|| Jai Sri Gurudev ||

BGSKH Education Trust(R.) - A unit of Sri Adichunchanagiri Shikshana Trust(R.)

BGS College Of Engineering and Technology

VTU - II Semester June/July - 2024 - Exam Question Papers

Physics Cycle

||Jai Sri Gurudev ||
BGSKH Education Trust (R.) – A unit of Sri Adichunchanagiri Shikshana Trust(R.)
BGS College of Engineering and Technology
Mahalakshmipuram, West of Chord Road, Bengaluru-560086
(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)

Physics Cycle

II Semester Question Papers June/July 2024

Sl.No	Name of the Subject	Subject Code
1	Mathematics - II for CSE Stream	BMATS201
2	Applied Physics for CSE Stream	BPHYS102/202
3	Principles of Programming Using C	BPOPS103/203
4	Introduction to Mechanical Engineering	BESCK204D/BESCKD204
5	Introduction to Internet of Things (IOT)	BETCK205H/BETCKH205
6	Introduction to Cyber Security	BETCK1051/BETCK1105
7	Professional Writing Skills in English	BPWSK106/22BD2
8	Innovation and Design Thinking	BIDTK158/258/22BD16
9	Balake Kannada	BKBKK107/207
10	Samskruthika Kannada	BKSKK107/207

CBCS SCHEME

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BMATS201

Second Semester B.E./B.Tech. Degree Examination, June/July 2024
Mathematics – II for CSE Stream

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.
3. VTU Hand book is permitted.

			M	L	C
		Module – 1			
Q.1	a.	Evaluate $\int_0^a \int_0^x \int_0^{x+y} e^{(x+y+z)} dz dy dx$.	7	L2	CO1
	b.	By changing the order of integration evaluate $\int_0^{4a} \int_{x^2/4a}^{2\sqrt{ax}} xy dy dx$.	7	L3	CO1
	c.	With usual notation, prove that $\Gamma\left(\frac{1}{2}\right) = \sqrt{\pi}$.	6	L2	CO1
		OR			
Q.2	a.	Evaluate $\int_0^a \int_0^{\sqrt{a^2-y^2}} y^2\sqrt{x^2+y^2}\, dx dy$ by changing into polar coordinates.	7	L3	CO1
	b.	Find the area bounded between the parabolas $y^2 = 4ax$ and $x^2 = 4ay$ by double integration.	7	L2	CO1
	c.	Using Mathematical tool, write the code to find the volume bounded by the sphere $x^2 + y^2 + z^2 = a^2$ by double integration.	6	L3	CO5
		Module – 2			
Q.3	a.	Find the directional derivative of $\phi = xy^3 + yz^3$ at the point (2, -1, 1) in the direction of the vector $\hat{i} + 2\hat{j} + 2\hat{k}$.	7	L2	CO2
	b.	Verify whether the vector $\vec{F} = \frac{x\hat{i} + y\hat{j}}{x^2 + y^2}$ is both solenoidal and irrotational.	7	L2	CO2
	c.	Prove that the cylindrical coordinate system is orthogonal.	6	L2	CO2
		OR			
Q.4	a.	If $\vec{F} = \nabla(x^3 + y^3 + z^3 - 3xyz)$ find div $\vec{F}$ and curl $\vec{F}$.	7	L2	CO2
	b.	Find the angle between the normal's to the surface $x^2yz = 1$ at the points (-1, 1, 1) and (1, -1, -1).	7	L3	CO2
	c.	Using mathematical tool write the code to find divergence and curl of the vector $\vec{F} = (4xy - z^3)\hat{i} + 2x^2\hat{j} - 3xz^2\hat{k}$.	6	L3	CO5

		Module – 3			
Q.5	**a.**	Let W be a subset of $V_3(R)$ consisting of vectors of the form (a, a^2, b) where the second component is the square of the first. Is W a subspace of $V_3(R)$.	**7**	**L2**	**CO3**
	b.	Let P_n be the vector space of real polynomial functions of degree $\leq n$. Verify that the transformation $T : P_2 \rightarrow P_1$ defined by $T(ax^2 + bx + c) = (a + b)x + c$ is linear.	**7**	**L2**	**CO3**
	c.	Find the Kernel and range of the linear transformation $T : R^3 \rightarrow R^2$ defined by $T(x, y, z) = (x + y, z)$.	**6**	**L2**	**CO3**
		OR			
Q.6	**a.**	Determine whether or not each of the following $x_1 = (2, 2, 1)$, $x_2 = (1, 3, 7)$, $x_3 = (1, 2, 3)$ forms a basis in R^3.	**7**	**L2**	**CO3**
	b.	Verify Rank-nullity theorem for the transformation $T : R^3 \rightarrow R^3$ defined by $T(x, y, z) = (x + 2y - z, y + z, x + y - 2z)$.	**7**	**L2**	**CO3**
	c.	The inner product of the polynomials $f(t) = t + 2$, $g(t) = 3t - 2$ in $p(t)$ is given by $\langle f, g\rangle = \int_0^1 f(t)g(t)\,dt$. Find i) $\langle f, g\rangle$ ii) $\|f\|$ iii) $\|g\|$	**6**	**L2**	**CO3**
		Module – 4			
Q.7	**a.**	Find an approximate root of the equation $\cos x = 3x - 1$ correct to four decimal places using Regula Falsi method between 0.5 and 0.7.	**7**	**L2**	**CO4**
	b.	The area 'A' of a circle of diameter 'd' is given by the following table: d: 80 85 90 95 100 A: 5026 5674 6362 7088 7854 Using appropriate Newton's interpolation formula for equispaced values of x, find area of the circle corresponding to the diameter 105.	**7**	**L2**	**CO4**
	c.	Evaluate $I = \int_0^5 \frac{1}{4x+5}dx$ by Simpson's $1/3^{rd}$ rule by considering 10 sub intervals. Hence find an approximate value of log5.	**6**	**L3**	**CO4**
		OR			
Q.8	**a.**	Find the real root of $x \log_{10} x = 1.2$ correct to four decimals that lies near 2.5 using Newton Raphson method.	**7**	**L2**	**CO4**
	b.	Fit a polynomial for the following data using Newton's divided difference formula: x: -4 -1 0 2 5 y: 1245 33 5 9 1335	**7**	**L2**	**CO4**
	c.	Use trapezoidal rule to find $\int_0^{0.6} e^{-x^2}dx$ by taking seven ordinates.	**6**	**L3**	**CO4**

		Module – 5			
Q.9	**a.**	Employ Taylor's series method to obtain approximate solution at $x = 0.1$ and $x = 0.2$ for the initial value problem $\frac{dy}{dx} = 2y + 3e^x$, $y(0) = 0$.	**7**	**L2**	**CO4**
	b.	Apply Runge-Kutta method of fourth order to find an approximate solution at $x = 0.1$ given $\frac{dy}{dx} = 3x + y/2$, $y(0) = 1$.	**7**	**L2**	**CO4**
	c.	Apply Milne's predictor – corrector method to solve the equation $(y^2 + 1)dy - x^2dx = 0$ at $x = 1$ given $y(0) = 1$, $y(0.25) = 1.0026$, $y(0.5) = 1.0206$, $y(0.75) = 1.0679$.	**6**	**L2**	**CO4**
		OR			
Q.10	**a.**	Apply modified Euler's method to find solution at $x = 0.1$ by taking $h = 0.1$ given $y' = x^2 + y^2$, $y(0) = 0$.	**7**	**L2**	**CO4**
	b.	Find an approximate solution of $\frac{dy}{dx} = \frac{y^2 - x^2}{y^2 + x^2}$, $y(0) = 1$ at $x = 0.2$ using Runge-Kutta method of order four.	**7**	**L2**	**CO4**
	c.	Write the mathematical tool code to solve $\frac{dy}{dx} = x^2 + y$, $y(0) = 10$ using Taylor's series method at $x = 0,1(0.1)0.3$. Consider the terms upto fourth degree.	**6**	**L3**	**CO5**

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CBCS SCHEME

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BPHYS102/202

First/Second Semester B.E./B.Tech. Degree Examination, June/July 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. M : Marks , L: Bloom's level , C: Course outcomes.
3. VTU Hand book is permitted.

		Module – 1	M	L	C
Q.1	a.	Explain the construction and working of semiconductor LASER with a neat sketch and energy level diagram.	9	L2	CO1
	b.	Discuss different types of optical fibers based on modes of propagation and RI profile.	6	L2	CO1
	c.	An optical fiber has refractive index of core and cladding of 1.55 and 1.50, respectively. Calculate its numerical aperture and angle of acceptance if it is kept in air.	5	L3	CO5
		OR			
Q.2	a.	Obtain the expression for energy density of radiation in term of Einstein's A and B coefficients.	8	L2	CO1
	b.	Define numerical aperture and derive an expression for numerical aperture of an optical fiber.	7	L2	CO1
	c.	In a diffraction grating experiment the Laser light undergoes first order diffraction at an angle of 19.3°. Find the wavelength of Laser light. Given the grating constant $d = 1.98 \times 10^{-6}$m.	5	L3	CO5
		Module – 2			
Q.3	a.	Setup one dimensional time independent Schrodinger wave equation.	8	L2	CO
	b.	State Heisenberg's uncertainty principle and apply the same to prove the non-existence of free electron inside the nucleus.	7	L2	CO
	c.	An electron is bound in an infinite potential well of width 0.18nm. Find its energy values in the first two allowed energy states.	5	L3	CO2
		OR			
Q.4	a.	Obtain an expression for Eigen function and Eigen energy values for a particle in an infinite potential well of width 'a'.	9	L2	CO2
	b.	What is wave function? Mention the properties of wave function and give its significance.	6	L2	CO2
	c.	Calculate the kinetic energy of a neutron in eV. Given: de –Broglie wave length is 1 Å and mass of neutron, $m_n = 1.674 \times 10^{-27}$Kg.	5	L3	CO2
		Module – 3			
Q.5	a.	Distinguish between classical computing and Quantum computing.	6	L2	CO2
	b.	Explain the CNOT gate and its operation on four different input states.	6	L2	CO2
	c.	Apply Pauli matrices on the state |0> and |1>.	8	L3	CO2
		OR			
Q.6	a.	Explain the working of T-gate mentioning its matrix representation and truth table.	7	L2	CO2
	b.	Explain Orthogonality and Orthonormality with an example of each.	8	L2	CO2

	c.	A linear operator 'X' operates such that $X\|0> = \|0>$ and $X\|1> = i\|1>$. Find the matrix representation of 'X'.	5	L3	CO2
		Module – 4			
Q.7	a.	Mention the failures of classical free electron theory and explain the assumptions of Quantum free electron theory of metals.	7	L2	CO3
	b.	Explain Meissner's effect and the variation of critical field with temperature.	8	L2	CO3
	c.	A lead wire has a critical field of 6.5×10^3 A/m at 0 Kelvin. The critical temperature is 7.18K. At what temperature the critical field will drop to 4.5×10^3A/m.	5	L3	CO3
		OR			
Q.8	a.	Define Fermi factor and explain the variation of Fermi factor with temperature and energy.	8	L2	CO3
	b.	Differentiate Type – I and Type – II superconductors.	8	L2	CO3
	c.	Calculate the probability of occupation of an energy level 0.02eV above level at temperature 27°C.	4	L3	CO3
		Module – 5			
Q.9	a.	Explain the importance of (i) size and scale and (ii) weight and strength, in animation.	7	L2	CO4
	b.	Mention the general pattern of Monte – Carlo method and hence explain the procedure to find the value of 'π'.	8	L2	CO4
	c.	In the case of animating a jump, the jump height is 2.5m and jump magnification is 5. Calculate the push height and push acceleration. Given gravitational acceleration is 10m/s.	5	L3	CO5
		OR			
Q.10	a.	Describe jumping and parts of jump.	9	L2	CO4
	b.	Distinguish between descriptive and inferential statics.	6	L2	CO4
	c.	On a particular place, volcanic eruption occurs once in every 100years on an average. Calculate the probability of volcanic eruption in a 100 years interval for K = 0, 1 and 2, assuming the Poisson's model appropriate.	5	L3	CO5

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CBCS SCHEME

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BPOPS103/203

First/Second Semester B.E./B.Tech. Degree Examination, June/July 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 module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

			M	L	C
		Module – 1			
Q.1	a.	Define Computer. Explain the various types of computer.	10	L2	CO1
	b.	Explain the basic structures of C program in detail. Write a sample program to demonstrate the components in the structure of C program.	10	L2	CO2
		OR			
Q.2	a.	Explain scanf( ) and printf( ) functions in C language with syntax and example.	08	L2	CO2
	b.	What is variable? Explain rules for constructing variable in C. Give example for valid and invalid variable.	06	L2	CO2
	c.	Illustrate the flowchart and write a C program which takes as input p, t, v compute the simple interest and display result.	06	L2	CO2
		Module – 2			
Q.3	a.	Explain the following operators in 'C': i) Relational ii) Logical iii) Conditional iv) Bitwise.	08	L2	CO2
	b.	Explain for loop statement with syntax and example program.	06	L2	CO2
	c.	Write a C program to simulate simple calculator that performs arithmetic operations using switch statement. Error message should be displayed if any attempt is made to divide by zero.	06	L2	CO3
		OR			
Q.4	a.	Explain if, if-else, nested if and cascaded if-else statements with syntax and example.	08	L2	CO2
	b.	Write a C program that takes three coefficient (a, b, c) to calculate roots of quadratic equation, print all possible roots with appropriate messages for a set of coefficients.	06	L2	CO5
	c.	Explain break and continue statements with respect while, do-while and for loops.	06	L2	CO2
		Module – 3			
Q.5	a.	Define function. Explain categories of user defined functions.	10	L2	CO4
	b.	Define two-dimension array. Write a C program to multiply 2 matrix by ensuring their multiplication compatibility.	10	L2	CO3
		OR			
Q.6	a.	Explain function call, function definition and function prototype with syntax and example for each.	10	L2	CO4
	b.	Write a C program to implement Binary search for integers.	05	L2	CO3
	c.	What is Recursion? Write a C program to compute factorial of number using recursion.	05	L2	CO3
		Module – 4			
Q.7	a.	Define string. Explain any four string manipulating functions with example.	10	L2	CO3
	b.	Write a C program to concatenate two strings without using built-in function strcat( ).	05	L2	CO3
	c.	Explain string unformatted input/output functions with example.	05	L2	CO3

		OR			
Q.8	**a.**	Define pointer. Explain pointer variable declaration and initialization with suitable example.	**08**	**L2**	**CO3**
	b.	Explain pass by value and pass by address with example.	**04**	**L2**	**CO3**
	c.	Write a C program using pointers to compute sum, mean, standard deviation of all elements stored in an array of n real numbers.	**08**	**L2**	**CO3**
		Module – 5			
Q.9	**a.**	Explain structure declaration and how structure member are accessed with example.	**10**	**L2**	**CO3**
	b.	Implement a structure to read, write and compute average marks and the students scoring above and below average of class N students.	**10**	**L3**	**CO5**
		OR			
Q.10	**a.**	Compare between structure and union with syntax and example.	**06**	**L2**	**CO3**
	b.	Explain fopen( ), fclose( ), fscanf( ) and fprintf( ) with syntax and example program considering all above functions.	**10**	**L2**	**CO4**
	c.	What are enumeration variable? How are they declared?	**04**	**L2**	**CO3**

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BESCK204D/BESCKD204

Second Semester B.E./B.Tech. Degree Examination, June/July 2024
Introduction to Mechanical Engineering

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.

			M	L	C
		Module – 1			
Q.1	a.	With a neat sketch explain the working principle of Nuclear Power Plant.	10	L2	CO1
	b.	Write a short note on the following: i) Global Warming ii) Ozone Depletion	10	L2	CO1
		OR			
Q.2	a.	Elucidate the emerging trends and technologies in the following sectors: i) Manufacturing sector ii) Energy sector	08	L2	CO1
	b.	With a neat sketch explain the working principle of Hydro Power Plant.	08	L2	CO1
	c.	What is the role of mechanical engineering in Industries and Society?	04	L1	CO1
		Module – 2			
Q.3	a.	What is CNC? Explain the basic components of CNC machine with a neat sketch.	10	L1 L2	CO2
	b.	List different operations that can be performed on Lathe Machine and explain the following with a neat sketch: i) Turning ii) Knurling	10	L1 L2	CO2
		OR			
Q.4	a.	List the operations that are performed on Drilling machine and explain the below: i) Boring ii) Drilling	10	L1 L2	CO2
	b.	List the advantages and applications of CNC.	06	L1	CO2
	c.	Write a short note on 3D printing.	04	L2	CO2
		Module – 3			
Q.5	a.	With a neat sketch explain the working principle of 4 stroke petrol engine along with P.V. diagram.	10	L2	CO3
	b.	Explain the components of Electric and Hybrid vehicle with a neat sketch.	10	L2	CO3
		OR			
Q.6	a.	With a neat sketch explain the working principle of 4 stroke CI engine along with P.V diagram.	10	L2	CO3
	b.	Discuss the concept of Electric and Hybrid vehicles. Also list the advantages and disadvantages of EVs and Hybrid vehicles.	10	L2	CO3
		Module – 4			
Q.7	a.	Classify engineering materials.	04	L2	CO4
	b.	Differentiate between Soldering, Brazing and Welding.	10	L2	CO4
	c.	Write a short note on Diamond and Silica materials.	06	L2	CO4
		OR			
Q.8	a.	Explain the working principle of Electric Arc Welding with a neat sketch.	10	L2	CO4
	b.	Explain different types of Flames used in Gas welding.	06	L2	CO4
	c.	Write a short note on Shape Memory Alloys.	04	L2	CO4
		Module – 5			
Q.9	a.	Define Automation. Explain the types of automation.	10	L1 L2	CO5
	b.	With an example explain open and closed loop mechatronic system.	10	L2	CO5
		OR			
Q.10	a.	Define IoT and explain the characteristics of IoT.	10	L1 L2	CO5
	b.	Explain the functional blocks of IoT with a neat sketch.	10	L2	CO5

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BETCK205H/BETCKH205

Second Semester B.E./B.Tech. Degree Examination, June/July 2024
Introduction to Internet of Things (IOT)

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.

			M	L	C
		Module – 1			
Q.1	a.	Classify the network types based on physical topologies and connection types with schematic diagram.	10	L2	CO1
	b.	With a neat diagram, explain the interdependency technology for IOT planes.	10	L2	CO1
		OR			
Q.2	a.	With neat diagram, explain the network communication between two hosts following OSI model.	10	L2	CO1
	b.	Explain the interdependencies and reach of IoT over various application domains and networking paradigms.	10	L2	CO1
		Module – 2			
Q.3	a.	Outline the basic differences between transducers, sensors and actuators.	6	L2	CO2
	b.	Explain the major factors influence the choice of sensors in IoT based sensing applications.	8	L2	CO2
	c.	Define Sensor and explain the characteristics of sensor.	6	L1	CO1
		OR			
Q.4	a.	Classify the sensor based on : i) Power requirements ii) Sensor output iii) Power to be measured.	10	L2	CO2
	b.	Classify Sensing types on the nature of the environment and the physical sensors.	10	L2	CO2
		Module – 3			
Q.5	a.	Explain IoT device design and selection considerations.	10	L2	CO2
	b.	What are the parameters considered for off loading the data and identify typical data offload locations available in context of IoT.	10	L2	CO2
		OR			
Q.6	a.	Explain event detection using onsite , offsite remote processing topology and collaborative processing technology.	10	L2	CO2
	b.	Classify the data based on how they can be accessed and stored and the importance of processing of IoT.	10	L2	CO2

		Module – 4			
Q.7	**a.**	Explain the classification of virtualization based on the requirements of the user.	**6**	**L2**	**CO2**
	b.	Explain different types of cloud model.	**10**	**L2**	**CO1**
	c.	What is SLA and mention its metrics.	**4**	**L2**	**CO2**
		OR			
Q.8	**a.**	What are the advantages of virtualization?	**10**	**L2**	**CO1**
	b.	Explain different types of cloud simulators with its features.	**10**	**L2**	**CO1**
		Module – 5			
Q.9	**a.**	Explain the different components of health care IoT.	**10**	**L2**	**CO1**
	b.	Explain the architecture and advantages of vehicular IoT.	**10**	**L2**	**CO2**
		OR			
Q.10	**a.**	What is Machine Learning? What are the advantages and challenges of Machine Learning?	**10**	**L2**	**CO2**
	b.	What are the advantages and risk of health care IoT?	**10**	**L2**	**CO2**

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CBCS SCHEME

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BETCK205I/ BETCKI205

Second Semester B.E./B.Tech. Degree Examination, June/July 2024
Introduction to Cyber Security

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.	What is Cyber Crime? Explain cyber space and cyber squatting.	6	L2	CO1
	b.	Who are cyber criminals? Discuss the three group of cyber criminals.	8	L2	CO1
	c.	What is cyber defamation? Explain in detail.	6	L2	CO1
		OR			
Q.2	a.	List and explain classification of cyber crimes.	10	L2	CO1
	b.	Explain the hacking and the Indian law under Indian ITA 2000 cyber crimes.	10	L2	CO1
		Module – 2			
Q.3	a.	List and explain different categories of cyber crime.	6	L2	CO2
	b.	Briefly explain any six tips for effective search with "Google" search engine.	6	L2	CO2
	c.	Explain social engineering with its classification.	8	L2	CO2
		OR			
Q.4	a.	Briefly explain phases involved in planning a cyber crime.	10	L3	CO2
	b.	How Botnets create business? Explain how to secure the system by using botnets.	10	L3	CO2
		Module – 3			
Q.5	a.	What is phishing? Explain how it works.	6	L2	CO3
	b.	What are the purposes of proxy servers?	6	L2	CO3
	c.	Explain different ways of password cracking.	8	L2	CO3
		OR			
Q.6	a.	What are viruses and worms? Explain different types of viruses.	10	L2	CO3
	b.	Discuss different types of DOS attacks.	6	L2	CO3
	c.	What is Steganography? Mention some tools.	4	L2	CO3

		Module – 4			
Q.7	**a.**	Discuss about phishing techniques used by phishers to launch phishing attacks.	**10**	**L2**	**CO4**
	b.	Briefly explain various types of identity theft techniques.	**10**	**L2**	**CO4**
		OR			
Q.8	**a.**	Explain various types of phishing scams.	**10**	**L2**	**CO4**
	b.	Briefly explain four different methods of phishing.	**10**	**L2**	**CO4**
		Module – 5			
Q.9	**a.**	Illustrate digital Forensics life cycle.	**10**	**L3**	**CO5**
	b.	Discuss about the steps involved in solving a computer forensics case.	**10**	**L3**	**CO5**
		OR			
Q.10	**a.**	Explain chain of custody concept.	**10**	**L2**	**CO5**
	b.	Briefly explain network forensics.	**5**	**L2**	**CO5**
	c.	Explain what is RFC2822.	**5**	**L2**	**CO5**

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CBCS SCHEME

BPWSK106/206/22BD26

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Question Paper Version : A

First/Second Semester B.E./B.Tech./B.Design Degree Examination, June/July 2024

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 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.
5. **Damaging/overwriting, using whiteners on the OMR sheets are strictly prohibited.**

Choose the part of the sentence that has an error :

1. If I had known (a) this yesterday (b) I will have helped him (c) no error (d)
2. Having received your letter (a) this morning, we was writing (b) to thank you for the same (c) no error (d)
3. A large number of peoples (a) have gathered (b) to greek the leader (c) no error (d)
4. Driving for five hundred kilometers in a day (a) are a tiring proposition (b) no error (c)

Directions : Fill in the blanks with suitable phrasal verbs :

5. His arrogance _____ his ruin.
   a) brought in b) brought up
   c) brought about d) none of these
6. Henry _____ the magazine quickly.
   a) Looked through b) Looked up
   c) Looked in d) None of these

Directions : Choose a suitable verb to complete the sentence :

7. One of our employees _____ retiring today.
   a) are b) is
   c) were d) none of these

8. Either the teacher or the student _____ to be blamed for his performance in the final exam.
   a) are b) is
   c) were d) none of these

Directions : Fill in the blanks with suitable tenses :

9. Suddenly she gave a loud scream and _____ to the ground.
   a) had fallen b) has fallen
   c) fell d) none of these
10. The room _____ but the police failed to find anything suspicious.
   a) Searched b) was searched
   c) had searched d) none of these

Directions : Do as directed :

11. Okay, see you _____ the concert.
   a) at b) in
   c) for d) none of these
12. The children were _____ at having been informed about the trip.
   a) thrilling b) thrills
   c) thrilled d) none of these
13. _____ you ever been to Kashmir?
   a) Have b) Did
   c) Had d) None of these
14. Don't narrate _____ stories, they scare me.
   a) ghastly b) ghostly
   c) both 'a' and 'b' d) none of these
15. That _____ be true. He wouldn't do something like that.
   a) wouldn't b) shouldn't
   c) can't d) none of these

Directions : Rearrange the sentence :

16. defined as a place (a) where man is passive (b) and the rest of the nature is active (c) a sanctuary may be (d)
   a) a, b, c, d b) d, c, a, b
   c) b, c, d, a d) d, a, b, c
17. are simply at a loss (a) of 500 and 1000 rupee notes (b) all the corrupt politicians and their cronies (c) after the demonetization (d)
   a) c, a, d, b b) b, a, c, d
   c) d, c, b, a d) b, c, a, d

Directions : Change the voice of the following sentences :

18. You need to clean your shoes properly.
    a) Your shoes are needed to clean properly.
    b) You are needed to clean your shoes properly
    c) Your shoes need to be cleaned properly
    d) Your shoes are needed by you to clean properly

19. James watt discovered the energy of steam.
    a) The energy of steam discovered James watt
    b) The energy of steam was discovered by James watt.
    c) James watt discovering the energy of steam
    d) James watt had been discovered energy by the steam

Directions : Convert the following sentences from Direct to Indirect speech :

20. "I am sorry", he said.
    a) He apologized that he was sorry
    b) He cried that he was to be sorry
    c) He demanded that he was sorry
    d) All of these

Directions : Do as directed :

21. A sentence that introduces the topic of the main idea to the readers is called.
    a) Topic sentence
    b) First sentence
    c) Both 'a' and 'b'
    d) None of these

22. A paragraph which is written after analyzing a situation is called,
    a) Descriptive paragraph
    b) Analytical paragraph
    c) Illustrative paragraph
    d) narrative paragraph

23. The important parts of an essay are :
    a) Introduction
    b) Body
    c) Conclusion
    d) All of these

24. _____ is a gist of any passage written in as few words as possible.
    a) Essay writing
    b) Precis writing
    c) Analytical writing
    d) None of these

25. Which among the following is not a feature of reports?
    a) Focuses on facts and data
    b) Is written for a specific purpose
    c) Includes irrelevant information
    d) Is structured in an organized way

26. Reports which are submitted at regular intervals is called,
    a) Routine report
    b) Periodic report
    c) Both 'a' and 'b'
    d) None of these

27. A technical report establishes a,
    a) illogical conclusion
    b) logical conclusion
    c) personal prejudice
    d) misplaced learning

28. _____ is drafted in response to an advertisement or demand.
    a) Solicited proposal
    b) Unsolicited proposal
    c) Both 'a' and 'b'
    d) None of these

29. Childhood is a time when there are _____ responsibilities to make life difficult. If a child _____good parents, he is fed, looked _____ and loved.
    a) many, had, up
    b) few, has, after
    c) little, have, at
    d) all of these

30. Listening is a vital skill which helps in enhancing our learning.
    a) True
    b) False

31. Which among the following are barriers to listening?
    a) Forged attention
    b) Poor interpersonal relations
    c) Premature evaluation
    d) All of these

32. Which among the following should not be implemented for effective listening?
    a) Having an open mind
    b) Not being prejudiced
    c) Employing critical thinking
    d) Asking irrelevant questions

33. A business letter must be,
    a) written in proper format
    b) short and concise
    c) polite in tone
    d) All of these

34. The date on a business letter should appear after the salutation.
    a) True
    b) False

35. This format of the letter has the heading, dateline, complementary closure and signature right aligned.
    a) Block format
    b) Informal format
    c) Modified block format
    d) None of these

36. Which among the following is not to be mentioned in a resume?
    a) Educational qualification
    b) Work experience
    c) Strengths
    d) Weaknesses

37. The _____format of resume lists your work history with dates, with your most recent employer and job title listed first.
    a) Historical
    b) Functional
    c) Chronological
    d) All of these

38. BCC in an email refers to :
    a) British council careers
    b) Blind carbon copy
    c) Booked carbon copy
    d) None of these

39. The cover letter is written,
    a) To introduce oneself as the suitable candidate for the job.
    b) To give biographical details of the candidate.
    c) To try for the job
    d) To let the employer know of our writing skills

40. ____________ communication is a direct, written or oral communication that occurs between two or more persons
a) Interpersonal b) Extra-personal c) Intrapersonal d) None of these

41. In a group discussion one must communicate with,
a) Hostility b) Arrogance
c) Long sentences d) Knowledge

42. Which among the following should not be followed while appearing for an interview?
a) Arriving late to the venue b) Knowing your resume
c) Being formally dressed d) Knowledge of the company

43. When giving a presentation in front of an audience you should do all of the following except :
a) Speak loud and clear b) Provide handouts if needed
c) Dress professionally d) Lack of eye contact with the audience

44. A group discussion checks and monitors,
a) Leadership skills b) Listening ability
c) Confidence d) All of these

45. Communication helps to make accurate decisions and influence organizational performance positively.
a) True b) False

Directions : Fill in the Blanks :

46. What actually scared us ______ the fact that there was no one around to help us.
a) were b) was
c) with d) all of these

47. He was the man ________ they thought was dead.
a) of b) who c) whom d) all of these

48. The flowers smell __________.
a) Sweet b) Sweetly c) Sweeter d) Sweetest

49. The Guptas are travelling _________ plane.
a) at b) in c) on d) by

50. Which of the following sentence does not contain misplaced modifier?
a) Tired after a long day at work, Rita napped with her cat.
b) Happy that school was over, the afternoon was quite relaxing
c) We glued together the vase we broke quietly
d) My uncle had to see a doctor with indigestion

* * * * *

CBCS SCHEME

BIDTK158/258/22BD16

USN | | | | | | | | | | |

Question Paper Version : C

First/Second Semester B.E./B.Tech./B.Design Degree Examination, June/July 2024

Innovation and Design Thinking

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 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.
5. **Damaging/overwriting, using whiteners** on the OMR sheets are strictly prohibited.

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1. What is the goal of using agile technology in virtual collaboration environments for design thinking?
   a) To create aesthetically pleasing designs
   b) To increase efficiency and productivity in the design process
   c) To reduce costs for the organization
   d) To comply with industry regulations and standards

2. Why is scenario based prototyping important in innovation design thinking?
   a) It allows for faster development of prototypes
   b) It helps to identify potential usability issues before the product is released
   c) It reduces the cost of creating prototypes
   d) None of these

3. What is the first step in scenario based prototyping?
   a) Creating a detailed technical specification
   b) identifying potential users and use cases
   c) Building a physical mock up of the product
   d) None of these

4. What are the key stages of the design thinking process?
   a) Ideation, testing, and implementation
   b) Empathy, define, ideate, prototype and test
   c) Planning, execution and evaluation
   d) None of these

5. What is storytelling in the context of design thinking?
   a) It is the process of creating a narrative around a design solution.
   b) It is the process of creating a story board to communicate design ideas.
   c) It is the process of creating a visual representation of a design concept.
   d) None of these

6. What are some common tools and techniques used in strategic foresight?
   a) Scenario planning, trend analysis, and expert interviews
   b) Prototyping, user testing and iterative design
   c) Market research, customer feed back, and competitive analysis
   d) None of these

7. What are some common tools and techniques used in sensemaking?
   a) Empathy mapping, customer journey mapping and data visualization.
   b) Prototyping, user testing and iterative design.
   c) Market research, customer feedback and competitive analysis
   d) None of these

8. What is maintenance in the context of design thinking?
   a) The process of repairing and upgrading existing design solutions.
   b) The process of creating new design solutions from scratch.
   c) The process of evaluating the effectiveness of existing design solutions.
   d) None of these

9. What is value redefinition in the context of design thinking?
   a) The process of identifying and redefining the value proposition of a design solution.
   b) The process of creating a detailed technical specification for a design solution.
   c) The process of evaluating the effectiveness of existing design solutions.
   d) None of these

10. What is extreme competition in the context of design thinking?
    a) The process of competing against other design teams to create the best solution.
    b) The process of pushing design teams to their limits to create innovative solutions.
    c) The process of collaborating with competitors to create a joint solution.
    d) None of these

11. Design thinking is _____
    a) A process that allows engineers and designers to create new and innovative solutions to business challenges.
    b) An iterative, non-linear process which focuses on a collaboration between designers and users.
    c) a and b
    d) None of these

12. Select the correct order of the different stages of design thinking.
    i) Empathize ii) Define iii) Ideate iv) Prototype v) Test
    a) ii – iii – iv – v – i b) i – ii – iii – iv – v
    c) iii – iv – v – i – ii d) iv – v – i – ii – iii

13. Which of the following principles are not considered for design thinking?
    a) Embrace experimentation b) Human centric design
    c) Profit centric d) Pattern identification for problem solving

14. To empathize one has to
    a) Observe b) Engage c) Listen d) All of these

15. Which of the following are not tools of visualization?
    a) Maps b) Images c) Stories d) Videos

16. Journey mapping is also called _____ mapping
a) Path b) Experience c) Conduct d) Feedback

17. Which of the following are not tools of design thinking?
a) Co creation b) Proto typing c) Mind mapping d) Online mapping

18. Which design thinking phase is closely related to the creation of an minimum viable product (MVP)?
a) Empathize b) Prototype c) Ideate d) Test

19. Which one is the minimum viable product?
a) 
b) 
c) Both a and b d) None of these

20. How can the theory and practice of design thinking work together?
a) Theory provides a set of rules to follow, while practice ensures the rules are applied effectively.
b) Theory and practice are two separate processes that do not overlap.
c) Theory provides a framework for creative problem solving, while practice develops the skills and knowledge to apply the framework effectively.
d) Theory and practice are interchangeable and can be used in any order.

21. What is experience design in the context of design thinking?
a) The process of designing physical products and services.
b) The process of designing digital interfaces and interactions.
c) The process of designing holistic experiences for users across all touch points.
d) None of these

22. What is standardization in the context of design thinking?
a) The process of creating standardized design solutions.
b) The process of following a standard set of design principles.
c) The process of establishing standards for design processes and methodologies.
d) None of these

23. What is humanization in the context of design thinking?
a) The process of making designs more human centered and empathetic.
b) The process of making designs more technically advanced.
c) The process of making designs more aesthetically pleasing.
d) None of these

24. How can a creative culture be fastened in the design thinking process?
a) By encouraging risk-taking and experimentation
b) By establishing rigid design processes and guide lines
c) By prioritizing cost effectiveness over innovation
d) None of these

25. What are some common tools and techniques used in rapid prototyping?
a) Sketching, wire framing and paper prototyping
b) 3D printing, laser cutting and CNC machining
c) User research, market analysis and competitive analysis
d) None of these

26. How can a business model be designed using design thinking?
a) By identifying customer needs and pain points and designing solutions that address them.
b) By following a set of established business practices and industry standards.
c) By prioritizing cost effective over customer value.
d) None of these

27. Which phase is referred to as an experimental phase where continuous iterations can take place?
a) Define b) Empathise c) Prototype d) None of these

28. What is the term used to describe the process of narrowing down thoughts to reach the final solution?
a) Convergent thinking b) Divergent thinking
c) None of these d) Both a and b

29. Design thinking is typically used to provide a solution based approach to problem solving
a) True b) False

30. Can design thinking be applied in professions outside of design?
a) True b) False

31. How can real time interaction and analysis be integrated into the design process?
a) By conducting user research and testing at the end of the design process only.
b) By eliminating user feedback and relying solely on personal preferences.
c) By analyzing market trends and sales data only.
d) By incorporating user feedback throughout the entire design process.

32. What are some common tools used in the empathy phase of design thinking?
a) Persona development and user interviews
b) Brain storming and ideation sessions
c) Sketching and prototyping
d) User testing and feedback analysis.

33. What is the role of empathy in design thinking in IT?
a) To understand the needs and challenges of IT users and stake holders.
b) To create visually appealing IT products and services.
c) To ensure compliance with industry standards and regulations.
d) To increase profits for the IT organization.

34. What is the importance of prototyping in design thinking in IT?
a) To test and refine IT products and services before launch.
b) To show case IT capabilities to stake holders.
c) To impress user with cutting edge technology.
d) To ensure compliance with industry standards and regulations.

35. What is the goal of using design thinking in business process modeling?
a) To create visually appealing process diagrams.
b) To stream line business operations and increase efficiency.
c) To reduce costs for the organization.
d) To comply with industry regulations and standards.

36. What is the importance of prototyping in design thinking in business process modeling?
a) To test and refine process models before implementation.
b) To show case the organizations capabilities to stakeholders.
c) To impress users with cutting edge technology.
d) To ensure compliance with industry standards and regulations.

37. What are some common challenges that can be addressed using design thinking in business process modeling?
a) Inefficient processes that waste time and resources.
b) Poor communication and collaboration between departments.
c) Resistance to change from process users and stakeholders.
d) All of these

38. What is the goal of using agile methodology in design thinking?
a) To create aesthetically pleasing designs
b) To increase efficiency and productivity in the design process
c) To reduce costs for the organization
d) To comply with Industry regulations and standards.

39. What is the importance of prototyping in agile design thinking?
a) To quickly test and refine design ideas
b) To showcase design capabilities to stoke holders
c) To impress users with cutting edge technology
d) To ensure compliance with industry standards and regulations

40. What are some common challenges that can be addressed using agile design thinking?
a) Inefficient design processes that waste time and resources.
b) Poor communication and collaboration between team members.
c) Resistance to change from users and stakeholders.
d) All of these

41. What is real-time design interaction capture and analysis?
a) A process of capturing user feedback after the design process is complete.
b) A method of analyzing design interactions as they happen.
c) A technique for capturing user interactions with a product after it is released.
d) A way to analyze design interactions after they have occurred.

42. What types of interactions can be captured and analyzed in real-time design interaction capture and analysis?
a) User feed back and comments
b) User interface interactions
c) User demographic and preferences
d) User purchase behavior.

43. What is the importance of collaboration in design thinking?
a) It speeds up the design process
b) It eliminates the need for user research
c) It ensures all design decisions are final
d) It brings diverse perspectives and expertise to the design process.

44. What are some digital tools that can be enable efficient collaboration in design thinking?
a) E Mail
b) Social media platforms
c) Video conferencing and collaboration software
d) Design software

45. What is empathy in design?
a) Understanding the emotions and experiences of users
b) Creating products that appeal to users emotions
c) Limiting the number of user persons in the design process
d) Only designing products based on market research.

46. Why is empathy important in the design process?
a) It ensures all design decisions are final
b) It brings perspectives and expertise to the design process
c) It speeds up the design process
d) It results in product that meet users needs and desires.

47. What is the benefit of empathy in design?
a) It guarantees success in the market
b) It speeds up the design process
c) It ensures all design decisions are final
d) It leads to more meaningful and impactful products.

48. What is distributed design collaboration?
a) Collaboration between designers who are geographically separated.
b) Collaboration between designers and machines.
c) Collaboration between designers and machines
d) Collaboration between designers from different industries.

49. What are some challenges of distributed design collaboration?
a) Limited access to digital tools
b) Technical difficulties and connectivity issues
c) A lack of clear communication channels
d) A limited pool of expertise and perspectives

50. What are some benefits of real-time interaction and analysis in design thinking?
a) It allows for quick and agile decision making
b) It limits the number of team members involved in the design process
c) It eliminates the need for user research and testing
d) It reduces the amount of feed back received from users.

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CBCS SCHEME

BKBKK107/207

USN | | | | | | | | | | |

Question Paper Version : D

First/Second Semester B.E. /B.Tech. Degree Examination, June/July 2024

Balake Kannada

(COMMON TO ALL BRANCHES)

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 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.
5. **Damaging/overwriting, using whiteners** on the OMR sheets are strictly prohibited.

Fill in the blank for the given English words into Kannada meaning.

1 Long _____
a) Chikka b) Dappa c) agala d) Udda

2 New _____
a) gaTTi b) Hosa c) HaLeya d) Taaja

3 Hard _____
a) SaNNA b) gaTTi c) hagura d) dubaari

4 Salty _____
a) Uppu b) huLi c) Khaara d) Sihi

5 Dirty _____
a) Subhra b) BiLi c) ONa d) galiiju

Match the following using the Table given below?

a)	Student	i)	Vidyalaya
b)	Younger brother	ii)	Vidyarthi
c)	Teacher	iii)	Vaidya
d)	Doctor	iv)	Tamma
e)	College	v)	Shikshaka

6 Student _____
a) = i b) = ii c) = iii d) = iv

7 Younger Brother _____
a) = i b) = ii c) = iii d) = iv

8 Teacher _____
a) = i b) = ii c) = iv d) = v

9 Doctor _____
a) = i b) = ii c) = iii d) = iv

10 College _____
a) = i b) = ii c) = iii d) = iv

Transform the following Kannada words as per the given model (example) :
Example : angaDi – angaDiyalli

11 Kacheri _____
a) Maneyalli b) Kacheriyalli c) Shaleyalli d) Halliyalli

12 Batte _____
a) Batteyalli b) Angiyalli c) BaNNadalli d) Batteyinda

13 How would you write "his Mother" in Kannada?
a) Avana Tande b) Avana Tamma c) Avana Taayi d) Avana Tangi

14 How would you write "This is My College" in Kannada?
a) Adu Nnma Vidyalya b) Idu Nanna Vidyalaya
c) Adu Avara Vidyalaya d) Idu Ivana Vidyalaya

15 How would you write "Who is She?" in Kannada?
a) AvaLu Yaaru? b) Avanu Yaaru? c) Idu Yaaru d) Ivaru Yaaru?

16 What is the meaning of "Don't – go"?
a) Bara Beda b) Hoga Beda c) Tinna Beda d) Kadiya Beda

17 What is the meaning of "My Book" in Kannada?
a) Nanna Mitra b) Nanna Pustaka c) Nanna Angi d) Nanna Mane

18 What is the meaning of "Flower" in Kannada?
a) HaNNu b) Hoovu c) Ele d) Mane

19 Which one of the following means the color "Red" in Kannada?
a) Kempu b) BiLi c) NeeLi d) HaLadi

Match the following using the table given below :

a)	Green	i)	Huduga
b)	Fruit	ii)	Sihi
c)	Boy	iii)	HaNNu
d)	Son	iv)	Hasiru
e)	Sweet	v)	Maga

20 Green _____
a) = i b) = ii c) = iii d) = iv

21 Fruit _____
a) = i b) = ii c) = iii d) = v

22 Boy _____
a) - i b) - ii c) - iii d) - iv

23 Son _____
a) - i b) - ii c) - iv d) - v

24 Sweet _____
a) - i b) - ii c) - iii d) - v

Translate the following Kannada words into English.

25 MagaLu
a) Son b) Mother c) Daughter d) Sister

26 Kappu BaNNa
a) Black color b) Red color c) White color d) Green color

27 Obba Vidyarthi
a) One Teacher b) One Servant c) One Brother d) One Student

Translate the following English words into Kannada.

28 Book _____
a) Buk b) Pustaka c) Byag d) Pencil

29 Her House
a) IvaLa Mane b) AvaLa Mane c) Avana Mane d) Adara Mane

30 Big Tree
a) Chikka Mara b) doDDa Mara c) AgaLa Mara d) SaNNa Mara

Write the Kannada vocabulary for the following English words.

31 Who _____
a) Enu b) Eke c) Yaaru d) Elli

32 This _____
a) Idu b) Adu c) Avu d) Ivu

33 She _____
a) avanu b) avaLu c) avaru d) Ivaru

34 His _____
a) avariage b) avaLu c) avana d) Nanage

35 When _____
a) Yaaru b) Hege c) Estu d) Yavaga

Write appropriate words for the following :

36 Where _____
a) ELLi b) Yaake c) Yaaru d) Estu

37 Teacher _____
a) GeLathi b) Shikshaka c) Vidyarti d) Huduga

38 Girl _____
a) Huduga b) Mitra c) Hudugi d) Snehita

39 Bitter _____
a) Sihi b) Uppu c) Kahi d) Khara

40 Library _____
a) Shale b) Vidyakaya c) AngaDi d) Granthalaya

Write the English Word for the following :

41 Mane _____
a) Hotel b) House c) Shop d) Street

42 Mara _____
a) Tree b) Leaf c) Flower d) Fruit

43 Maga _____
a) Father b) Mother c) Uncle d) Son

44 Amma _____
a) Younger Brother b) Elder Brother c) Mother d) Elder Sister

45 HaNNu _____
a) Fruit b) Flower c) Seed d) Plant

Translate the following English sentence into Kannada sentence.

46 Who are you?
a) Naanu Yaaru b) avaLu Yaaru c) niinu Yaaru d) adu Yaaru

47 What is your name?
a) Ninna Hesaru Enu? b) Nanna Hesaru Enu
c) Idara Hesaru Enu? d) AvaLa Hesaru Enu

48 Where is your House?
a) Avana Mane Elli Ide? b) Ninna Mane Elli Ide?
c) AvaLa Mane Elli Ide? d) Adara Mane Elli Ide?

49 Who is he?
a) Adu Yaaru? b) Avanu Yaaru? c) Idu Yaaru? d) Idu Elli?

50 Where is your younger sister?
a) Ninna Tamma Elli Iddale? b) Ninna Akka Elli Iddale?
c) Ninna Tangi Elli Iddale? d) Ninna Anna Elli Iddale?

* * * * *

USN | | | | | | | | | |

BKSKK107/207

Question Paper Version : A

First/Second Semester B.E/B.Tech. Degree Examination, June/July 2024

ಸಾಂಸ್ಕೃತಿಕ ಕನ್ನಡ

(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 ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ನಿಗದಿಪಡಿಸಿರುವ ಸ್ಥಳದಲ್ಲಿ ಭರ್ತಿಮಾಡದೆ ಹಾಗೆಯೇ ಬಿಟ್ಟಲ್ಲಿ ಅಥವಾ ಭರ್ತಿಮಾಡಿದ ಮಾಹಿತಿಯಲ್ಲಿ ಯಾವುದೇ ವ್ಯತ್ಯಾಸವಿದ್ದಲ್ಲಿ ಅಂತಹ ಉತ್ತರ ಪತ್ರಿಕೆಗಳನ್ನು ರದ್ದು ಪಡಿಸಲಾಗುವುದು.
4. ಕೇವಲ ಒಂದು ಉತ್ತರವನ್ನು ಮಾತ್ರ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ಗುರುತಿಸತಕ್ಕದ್ದು. ಒಂದೆ ಪ್ರಶ್ನೆಗೆ ಎರಡು ಉತ್ತರವನ್ನು ಗುರುತಿಸುವುದು ಅಮಾನ್ಯ.
5. ಎಲ್ಲಾ ಉತ್ತರಗಳನ್ನು ನಿಮಗೆ ಒದಗಿಸಲಾದ ಓ.ಎಂ.ಆರ್ ಉತ್ತರ ಪತ್ರಿಕೆಯ ಹಾಳೆಯ ಮೇಲೆ ಕಪ್ಪು ಅಥವಾ ನೀಲಿ ಶಾಹಿಯ ಬಾಲ್‌ಪಾಯಿಂಟ್ ಪೆನ್ನಿನಿಂದ ಗುರುತು ಮಾಡಬೇಕು.

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1. ತಾಳಗುಪ್ಪ ಗಿರಿಜನ ಶ್ರಮ ಶಾಲೆಯ ಮಾಸ್ತರರು ಯಾರು?
   a) ಸಮಪಾಲುಗೋಪಣ್ಣ b) ಪ್ರಹ್ಲಾದ c) ಹುಚ್ಚಪ್ಪ d) ಕರೀಂಖಾನ
2. ಗೋಪಣ್ಣ ಮಾಸ್ತರು ಕಡಗರಿ ಗಿಡದಲ್ಲಿ ಏನು ನೋಡಿದರು?
   a) ಹೂ b) ಹಣ್ಣು c) ಬಟ್ಟೆ d) ಜನಿವಾರ
3. ಹಾಡುವಳ್ಳಿಗೆ ಹಿಂದೆ ------ಹೆಸರಿತ್ತು.
   a) ಸಂಗೀತಪುರ b) ಭಟ್ಟಳ c) ಸಾಗರ d) ಕಾರವಾರ
4. ಹೊಸಟೆಗುರು ----- ಕೂಡಿರಲು ದುರಸೊಬಗು
   a) ಹೊಸ ಎಲೆ b) ಹೊಸ ಹಸಿರು c) ಹೊಸಕಾಂಡ d) ಹಳಬೇರು
5. "ಪರಿಸರ, ಪರಂಪರೆ ಹಾಗೂ ಪ್ರತ್ಯಕ್ಷ ಜೀವನದ ಅನೇಕ ಸಂಸ್ಕಾರಗಳ ಮೂಲಕ ಮನುಷ್ಯನ ಅಂತರಂಗ ಪಡೆಯುವ ಪರಿಷ್ಕೃತ" ಯನ್ನು ------ ಎನ್ನಲಹುದು.
   a) ಕಲೆ b) ಸಂಸ್ಕಾರ c) ಸಂಸ್ಕೃತಿ d) ಕೆಂಪು

6. ಕುಣಬಿ ಜನರ ಮುಖ್ಯವಾದ ಹಬ್ಬ ಯಾವುದು?
   a) ಯುಗಾದಿ b) ದಸರಾ c) ಹೋಳಿ ಹುಣ್ಣಿಮೆ d) ದೀಪಾವಳಿ
7. ಬಣ್ಣಗಳನ್ನು ನೀಡುವ ಗಿಡಗಳು ಭಾರತದಲ್ಲಿ ಎಷ್ಟವೆ.
   a) 400 b) 300 c) 500 d) 600.
8. ಕರಕುಶಲ ಕಲೆಗಳಿಗೆ ಪೆಟ್ಟು ಬಿದ್ದಿದ್ದು ಯಾವುದರಿಂದ?
   a) ಜಾಗತೀಕರಣ b) ಖಾಸೀಕರಣ
   c) ಕೈಗಾರಿಕರಣ d) ಸೋಂಬೇರಿತನ
9. ಸತಿ ಪದದ ಅರ್ಥವೇನು?
   a) ಹೆಂಡತಿ b) ಪತಿ c) ಮಕ್ಕಳು d) ತಾಯಿ
10. ವಿದ್ಯಾವರ್ಧಕ ಸಂಘ ಎಲ್ಲಿ ಸ್ಥಾಪನೆಯಾಯಿತು?
    a) ಬೆಂಗಳೂರು b) ಧಾರವಾಡ
    c) ಶಿವಮೊಗ್ಗ d) ಮೈಸೂರು
11. ಕಾಲಿಗೆ ಬಿದ್ದವರ ಯಾವುದು ತುಳಿಯುತ್ತಲಿತ್ತು?
    a) ಹಣ b) ಕಾಂಚಾನ c) ಬಂಗಾರ d) ಕುರುಡ ಕಾಂಚಾಣ
12. ಭಾಷೆಗೆ ಎಷ್ಟು ಪ್ರಮುಖ ಕೌಶಲ್ಯಗಳು ಇರುತ್ತವೆ?
    a) 10 b) 20 c) 08 d) 04
13. ಆದಳಿತ ಭಾಷೆ ಯಾವಾಗಲೂ ------ ಇರಬೇಕು.
    a) ಕಷ್ಟಕರವಾಗಿ b) ಅರ್ಥವಾಗದಂತೆ
    c) ಸರಳ ಮತ್ತು ಸ್ಪಷ್ಟವಾಗಿ d) ಗೊಂದಲದಿಂದ.
14. ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಮಾಸ್ತರಿಗೆ ಸಹಾಯ ಮಾಡಿದ ದಾದಿ ಯಾರು?
    a) ಚಾಂದಿನಿ b) ರಾಧ c) ಫಾತಿಮಾ d) ರುಕ್ಮಿಣಿ
15. ------- ಭಾರತದ ಕೆಲವು ನೇಕಾರರು ಚಂದಿ ಬಟ್ಟೆಯ ಕಂಬಳಿಗಳನ್ನು ತಮ್ಮ ಮಗ್ಗಗಳಲ್ಲಿ ನೇಯುವರು.
    a) ಉತ್ತರ b) ಪೂರ್ವ c) ಪಶ್ಚಿಮ d) ದಕ್ಷಿಣ
16. ಎಲ್ಲರನು ಸಲಹುವವನು ಯಾರು?
    a) ಪುರಂದರ ವಿಠಲ b) ಕಾಣಿನಲೆ ಆದಿಕೇಶವ
    c) ಮಲ್ಲಿಕಾರ್ಜುನ d) ಕೂಡಲಸಂಗಮದೇವ

17. ಶ್ರೀಮಂತರು ಯಾರ ಕಚ್ಚಿನ ಕವಡೆಯನ್ನು ಜೋಮಾಲೆ ಮಾಡಿಕೊಂಡು ಹಾಕಿಕೊಳ್ಳುವರು?
a) ಬಾಡಂತಿ b) ಸಣ್ಣ ಕುಂದಮ್ಮ c) ಮುದುಕರು d) ಹೆಂಗಸರು.

18. ಯಾವ ಜನಾಂಗದ ಚಿತ್ರಿಕರಣ ಲೇಖಕರ ಮನದಲ್ಲಿತ್ತು?
a) ಗೊಂಡ b) ತೊಡವ c) ನಾಗ d) ಅಲಮಾರಿ.

19. ಕುಂಬಾರತಿ ಯಾವುದರ ಮೇಲೆ ಮುಗಿಯನ್ನು ಇಡುವಳು?
a) ಕಲ್ಲು b) ಗಡಿಗೆ c) ವಸುಧೆ d) ಕಟ್ಟೆ.

20. ವಿಷಸರ್ಪಗಳಿಗೆ ಯಾವುದರ ಗೂಡು ಹುತ್ತವಾಗುವುದು?
a) ಗೆದ್ದಲಿರುವೆ b) ಉಡ c) ಇಲಿ d) ಗೀಜಗ.

21. ಎಲ್ಲರೊಳಗೆ ನಾವು ಏನಾಗಬೇಕೆಂದು ಡ.ವಿ.ಜಿ ತಿಳಿಸಿದ್ದಾರೆ?
a) ಬೇರೆಯಾಗಬೇಕು b) ಒಂದಾಗಬೇಕು
c) ದೂರವಾಗಬೇಕು d) ಮಾತಾಡಬೇಕು.

22. ಕಬ್ಬಿಗರ ಕಾವ್ಯ ಇದರ ಕರ್ತೃ ಯಾರು?
a) ಪಂಪ b) ಅಂದಯ್ಯ c) ಬಸವಣ್ಣ d) ಹಂಪನಾ.

23. ಕುರಿಗಂಜಿ ಹುತ್ತವ ಹೊಕ್ಕಡೆ ------ ತಿಂಬುದ ಮಾಬುದೆ?
a) ಸರ್ಪ b) ಆನೆ c) ಸಿಂಹ d) ಚಿರತೆ.

24. ಪುರಂದರ ದಾಸರ ವಚನಗಳ ಅಂಕಿತನಾಮ ಯಾವುದು?
a) ರಾಮನಾಥ b) ವಿಠಲ
c) ಗುರೇಶ್ವರ d) ಪುರಂದರ ವಿಠಲ.

25. ಶಲ್ಯಪಿಸಿರಿ ಕಂಡ್ಯ ತಾಳು ಮನವೇ ಕೀರ್ತನೆ ಕೀರ್ತನಕಾರರು ಯಾರು?
a) ಪುರಂದರದಾಸರು b) ಕನಕದಾಸರು
c) ಶಿವಯೋಗಿ d) ಶಿಶುನಾಳ ಶರೀಫರು.

26. ಕುಂಬಾರಿ ಅದು ಕಾಸಿಗೊಂದು ಏನನ್ನು ಮಾರುತ್ತಾಳೆ?
a) ಕುಡಿಕೆ b) ಮಡಿಕೆ
c) ಗುಡಾಣ d) ಗಡಿಗೆ.

27. ಕನ್ನಡ ಭಾಷೆಯ ಲಿಪಿಯನ್ನು ಲಿಪಿಗಳ ರಾಣಿ ಎಂದು ಕರೆದವರು ಯಾರು?
a) ಸರೋಜಿನಿ ನಾಯ್ಡು b) ಮದರ ತರೆಸಾ
c) ವಿನೋಬಾ ಭಾವೆ d) ಒನಕೆ ಓಬವ್ವ.

28. ಮೋಹಿನಿಗೆ ಮರುಳಾದವರು ಯಾರು?
a) ಮಾನವನು b) ಮಹಿಳೆಯರು
c) ಮೂರ್ಖದಾನವರ d) ಯಾರು ಇಲ್ಲ

29. ಹೊಸಬಾಳಿನ ಗೀತೆ ಕವನದ ಕವಿ ಯಾರು?
a) ಕುವೆಂಪು b) ಬೇಂದ್ರೆ c) ಶಿವರುದ್ರಪ್ಪ d) ಡಿ.ವಿ.ಜಿ.

30. ಅವರವರ ಭಕುತಿಗೆ ಅವರವರ ಭಾವಕ್ಕೆ ಎಂದು ಹಾಡಿದವರು ಯಾರು?
a) ಶಿಶುನಾಳ ಶರೀಫ b) ಕುವೆಂಪು
c) ಡಿ.ವಿ.ಜಿ d) ಬಾಲಲೀಲಾ ಮಹಾಂತ ಶಿವಯೋಗಿ.

31. ಮೈಸೂರು ರಾಜ್ಯಕ್ಕೆ ಕರ್ನಾಟಕ ಎಂದು ನಾಮಕರಣ ಮಾಡಿದ ವರ್ಷ -------.
a) 1973 b) 1964 c) 1955 d) 1947.

32. ಸರ್. ಎಂ. ವಿಶ್ವೇಶ್ವರಯ್ಯನವರು ಪಡೆದಿರುವ ದೇಶದ ಅತ್ಯುತ್ತಮ ಪ್ರಶಸ್ತಿ ಯಾವುದು?
a) ಪದ್ಮಶ್ರೀ b) ಪದ್ಮಭೂಷಣ
c) ಪದ್ಮವಿಭೂಷಣ d) ಭಾರತ ರತ್ನ

33. ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಆಡಳಿತ ಭಾಷೆ ಯಾವುದು?
a) ಕನ್ನಡ b) ತಮಿಳು c) ತೆಲಗು d) ಹಿಂದಿ.

34. ಕರ್ನಾಟಕದ ರಾಜಧಾನಿ ಯಾವುದು?
a) ಮೈಸೂರು b) ಬೆಂಗಳೂರು
c) ಧಾರವಾಡ d) ಬೆಳಗಾವಿ.

35. ಸಂತ ಶಿಶುನಾಳ ಶರೀಫರು ಹೆಸರುವಾಸಿಯಾಗಿದ್ದುರು ----- ಗಳಿಗೆ.
a) ಜನಪದ b) ಕೀರ್ತನೆ c) ವಚನ d) ತತ್ವಪದ.

36. ಬಟ್ಟೆ ಮೇಲಿನ ಮುದ್ರಣ ಕಲೆಗೆ ಯಾವ ದೇಶವು ಮೂಲ ನೆಲೆಯಾಗಿದೆ.
a) ಇಂಗ್ಲೇಂಡ್ b) ಫ್ರಾನ್ಸ c) ಭಾರತ d) ಅಮೇರಿಕಾ.

37. ಪ್ರಹ್ಲಾದನ ತಾಯಿಯ ಹೆಸರೇನು?
a) ರುದ್ರಮ್ಮ b) ಕಾಳಮ್ಮ c) ರುಕ್ಮಿಣಿ d) ತಾಯಮ್ಮ.

38. ಸಂವಿಧಾನದ ಯಾವ ಅನುಚ್ಛೇದದ ಅನುಸಾರ ರಾಜ್ಯಗಳಲ್ಲಿ ಬಳಕೆಯಾಗುವ ಭಾಷೆಗಳನ್ನ ಆಡಳಿತ ಭಾಷೆಯೆಂದು ತೀರ್ಮಾನಿಸಲಾಗಿದೆ.
a) 343 b) 443 c) 543 d) 643.

39. ಮೇಗಾನೆ ಗ್ರಾಮದಲ್ಲಿ ವಾಸವಿರುವ ಬುಡಕಟ್ಟು ಜನಾಂಗದ ಹೆಸರೇನು?
a) ಕುಡಬಿ b) ನಾಗ c) ಭದ್ರ d) ಮಲಯ.

40. 'ಕರ್ನಾಟಕ ಸಂಸ್ಕೃತಿ' ಲೇಖನದ ಕರ್ತೃ ಯಾರು?
a) ಕುವೆಂಪು b) ಹಂಪ ನಾಗರಾಜಯ್ಯ
c) ಗೋವಿಂದ ಪೈ d) ಬೇಂದ್ರೆ.

41. ಅಲ್ಲಮಪ್ರಭು ಹೆಸರುವಾಸಿಯಾಗಿದ್ದು ------- ಗಳಿಗೆ.
a) ಜನಪದ b) ಕೀರ್ತನೆ c) ವಚನ d) ತತ್ವಪದ.

42 ಅಕ್ಕಮಹಾದೇವಿಯವರ ಅಂಕಿತನಾಮ ಯಾವುದು?
a) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ b) ಅಲ್ಲಮಪ್ರಭು
c) ಕೂಡಲಸಂಗಮದೇವ d) ಗುಹೇಶ್ವರ.

43. ಕುಪ್ಪಳ್ಳಿ ವೆಂಕಟಪ್ಪ ಪುಟ್ಟಪ್ಪ ಇವರ ಕಾವ್ಯನಾಮ ತಿಳಿಸಿ.
a) ದ.ರಾ.ಬೇಂದ್ರೆ b) ಕುವೆಂಪು c) ಡಿ.ವಿ.ಜಿ d) ತ.ರಾ.ಸು.

44. ಕರ್ನಾಟಕ ಗತವೈಭವ ಗ್ರಂಥದ ಲೇಖಕರು ಯಾರು?
a) ಕುವೆಂಪು b) ಮಾಸ್ತಿ
c) ಜಿ.ಎಸ್.ಎಸ್ d) ಆಲೂರು ವೆಂಕಟರಾಯರು

45. 'ಅಟ್ಟಕೇರಿಸು' ಈ ನುಡಿಗಟ್ಟಿನ ವಿಶೇಷಾರ್ಥ--------.
a) ಅಣರಿಸು b) ತೆಗಳು
c) ಹೊಗಳು d) ನಗಿಸು.

46. ಸಂಗೀತಪುರವು ಈ ಹಿಂದೆ ಯಾರ ಊರಾಗಿತ್ತು?
a) ಬೌದ್ಧರ b) ತಮಿಳರ
c) ಪಾರ್ಸಿಗಳ d) ಜೈನರ.

47. 1955ರಲ್ಲಿ ರಾಯಚೂರಿನಲ್ಲಿ ನಡೆದ ಕನ್ನಡ ಸಾಹಿತ್ಯ ಪರಿಷತ್ತಿನ ಸಮ್ಮೇಳನದ ಅಧ್ಯಕ್ಷರು ಆಗಿದ್ದವರು ಯಾರು?
a) ಶ್ರೀರಂಗರು b) ದಾ.ರಾ.ಬೇಂದ್ರೆ
c) ಚಂದ್ರಶೇಖರ ಕಂಬಾರ d) ಡಿ.ವಿ.ಜಿ.

48. ಅಲ್ಲಮಪ್ರಭುಗಳ ವಚನದ ಕಾವ್ಯನಾಮ ಯಾವುದು?
a) ಗುಹೇಶ್ವರ b) ಸಂಗಮದೇವ
c) ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನ d) ಶಿಮೇಶ್ವರ.

49. ಕುರುಡು ಕಾಂಚಾಣವನ್ನು ಯಾವ ಕವನ ಸಂಕಲನದಿಂದ ಆಯ್ಕೆಕೊಳ್ಳಲಾಗಿದೆ.
a) ನಾಕುತಂತಿ b) ಮರಳಿ ಮಣ್ಣಿಗೆ
c) ಕಲ್ಲು ಕರಗುವ ಸಮಯ d) ನಾದಲೀಲೆ.

50. 'ನಾದ ಗೀತೆ'ಯನ್ನು ರಚಿಸಿರುವ ಕವಿ ಯಾರು?
a) ಬೇಂದ್ರೆ b) ಕುವೆಂಪು
c) ರಾಜರತ್ನಂ d) ಪಿ. ಲಂಕೇಶ್.

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