond to the s	vituation
	<ul><li>a) React to the situation</li><li>c) Withdraw from the situ</li></ul>		None of the abo	
6.	A person has ability to bo	unce back after diff	ficult experiences	and adapt to adversity is
	called as health.		) Social health	d) Physical health
	a) Mental health b) I			of the second of the second
7.	The prime factor which infa  a) Positive mindset b) C	fluences psychologic Gloomy outlook c	cal health is ) Dim view	d) All the above
8. (	One who suffer from ment	al illness always see	himself as	contaction and
	a) Happy and Active C) Unhappy and Worried	b d	) Gloomy & Pess ) Both (b) & (c)	simist
a l	Spiritual wellness involves  a) Developing compassion b) Peace of mind, happine c) Human values, honesty	n, caring and forgivess and mercy full	d) All the abo	ove

10	a) Productivity and point point in a point i	d) All the abo	ove
11	in amounted intake of energy dense	foods that are high in b) Obesity an d) Visual disa	fat and sugar leads to ad overweight ability
12.	Mindfulness of eating means  a) Chewing food c) Creating positive vibration to foo	b) Enjoying f d) Both (b) &	(C)
13.	<ul> <li>What should be the proper proportio</li> <li>a) Equal to carbohydrates, vitamins</li> <li>b) Greater than carbohydrates, vitamins</li> <li>c) Less than carbohydrates, vitamin</li> </ul>	n of fats in every mear and minerals mins and minerals as and minerals d)	None of the above
14.	Anorexia nervosa, Bulimia nervosa a  a) Eating disorders c) Sleeping disorders	and Binge eaters are below by Breathing do All the above	ISUITEIS
15.	The fundamental cause of obesity and a) Balance in calori intake and calor b) Imbalance in calori intake and calor c) Calori spent is more than calories	ri spent lori spent	None of the above
16.	Excessive intake of nutrients which c a) Malnutrition c) Modified nutrition	reates a stress on bodily b) Over nutriti d) Moderate n	ion
17.	Which of the following is Non Comma) Stroke b) Cold	nunicable Diseases (NC c) Cough	D's)? d) Fever
18.	The following is an example for satura) Pork b) Chicken	ated fat c) Buffer	d) Cheese
19.	Excess of BMI (Body Mass Index) in a) Cancer b) Obesity	a person leads to c) Sugar	d) Weight loss
20.	Physical fitness in an index of a) Perfect height & weight ratio c) Perfect body composition	b) Perfect body d) All the above	
21.	Which of the following is behavioral a a) Nicotine b) Alcohol	addiction?  c) Drugs	d) Gambling
22.	The key strand to overcome from addi a) Stop using substances c) Poverty	ction	nd positive mindset bove
23.	Which of the following statement is true a) Addiction leads to physical disorde b) Addiction which affects only physic c) Addiction which affects only menta	rs which in turn leads to cal health	mental disorder  All the above

			Q	
	ajor effect and health hazards from			
,	oss of self control	b)	Injury	
c) (	Cardio vascular disorder	d)	Fetal damage	
25. Add thir	liction not only impairs a range of laks is referred as	(		
a)	Physiological complication	(b)	Psychological compli	cation
c)	Biological complication	d)	None of the above	
26	is an example for substance add	iction		
	Shopping b) Video games	c)	Topaeee	l) Using internet
27. D	Depression, Anxiety, Loneliness are t	he effect	s of	
	Substance addiction	h)	Benavious addiction	
	E) Both (a) & (b)	d)	None of the above	
30	What is SUD stands in addiction?			
28.		b`	Substance unit of dis	tress
	<ul><li>a) Subjective unit of disfress</li><li>c) Substance use disorder</li></ul>	∡d ́	None of the above	
29.	The purpose of using drugs are	720		
		forge	ot problems	
ir ir	b) To feel high pleasure, relieve stre	ess, lorge	) All the above	
	c) To boost physical nealth			-1-
30	Addiction not only damages physica	l and mer	ntal health but also affe	cts
30	a) Relationships & Financial status	ł	Only friend circle	
	c) Only economic status		d) None of the above	
3	A good listener is the one who     a) Non judgmental		b) More talkative	
	c) Make uncomfortable	V.°°	d) Create stress	
		anda on		
3	2. The value of good relationship depe	zuus on	b) Mutual respect	
	<ul><li>a) Self care</li><li>c) Mutual money exchange</li></ul>	•	d) None of the above	
	c) Mutual money exchange			a nargan to another is
	33. The art of transmitting informatio	n, ideas	and attitudes from on	e person to another is
	referred as	tion 📣	c) Communication	d) None of the above
	34. Goals of Communication are	Mation		
	<ul><li>a) Sending and receiving of infor</li><li>b) Inform, to persuade and to but</li></ul>	ld relation	nshins	
	<ul><li>b) Inform, to persuade and to but</li><li>c) Encode and decoding of infor</li></ul>		d) All the above	
		alamitur ia		
	35. One of the step to increase vocal of a) Slow down the conversation	ciarity is _	b) Fasten the convers	sation
	c) Stop the conversation		d) None of the above	
		lthy rolati		
	36. Communication is the key to hear a) Avoid misunderstanding	my relati	b) Create misunders	anding
	c) Brings expectation		d) None of the above	4) Y J H - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
		View St		

37	"Wearing seat belt while driving" is an examp	ole for	
	a) Unhealthy behavior through social engine	ing O	
	b) Healthy behavior through social engineer	1) Both (b) & (c)	
	c) Social responsibility		
38	influence people mindset to both posi	tive and negative.	
30	a) Social gathering b) Travelling	3) Media	d) All the above
		<b>V</b>	
39.	Dress code of individual is an example of	communication	Callh
	a) Spoken b) Verbal	c) Non - verbal	d) None of the above
40.	An unhealthy relationship cause		
	a) Lot of stress	b) Trust in each other	er
	c) Harmony in each other	d) All the above	
		American	
41.	How to maintain better quality of life in chron	nic illness?	doot
	a) Good medical advice, living healthy life s	tyle and negative mil	iusei.
	b) Good medical advice and positive mindse	t 🔸	
	c) Good medical advice and living healthy li	fe style.	
	d) Good medical advice, living healthy life st	yle and positive mine	iset.
42.		be managed is cance	d) Allergy
	a) Acute illness b) Infection disease	c) Chronic liness	d) Anergy
12	The following is an example for elemnic disc	000:	
43.	The following is an example for chronic dise  a) Diabetes  b) Cold	c) Cough	de Head ache
	No. 10 Proceedings of the William Co. of All Charles And Co.	A J	
44.	Following are the measures required in main	taining Quality of life	e in chronically ill state.
77.	a) Emotional support	b) Understanding the	ne medication
	c) Reliable information about diseases, its		
	d) All the above		
	d) All the above		
45.	The following are the steps to avoid transmit	ted infections:	
73.	a) Good hygiene b) Vaccinations	c) Temperature	d) Both (a) & (b)
		7.	(4) 35 (6)
46.	Virus, Bacteria, Fungus are means of transm	ission of disea	ase.
70.	a) Infection b) Cancer	c) Stroke	d) Obesity
47.	Health compromising behavior are common	ly seen in clas	s of people.
7/.	a) High (b) Middle	c) Low	d) None of these
S. C. Pall			
48.	Which of the following health communication	on style makes use o	of the patients knowledg
70.	and experience?	A	
	a) Doctor – centered communication	b) Patient - centered	ed communication
	c) Practitioner – centered communication	u) None of these	
40	Health has intimacy with		
49.	Health has intimacy with	a) Personality	d) All the above
	a) Behaviour b) Society	c) reisonanty	dy Till the above
<b>50</b>	What is a gian of theris friendshin?		
50.	What is a sign of toxic friendship?	a) Reing supportive	e d) None of these
	a) Lack of empathy b) Understanding	c) Demig supportive	c uj Hone of those
	We distipate in the for what it, for excelling a	* * *	
		100 M 100 100 100 100 100 100 100 100 10	

USN					BP	HYS102/E	3PH 1 3202
		احساسسا			" Reply		
	 4		According to the Control of the Cont		A TON	T 202	2/Inn 202

# First/Second Semester B.E./B. Tech. Degree Examination, Dec.2023/Jan.2024 Applied Physics for CSE Stream

Time: 3 hrs. Max. Marks: 100

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

2. Draw neat sketches where ever necessary.

3. VTU Formula Hand Book is permitted.

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

5. Constants: Speed of Light  $C = 3 \times 10^8$  m/s, Boltzmam const.  $K = 1.38 \times 10^{23}$  J/K<sup>1</sup>, Planck's const  $h = 6.625 \times 10^{34}$  JS, Acceleration due to gravity g = 9.8 m/s<sup>2</sup>, Permittivity of Free space  $\epsilon_0 = 8.854 \times 10^{32}$  Fm<sup>-1</sup>

1 1 1	and a	Module – 1	M	L	C
Q.1	a.	Define LASER and explain the interaction of radiation with matter for the induced absorption, spontaneous emission and stimulated emission.	7	LI	CO1
	b.	Discuss different types optical fibers based on modes of propagation and refractive index profile.	9	L2	CO1
4	c.	Find attenuation in an optical fiber of length 500m, when a light signal of power 100mW emerges out of the fiber with a power of 90mW.	4	L3	CO1
		OR			001
Q.2	a.	Obtain the expression for energy density of radiation using Einstein's co-efficient A and B and thus conclude $B_{12} = B_{21}$	9	L2	CO1
	b.	Discuss point to point communication using optical fiber.	6	L2	CO1
	c.	In a diffraction grating experiment the LASER light undergoes second order diffraction for diffraction angle $1.48^{\circ}$ . The grating constant $d = 5.05 \times 10^{-5}$ m and the distance between the grating and source is 0.60m, find the wavelength of LASER light.	5	L3	CO5
	24	Module – 2	Y.		
Q.3	a.	State and explain Heisenberg's uncertainty principle. Using the principle show that electron doesn't exist inside the nucleus.	7.	L2	CO2
	b.	Set up Schrodinger's time independent wave equation in one dimension.	8	L2	CO2
	c.	A particle of mass 0.5 MeV/C <sup>2</sup> has kinetic energy 100 eV. Find its de-Broglie wavelength where 'C' is the velocity of light.	5	L3	CO2
1 3	10 075	OR			1 000
Q.4	a.	Find the Eigen values and Eigen functions for a particle in one dimensional infinite potential well.	1 9	L2	CO2
4.67	b.	Discuss de-Broglie hypothesis.	6	1. 1900	la Silayaria
	c.	Calculate the energy of the first three states for an electron in one dimensional potential well of width 1 A°.	5	L3	CO2

## BPHYS102/BPHYS202

Q.5	a.	Module – 3  Explain the representation of qubit using Bloch sphere.	6	L2	CO2
3111	b.				5 117 6
	0.	Discuss CNOT gate, matrix representation and its operation on four different input states.	6	L2	CO2
	c.	A linear operator X operates such that $X   0 \rangle =   1 \rangle$ and $X   1 \rangle =   0 \rangle$	8	L3	CO2
		Find the matrix representation of X		11 1	
Q.6	To	State the Pauli's water at the Pauli's state of the	~ [	701	000
<b>Q.</b> 0	a.	State the Pauli's metrics and apply Pauli matrices on the states  0  and  1  states.	8	L3	CO2
	b.	Elucidate the differences between classical and quantum computing.	6	L2	CO2
	c.	Explain matrix representation of $0$ and $1$ states and apply identify operator $1$ to $ 0\rangle$ and $ 1\rangle$ states.	6	L3	CO2
Q.7	a.	Enumerate the C. II	7	112	COZ
		Enumerate the failures of Classical Free Electron [CFET] Theory and mention the assumptions of Quantum Free Electron Theory [QFET]	7	L2	CO3
	b.	Describe Meissner's effect. Distinguish between Type I and Type II super conductors.	8	L2	CO3
	c.	Lead has a superconducting transition temperature of 7.26K. If initial field at $0 \text{K}$ is $50 \times 10^3 \text{Am}^{-1}$ , calculate the critical field at $6 \text{K}$ .	5	L3	CO3
0.0	, 1	OR			- 14 A
Q.8	a.	Define Fermi factor. Discuss the variation of Fermi factor with temperature and energy.	7	L2	CO3
	b.	Explain the phenomenon of super conductivity. Discuss qualitatively BCS theory of super conductivity.	8	L2	CO3
	<b>c.</b>	Calculate the probability of occupation of an energy level 0.02eV above Fermi level at temperature 200K.	5	L3	CO3
144 40	\$5000 S	Module – 5	1187		
Q.9	а.	Discuss timing in linear motion, uniform motion, slow in and slow out.	8	L2	2 CO4
	b.	Enumerate the difference between inferential and descriptive statistics.	6	L2	2 CO4
	c.	In an optical fiber experiment, the light passing through the fiber, made a spot diameter of 8mm on the screen. The distance between the end of the optical fiber cable and the screen is 0.031m. Calculate the angle of acceptance and numerical aperture of given optical fiber.		L3	3 COS
	111	OR			1 11
Q.10	a.	Describe Jumping and parts of Jump.	8	L	2 CO4
P 15	b.	Discuss the salient features of Normal distribution using Bell curves,	7	L	2 CO
	c.	While animating speeding up car animation, the total distance covered over 6 frames is 25m, Calculate the base distance.	5	L.	3 CO

USN				S.	BPOPS103/203
			1 1		

# First/Second Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Principles of Programming Using C

Time: 3 hrs.

Max. Marks: 100

-	·	Note: 1. Answer any FIVE full questions, choosing ONE full question from each 1 2. M: Marks, L: Bloom's level, C: Course outcomes.			
01		Module - 1	M	L	C
Q.1	a.	Define a Computer. Explain the characteristics of a digital computer.	10	L1	CO
	b.	Explain the basic structure of a C program with a neat diagram.	10	L1	CO
0.2	-	OR*			60
Q.2	a.	With a neat diagram explain the steps in the execution of C program.	10	L1	CO
	b.	Explain the input and output statements in C with examples for each.	10	L2	CO
0.2		Module – 2			60
Q.3	a.	Explain the various operators in C.	10	L2	CO
	b.	Explain the different forms of if statement with flowcharts.	10	LI	CO
0.1		OR A			-
Q.4	a.	Explain the switch statement with an example.	10	L2	CO
				L3	
	b.	Explain break and continue statements with examples for each.	04	L2	CO
				L3	
	c.	Write a C program to find the largest of 3 numbers using nested if	06	L3	CO
		statement.			
0-		Module – 3			T ===
Q.5	a.	Discuss in detail the parts of a user-defined function.	10	L2	CO
	b.	Discuss the storage classes in C.	10	L2	CO
		OR OR			,
Q.6	a.	Define recursion. Write a C program to find the factorial of 'n' using	05	L1	CO
		recursion.		L3	
	b.	What is an array? Explain the declaration and initialization of 1-D arrays.	05	L1	CO
				L2	
	c.	Write a C program to perform Matrix Multiplication.	10	L3	CO
or Park		Module – 4			,
Q.7	a.	Write functions to implement string operations such as compare	10	L3	CO
		concatenate and string length. Convince the parameter passing techniques.			
	b.	Develop a program using pointers to compute, sum, mean and standard	10	L3	CO
		deviation of all the elements stored in an array.			<u></u>
		OR			
Q.8	a.	Define a pointer. Discuss the declaration of pointer variables.	05	L2	CO
	b.	Discuss the various string handling functions in C.	10	L2	CO
	c.	Write a C program to swap two numbers using call by reference technique.	05	L3	CO
		Module – 5		T =	
Q.9	a.	Define a structure. Explain the types of structure declarations with	10	L1	CO
		examples for each.			
	b.	Implement structures to read, write and compute average marks and the	10	L3	CO
	1.00	students scoring below and above average in a class of 'N' students.		9-1-1	7 14 3
"William	13.9	OR		i din	4/1/12
Q.10	a.	Differentiate between structures and union.	06	L2	CO
, 1	b.	Define a structure by name DOB consisting of three members dd, mm	06	L3	CO
		and yy. Develop a C program that would read values to the individual		Total	
W. S.	14	member and display the date in the form dd/mm/yyyy.	00	TO	CO
The second		Explain the various file operations with syntax for each.	08	L2	CO5

# CBCS SCHEME

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USN		BETCK105E/BETCKE10
OD.	and the same language of the s	

# First Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024 Renewable Energy Sources

Time: 3 hrs.

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M: Marks, L: Bloom's level, C: Course outcomes.

		Module 1'	M	L	C
Q.1	a.	Briefly explain the principles of renewable energy, energy and sustainable development, fundamental and social implication of renewable energy.	10	L2	CO1
	b.	Briefly describe biomass energy and Internet of energy.	10	L2	CO1
		OR	10		
Q.2	a.	Briefly describe energies from ocean.	10	L2	CO1
	b.	Briefly describe geothermal energy and solar energy.	10	L2	CO1
		Module – 2		1	T ====
Q.3	a.	Explain solar radiation and its estimation on horizontal and inclined surfaces.	10	L2	
	b.	With neat sketches, explain the working principles of Pyranometer and Pyreheliometer.	10	L2	CO2
		OR	1.0	1	1 000
Q.4	a.	Explain solar pond and solar distillation.	10	L2	
	b.	Explain the principle of photovoltaic system with applications.	10	L2	CO2
		Module – 3	10	L2	CO3
Q.5	a.	Explain with a neat block diagram, the basic components of Wind Energy Conversion System (WECS) specifying the components of a wind turbine.			
	b.	Stating advantages and disadvantages, elaborate in detail, the working principle of a horizontal axis wind turbines.	10	) L2	2 CO3
					1,42,631
1	4.	OR	6	L2	CO3
Q.6	a	Elaborate on photosynthesis process.		1	
100	1 600	· · · · · · · · · · · · · · · · · · ·			STATE OF STREET

#### BETCK105E/BETCKE105

	b.	Explain biomass conversion technologies.	8	L2	CO3
	c.	Explain with a neat sketch, downdraft garifier.	6	L2	CO3
	1,1	Module – 4			
Q.7	a.	Explain with sketches, working of single and double basin tidal power plants.	10	L2	CO4
	b.	Summarize the advantages and limitation of tidal power generation.	10	L2	CO4
00		OR	- 3	7.77	
Q.8	а.	Explain with sketches, working principles of open and closed cycle Ocean Thermal Energy Conversion (OTEC) system.	10	L2	CO4
	b.	What are the problems associated with OTEC?	10	L2	CO4
The state	1	Module – 5	-		
Q.9	a.	Classify fuel cells and explain the working of hydrox (H <sub>2</sub> , O <sub>2</sub> ) fuel cell.	10	L2	CO5
V.	b.	Describe in detail about hydrogen energy storage and applications.	10	L2	CO5
0.10	3066	OR A			
Q.10	a.	Explain with a sketch, electrolysis method used for hydrogen energy production.	10	L2	CO5
	b.	Discuss the problems associated with hydrogen energy.	10	L2	CO5
	43	****** 2 of 2			

## SINEMIS SOURCE

	SINEINUS GUED	BENGK106/BENGK206/22BD17
USN		Question Paper Version: B
First/Secon	nd Semester B.E./B.Tech./B.Ds	. Degree Examination, Dec.2023/Jan.202
	Communic	cative English
Time: 1	hr.]	[Max. Marks: 50
	INSTRUCTION	S TO THE CANDIDATES
1.	Answer all the fifty questions, each	question carries one mark.
2.	Use only Black ball point pen for w	writing / darkening the circles.
3.	For each question, after selecting	your answer, darken the appropriate circle
	corresponding to the same question	on number on the OMR sheet.
4.	Darkening two circles for the same	question makes the answer invalid.
5.	4 4	hiteners on the OMR sheets are strictly
April 1985	prohibited	
2. Ti a)	cheduled to run between Mumbai and hours 35 minutes. In his own words, "To ecide one's strength to achieve that. It's rain is a project that will provide pace to ill also bring results faster", he added irector of the National High speed Rail Coecember 2005.  The for the Bullet Train project was railway track by signaling system to rule a house of the bullet train will take about to rule 3 hrs, 25 min by 2 hr, 55 min	in between both the States.
pr	ovide pace to to faster	b) train, travel, results
	development, trains	d) development, results
4. Tl a) c)		and b) Mumbai and Delhi d) None of these
	he project is expected to be by D completed b) operationalised	

Ver B - 2 of 4

c) was

d) Not required

a)

have

BENGK106/BENGK206/22BD17 finished our assignment just now. a) have c) had d) None of these 'Communication' The word originates from Laten word a) Communico b) Communico c) Communicative d) None of these 22. Communication is a \_\_\_\_\_ process. a) one way b) two - way c) three - way d) None of these 23. In order to achieve the production target for a particular month, the discussion held between the production manager and supply manager will certainly be a perfect instance of Communication. a) Vertical b) Spiral 4 c) Cross wises d) Horizontal 24. 'Poor Printing' it is a type of Barrier a) Verbal barrier b) Psychological barrier Physiological barrier d) Physical barrier Communication. 25. 'Transcendental meditation' is example of c) Intrapersonal a) Extrapersonal (b) Interpersonal d) Non - verbal 26. The most straight forward, basic interpersonal communication meaning is Communication. a) Mass Communication b) Interpersonal c) Extrapersonal d) None of these 27. Flashing eyes, avoiding eye contact may also cause to effective Communication. a) Vernal barrier b) (Listening barrier d) Non - Verbal barrier c) Psychological barrier 28. In general oral Communication is the interchange of \_\_\_\_\_\_between the sender and the receiver. a) cues and clues b) speaking c) gestures d) verbal messages 'Follows a set pattern such as sequence of elements in a report' this is Communication. a) Professional b) General c) Personal d) None of these 30. In Organizations, informal communication also permeates. This informal communication s called c) Grapevine d) None of thee (b) Professional a) Personal 31. One native regional accent that has gained social prestige is the \_\_\_\_\_ of English. b) Reverse perception a) Received pronunciation d) None of these c) Transcription 32. A vowel sound whose quality does not change over the duration of the vowel is

called

a) Vowel

a) Coda

Ver B - 3 of 4

c) Medical

d) Consonant

d) None of these

(b) Diphthong (c) Pure vowel

33. The consonant sounds that come before vowel sound are called \_\_\_\_

b) Onset

### BENGK106/BENGK206/22BD17~

34.	What is the division of syllables of va) in-form-ation b) inform-at		nation'? in-formation	d) i	n - for - ma - tion
35.	Transcribe the word 'daughter'.  a) /'dO:t \(\theta\) / b) / dO't \(\theta\)	( c)	/ fil: Cb /	d)	/d3:t \(\theta\)
36.	'No. The women with the plastic b	oag'. In this	sentence which	h words	are having falling
	a) No, The woman b) Plastic ba	g c	No. bag	di	None of these
37.	Find the silent letter in the word 'the a) th b) ou	ough' c)	ugh	d)	gh
38.	In the word 'Sheep' often misprono	>	£. 1	7	1. Server (g)
	a) /ʃ/ b) /\$7		ee	d)	p
39.	Correct the spelling of the following a) Renumeration b) Remuneration		Remunation	d)	Remuration
40.	How to pronounce the word 'Next'?  a) nekast b) nekest	?	nekist	d)	nekst
41.	I have to buy a car. (Use ap a) no rupees b) no notes.		un) no money	d)	no moneys
42.	and want to purchase			e pronou	n).
	a) He. I and you b) You, he a		I, he and you	d)	You, I and he
43.	The flower smells (Appropria) sweetly b) sweetly	iate Adjectiv	(è īs) , sweeter	d)	sweetest
44.	It is hotter today, (place an a) most b) very	600. 50	more	d)	much
45.	Hardly had he arrived the p a) than b) then		oled. (Choose c		onjunction) None of these
46.	We could barely do anything. (suita a) Couldn't we? b) Could we		Tag). Can we?	d)	None of these
47.	A Person who believes in God, we a) Theist b) Atheist	call him c)	Eccentric	d)	Spinster
48.	'I saw a man' in this sentence which emphasis.	h is pronoun	ced with a wea	k verb, v	vithout any special
	a) I b) man	c)	saw	d)	a
49.	Flour is made wheat. (suital a) of b) by		on) from	d)	in
50.	Humanity is in danger. (6	Choose the c		d) Not	needed any article
		* * *	* *		

Ver B – 4 of 4

US	SN E	Question Paper Version : A	
F	First/Second Semester B.E. Degree	Examination Dec 2023/Jan 202	 
	indian Con	istitution	
Tim	ne: 1 hr.]	[Max. Marks:	50
		O THE CANDIDATES	
1,	Answer all the fifty questions, each ques	tion carries one mark.	
2.	Use only Black ball point pen for writing		
3.		보고 있는 그리고 그는 그리고 살아보고 그런 그 가입니다. 이번 그 그리고 있다면 가입니다. 나는 그리고 있다면 그리고 있다. 그리고 있다.	cle
Ž.	corresponding to the same question nu	The state of the s	
4.	Darkening two circles for the same quest		
5.		[2] [2] - [4] - [4] [2] [2] - [4] [2] - [4] [2] - [4] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	tly
	prohibited.	icis on the other sheets	
1.		Company de la lace	
	The idea of a Constituent Assembly for India a) B.G. Tilak b) M. K. Gandhi		
2.	In Which year, did the Indian National Con-	gress for the first time demand a Constitu	ent
	Assembly?		
	a) 1934 b) 1935	c) 1936 d), 1937	
3.	First time Constituent Assembly Constituted a) Cabinet Mission Plan	l under the scheme formulated by the  b) Mount Batten Plan	
	나이 나는 그리고 그렇게 그렇게 되었다. 이렇게 되었다. 그리고	d) None of these	
4.	Members of the Constituent Assembly were_		
	<ul><li>a) All Elected</li><li>c) Partly elected and partly nominated</li></ul>	<ul><li>b) All Nominated</li><li>d) Selected</li></ul>	
interior.			
5.	Constituent Assembly hold its first meeting of a) Nov. 9, 1946 b) Dec. 9, 1946	on d) Dec. 9, 1947	
6.	When did "Objective Resolution" was adopted		
		c) 1947 d) 1950	
7.	First Draft of the Constitution was published	on	
	a) Jan. 24, 1950 b) Jan. 24, 1948	c) Aug. 15, 1947 d) Feb. 1948	
8.	Drafting Committee hadnumber of r		
		c) 07 d) 05	
9.	Provincial Constitution Committee was head a) Dr. Rajendra Prasad		
	나는 사람들은 사람들은 사람들은 사람들이 가입니다. 그 그리고 그 그 그래요? 그리고 그 그 그리고 그 그리고 그리고 그리고 그리고 그리고 그리고 그	<ul><li>b) Dr. B. R. Ambedkar</li><li>d) Jawaharlal Nehru</li></ul>	
10.	The concept of "A Union of States" in the Inc	dian Constitution has been derived from	
	a) The American Declaration	b) The Australian Constitution	
	c) The British North American Act Version –	d) The Swiss Constitution A – 1 of 4	

, Jia	d) Democratic
11. India can make its own laws because, India	c) Secular
a) Independent b) Sovereign	
a) independent	Hoble part
12. Preamble is	b) Amendable part
a) Part of the Constitution	b) Amendation (c') d) Both 'a' and 'c'
c) Non – Amendable	A Ethore
13. Fundamental Rights are	c) Extraterritorial d) None of these
a) Enforceable b) Absolute	c : Ligang to control
a) Enforceable b) Absolute  14. "Rights are not only the privileges, they are the Arbitrary Government" – who gave this	the weapons in hands of citizens to constant
14. "Rights are not only the privileges, they are	statement?
the ritolitary Government	LY CV Pater
a) Dr. Baby Rajendra Prasad	d) Dr. B. R. Ambedkar
c) J. L. Nehru	
15. The Preamble to the Constitution declares In	ndia as 🔼
a) Sovereign Democratic, Republic	
b) Sovereign, Socialist, Secular, Democra	tic, Republic
c) Socialist, Democratic, Republic	
d) Sovereign, Democratic, Republic, Se	cular.
16. The Preamble aims to secure	b) Fundamental Duties
a) Fundamental Rights	d) Security of the People
c) Dignity of the Individual	u) Security of the People
<sup>6</sup> 17. Freedom to form an Assembly can be restric	eted on the ground
a) Public order b) Morality	c) Health d) Wealth
a) Tuble order	
18. Fundamental Rights are not applicable to	
a) Foreigner	b) Criminals
c) Members of Armed Forces	d) Both 'a' & 'c'
on 1 1 De la Com	Court on icono
19. For enforcement of Fundamental Rights Sup	
a) An order b) Direction	c) Writs d) All the these
20. Provisions of Art. 20 applicable only in	
1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	c) Administrative cases d) Military cases
a) Criminal cases b) Civil cases	Transmission of Courses and Transmission of Courses
21. It is a law passed to give effect to directive p	principles of State Policy.
a) Equal Pay for Equal Work Act	b) Right to Information Act
c) Juvenile Delinquency Act	d) Passport Act
e) Juvenine Definiquency Free	
22. Fundamental Duties are	
a) Enforceable b) Absolute	c) Restricted d) Non - enforceable
a) Emolocação	
23. Free Legal Aid is applicable to	
a) APL Families	b) Financial Incapable Persons
c) NRI Families	d) CPI Families
24. It shall be duty of the every Citizen of India	
a) Value our Culture	b) Renounce Foreign Culture
c) Impose our Culture	d) Preserve Western Culture
- 2016년 - "K. 그리고 : 1 (本) - (本) - (조) - (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	

25.	Fundamental Rights and Directive Principle  a) Complementary to each other	s are		To the	
	<ul> <li>a) Complementary to each other</li> <li>c) Extension to each other</li> </ul>	b) (	Opposite to each of None of these	her	
26.	All the Executive powers of Union shall ves				
	a) The Prime Minister b) The President	t with	r The Parliament	d)	The People
27.	Who is Competent Authority in India to dec a) Defense Minister b) Prime Minister	lare V c) C	Var? hief of the Army	(a)	President
	Union Legislature shall bea) Bi Cameral b) Uni Cameral		ri Cameral		Any Cameral
29.	There shall not be more than gap be	tweer	two sessions of th	ie P	arliament.
	a) 6 months b) 6 weeks	6) (	days	d)	6 years
30.	a) Elected b) Appointed		Nominated	d)	Both (a) & (b)
31	<ul> <li>Maximum strength of the Lok – Sabha is</li> <li>a) 550</li> <li>b) 550 + 2</li> </ul>	c) :	545	d)	600
32	. Which House of the Parliament is known as	Elde	rs and Knowledge	Hou	ise?
32	a) Lok-Sabha b) Raj-Sabha	c) E	SOLII	u)	
33	3. How many time is President can return the I	Bill fo	r consideration to	Par	nament?
	a) Once c) Thrice	DI	Twice Any number of tim	A weeks	
2/	4. Which of the following non – member of Pa	rliam	ent has the right to	ado	dress it?
34	a) Auditor General of India	b) (	Chief Justice of Inc	11a	
	c) Attorney General of India	li fivel	Chief Election Com	nmis	ssioner
35	5. Sovereignity of Indian Parliament is restricted	ed by			
	<ul><li>a) Powers of the President</li><li>c) Leader of the opposition</li></ul>	1111 11111	Judicial Review Power of the Prime	e - N	Ainister
30	Which one of the following Bills must be passengerately by special majority?	assed	by each House of	the	Indian Parliament
	a) Ordinary Bill	b)	Money Bill		
	c) Finance Bîll		Constitutional Am		
3′	should it have to win?				how many seats
	<ul> <li>a) 1/3<sup>rd</sup> of total strength</li> <li>c) 1/10<sup>th</sup> of total strength</li> </ul>		1/4 <sup>th</sup> of total streng 1/6 <sup>th</sup> of total streng		
3	8. This is not the Committee of the Parliament	1177			LAND WAR STE
F. F.	a) Standing Committee		Public Account Co	mm	ittee.
	c) Estimates Committee		Welfare of Minorit		
	Version -	dist.			

20	그리고 기계되고 되었다. 그리고 말하고 있다.	
39.	Think of the freshdent and vice—fr	esident is charged on
	a) Contingency Fund	b) P.M's Fund
41.	c) Parliament Fund	d) Consolidated Fund
40.	The Parliament of India exercises contro	l over the functions of the Council of Ministers
	through	그 일어 가지 않는 사람들은 얼마를 하는 것이 살아 있다. 아름이 있다면 없다.
	a) Adjournment motion	b) Question hour
	c) Supplementary question	d) All of these
41.	Which among the following is the final at a) President b) Supreme Court	ithority to interpret the Constitution?  c) Council of Minister d) Parliament
42.	A Governor holds office	ic 1 by the Parliament
	a) For Five years	b) For a period specified by the Parliament
	c) During the pleasure of the President	d) None of these
43.	Chairman of Legislative Council is	
10.41	a) Appointed by the Governor	b) The Governor
	c) Elected by the members of the Legisla	
	d) Appointed by the Speaker	
11	Plactice C.	
44.	Election Commission is a	b) Constitutional body
	a) Elected body	b) Constitutional body
	c) Statutory body	d) None of these
45.	A proclamation of National Emergency	must be placed before the Parliament for its
	approval.	
	a) Within 1 month b) Within 2 month	c) Within 6 month d) Within 1 year
46.	President's Rule can be imposed for a ma	ximum period of
	a) 1 year b) 2 years	c) 6 month d) 3 years
47	Which Constitutional Act made elementa	ry education a Fundamental Right?
47.	a) 86 <sup>th</sup> CAA 2002 b) 87 <sup>th</sup> CAA 2003	c) 91 <sup>st</sup> CAA 2003 d) 100 <sup>th</sup> CAA 2013
	a) 86 <sup>th</sup> CAA 2002 b) 87 <sup>th</sup> CAA 2003	0, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1
		the State I existe ive?
48.	Who summons, prorogues and dissolves	ine State Legislative?
	a) Chief Minister	b) Speaker
1	c) Governor of the State	d) President of India
		a Chaladh a tha tha a tha a sa a di a ta a ta a di
49.	Minimum and Maximum strength of the	Legislative Assembly is
	a) 60 and 500 b) 40 and 100	c) 70 and 700 d) 100 and 1000
St 5 14.	a) of and soo	
		lusta Constituency in the Widhen Devictoredh
50.		luate Constituency in the Vidhan Parishyadh
	$\overline{a)} \frac{1}{10}^{th}$ b) $\frac{2}{3}^{rd}$	c) 1/2 <sup>th</sup> d) 1/5 <sup>th</sup>
	17年,在在自己的影响的自己的意义。	

1 1 CH 1 CH 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CBCS SCHEME	BIDTK158/BIDTK258/22BD16
USN	1	Question Paper Version : A
First/Seco	and Semester R.E./R.Tech./R.Des.	Degree Examination, Dec. 2023/Jan. 2024
	Innovation and De	
	JAN ANTONOMIANO CO	The state of the s
Time	:: 1 hrs.]	[Max. Marks: 50
	INSTRUCTIONS TO	THE CANDIDATES
1.	Answer all the fifty questions, each questi	ion carries one mark.
2.	Use only Black ball point pen for writing	g / darkening the circles.
3.		answer, darken the appropriate circle
	corresponding to the same question nur	mber on the OMR sheet.
4.	Darkening two circles for the same question	on makes the answer invalid.
5.	Damaging/overwriting, using whiten	ers on the OMR sheets are strictly
	prohibited.	
1.	The stages of the design thinking process in of a) Understand > Draw > Ideate > Crate > Tes b) Empathize > Define > Ideate > Prototype > c) Empathize > Design > Implement > Production   Design > Implement > Production   Design > Implement > Production   Design > Implement >	Test ce > Test
	d) Understand > Define > Ideate > Produce >	Try
2.	The comprehensive principle of design thinki	
		b) Collaboration d) Suppliers
3.	Design Thinking typically help in	
A		b) Data Analysis d) Operation Management
4.	patients. However, Mr. ABC doesn't want	e can sell to nursing homes to use with their anything to do with older adults or people nking process, Mr. ABC will face problems

Version A - 1 of 6

In design, where does the information used to put together a problem statement come

c) Practicality

c) Inspiration

b) The ideate staged) The testing stage

d) Imagination

d) Ideation

b) Creativity

b) Implementation

The three I's of design thinking do not include

a) Empathy

a) Interest

a) The design stage

c) The define stage

from?

5.

6.

				rototype in the test stage of
7.	Collectingdesign.	is an important	A 909	prototype in the test stage of
	a) Pictures	b) Money	c) Feedback	d) E mails
8.	A pototype is a s	imple experimental r	nodel of a proposed so	lution used to
	a) Test ideas		b) Validate idea	45
	c) Both		d) None of thes	e
9.	Identify the corre	et statement		
	a) To derive the p	power of design thin faith about the exist	king, individuals, tear	ns and organizations must
	b) Leap of faith	is the page in the mout design thinking	anual of design thinki	ng containing the core
	c) Design thinkin	g presupposes that	some people are inher	rently creative and become ould have atleast one such
	person.		Ropment. The team six	
	d) None of these			
10.	Which is not for			
10.	a) Analytical	c modes of thinking? b) Judical	c) Critical	d) Synthetic
11.	Design thinker in	an organization are		
	a) People		b) Employees	
	c) Managers		d) All of these	4
12.	What is the main	objective of the empa	thize stage in design thi	nking?
	a) Understanding	the problem	b) Generating ide	
	c) Identifying the		(d) Building protot	
13.		gram provides inform	nation about	
		roduct interaction		
		raction among other	ideas	
		f problem statement		
	d) None of these			
14.	Value chain analys	sis process provides		
		ding of customer exp	ectations	
		ormation about partner		
	c) Better market a		✓ A SA S	
	d) All of these			
15.	Which one of the	below helps in gen	erating hypothesis abou	nt potential new business
	opportunities?		ATC 中国联系统 医二氯	
	a) Prototype	( Y	b) Rapid concept d	
tegral	c) Ideate		d) Learning launch	es
16.	A visualization ac	tivity was performe	d by the employees of	of a bulb manufacturing
of K	company which inc	luded information in	ine lonii oi	
	a) Images of variou	s types of bulbs prod	ners in the form of storie	s Library
	c) Clears or reduces	the possibilities of u	nmatched mental model	s/pictures
	d) All of the above			
	d) An ordine above	Ver	sion A - 2 of 6	

	- 11200 22BD10
17.	The goal of the prototype phase is
	a) To understand what component of your idea didn't work b) To understand what component of your idea worked
	c) Both of them
	d) None of them
18.	is a tool to use the trace.
10.	opportunities.
	a) Visualization c) Rapid concept development d) None of these
19.	Which tool is used for feasibility check of assumptions of the new business ideas?
	b) Rapid concept development
	c) Prototype  d) Assumption testing
20.	
	Identify the process that brings users and designers together to work towards a shared goal.
	c) Value chain analysis  b) Customer co-creation d) None of these
	Total of these
21.	Which process is a quick and inexpensive learning test to collect market driven data?
	b) Prototyping
	c) Customer co-creation d) None of these
22.	
22.	What is an example of a method for conducting user research?  a) Surveys  b) Usability testing
	a) Surveys c) Design sprints b) Usability testing d) All of these
23.	What is the process of collecting and analyzing data on how users interact with a design
	in real time called.
	a) Real Time design interaction capture
	b) Real Time design analysis
	c) Real Time design interaction analysis
	d) Real Time design interaction capture and analysis
24.	What is the main goal of enabling efficient collaboration in digital space?
	a) To create a digital environment where team members can easily share ideas, provide
in	feedback and work together on projects in real time.
	b) To develop a project management software for team members
	c) To train team members on how to use design collaboration software
	d) To implement video conferencing tools for remote team members
25.	What is the purpose of user testing?
	a) To gather feedback and identify areas for improvement in a product or service
	b) To create a user-centered design
	c) To create empathy map
24	d) To conduct user research
26	
26.	Which one of the following is not a part of various business process model steps?
	a) Process maps b) Process detection
	c) Process imitation d) Process termination

Version A - 3 of 6

		is components based on
	and divides her h	ousiness processes into basic components based on e business is called:
27	An employer Mrs. ABC divides her to their functions and performance for the Decider Management	e business is called:
	their functions and performance	
	a) Building Floduct Management	
	b) Business Product Management c) Business Process Modelling	
	d) Basic Product Management	
28.	What is the main focus of design think	ing in IT?
	a) Efficiency	b) Cost effectiveness
	c) User-centeredness	d) Innovation
29.	Which store is Daily Thinking Book	ess allows for the collaboration between designers,
	developers and stakeholders?	ess allows for the continu
	a) Empathize	b) Define
	c) Ideate	d) Test
30.	Which one of the following are advanta	ages of Business Process Modeling?
	a) Align operations with business strate	egy
	b) Improves process communication	
	c) Improves operational efficiencies	
	d) All of these	
31.	How and This is well	
31.	How can Design Thinking in IT improve	ve product services and processes?
	a) By identifying user needs and pain p b) By considering different perspective	oints
	c) By rapid prototyping and testing	Section Control of the second of the device of the second
	d) All of these	
32.	Which one of the following is part of A	gile Virtual collaboration approach?
	a) Allow openness	
	b) Establish a culture of continuous cor	
186	c) Develop a culture of courage and fle	Xibility
	d) All of these	
22	What is the main benefit of using a desi	:9
33.	a) Efficiency	b) Cost-effectiveness
	c) Improved user satisfaction	d) Innovation
hz	cy improved user satisfaction	iniovation
34.	Business process modeling replaced the	e organization's previous effective packages
	a) Time and motion study	b) Total quality management
	c) a and b	d) None of these
100		
35.	Which method can be used to design co	omplex software programs based on models, both
	structural and behavioural models?	
	a) Scenario based prototype	b) Agile discussion
	c) Simple prototype	d) None of these
36.	For a website development project in	an industry, the software developers divide the
illa	main project into many smaller project	ts and adopt an iterative approach to incorporate
	any changes needed as per frequent cust	tomer feedback. This type of approach is found in
	a) Agile method	b) Waterfall method
	c) Sprints	d) All of these

Version A - 4 of 6

		BIDTK158/BIDTK258/22BD16
	<ul> <li>A time boxed iteration of continuo that has to be completed by the tean</li> <li>a) Prototyping</li> <li>c) Experience Design</li> </ul>	us development cycle for a planned amount of work and made ready for review is called b) Sprint d) Business Model Design
		. V
3	8. Which one is the process of setting	goals, procedures and objectives in order to make a
	company or organization more company or organization	pctitive?
	b) Strategic management	
	c) Group discussion	
	d) Prototype	
3		art of any type of innovation?
	a) Disruptive	b) Radical *
	c) Conceptual	d) Architectural
\$1. T	Which impossing a is related to	new concept, product or service which will create
40	new value to the existing market and	l also create a completely new market?
	a) Incremental	b) Sustaining
	c) Disruptive	d) Radical
41	1. Duration of design thinking workship	ip can be
	a) 2 hrs	
	b) 2 days	
	c) one week	
	d) Depends on the context of the wo	rkshop
	. Which one of the following are part	of the scope of strategic innovation?
42	a) Managed innovation process	
	b) Strategic Alignment	
	c) Industries foresight and implement	tation
	d) All of these	
		Community The
43.	'The willingness to try something by	building, it is the evidence of experimentation'. The
	statement refers to	
	a) Story telling	
	b) Prototyping	
	c) Mind mapping	
	d) Conceptualizing	
		1instan in product development?
44.	How does experience design relate to	humanization in product development?
	a) Experience design focuses on crea	ting a positive user experience while, humanization
	focuses on making products more	user friendly.
	b) Experience design and humanizati	on are unrelated.
	c) Experience design and humanization	on focuses on creating a positive user experience
	d) None of these	선생님은 아이들은 얼마를 하는데 살아 있다.
		at in the markshap?
45.	Which one is not part of planning sta	ge of design thinking workshop:
	a) Learning goals	b) Pre-meeting
	c) Developing flow of activity	d) Idea testing

46.	innovation happens when a new technology completely disrupts existing
77.	business or economy and creates a new business model.
	a) Incremental b) Sustaining
	c) Disruptive d) Radical
47.	Which of the following is not consideration while representing the story of the product?
	a) The central idea of the product
	b) Engaging the participants
	c) Other products in market
	d) Incorporate adequate detail
48.	A company collects analysis of the second se
10.	A company collects, analyses and rework by considering negative feedback to learn and
	improve to create a solution that is
	a) Desirable to customer
	b) Feasible to implement
	c) Viable for long term success
	d) All of these
49.	What step of the design process was not considered for this tea pot?
	A CO TOTAL OF THE PARTY OF THE
	a) Research and Design
	b) Prototype and Testing
	c) Design and Manufacturing
	d) All of these
50.	Mr. XYZ is starting a clothing company. Instead of making clothing that fits models, he
	wants to start thinking about what non models/common people/end users need and plar
	his design around them. Accordingly, he is engaging in
	a) Design thinking
h	b) Model design
	c) End user generation
	d) Model thinking
	그 나타들은 그리는 경기에는 물리에는 가장 이렇게 모양을 하면 되는 것이 🔨 그리자는 그들은 가입니다. 그렇게 되었다면 생각이 되었습니다. 그렇게 되었습니다. 이렇게 되었습니다. 이렇게 되었습니다. 그렇게 그렇게 되었습니다. 그렇게 되