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St Aloysius College (Autonomous), Mangaluru

B.Sc. Semester II – Degree Examination

May -2024

PHYSICS

ELECTRICITY AND MAGNETISM

Time: 2½ hrs.

Max Marks: 60

SECTION – A

Answer any FOUR of the following.

(4x2=8)

1. a) Define Dia and Paramagnetic materials.
- b) What is Lorentz force? Write expression for the same.
- c) Write the expression for i) Capacitive reactance and ii) Inductive reactance.
- d) Define a capacitor and state the SI unit of capacitance.
- e) What are the conditions for the discharge through an LCR circuit to be underdamped and overdamped?
- f) Define gradient of a scalar function and express it in Cartesian coordinates

SECTION – B

Answer any ONE FULL question from each unit.

(4x10=40)

UNIT-I

2. a) Using Gauss law in electrostatics derive the expression for electric field due to a charged spherical conductor. (6)
- b) State and explain Stokes theorem. (4)
3. a) State superposition principle for electric potential. Apply it to find the resultant electric potential at a point due to system of n point charges. (6)
- b) Explain the physical significance associated with the divergence and curl of a vector. (4)

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UNIT-II

4. a) What are equipotential surfaces? Explain. (6)
- b) Explore the various discharge conditions in an LCR circuit connected to a DC power supply. Based on the given expressions represent them graphically. (4)
5. a) Derive expressions for the growth and decay of charge in a CR circuit and define the time constant of the circuit. (6)
- b) Obtain the expression for equivalent capacitance when two capacitors are connected in parallel. (4)

UNIT-III

6. a) Using Biot -Savart's law derive expression for magnetic field at a point due to a finite length straight conductor carrying current. (6)
- b) Derive an expression for the current in case of AC applied to a circuit containing a capacitor. Also represent graphically the variations of current and voltage. (4)

Contd...2

7. a) What are filter circuits? With neat figures explain the working of a RC low pass and high pass filter circuits. (6)
- b) What are ferromagnetic materials? Write any three of their properties. (4)

UNIT-IV

8. a) What is self inductance of a coil? Derive the expression for the self-inductance of a coil. (6)
- b) Explain coil and magnet experiment to illustrate Faraday's laws of electromagnetic induction. (4)
9. a) Derive the equation for electromagnetic wave traveling with a constant velocity c . (6)
- b) Explain the equation of continuity. (4)

SECTION – C

Answer any **THREE** from the following. (3x4=12)

10. If $\Phi(x, y, z) = 6x^23y^2 - y^3z^2 + 3zx^2$, find $\nabla\Phi$ at the point $(-2, 5, -3)$.
11. A network of three $20 \mu\text{F}$ capacitors is connected to a 300 V supply. Determine (a) the equivalent capacitance of the network and (b) the charge on each capacitor. **ST ALOYSIUS COLLEGE LIBRARY**
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12. An electron of energy 4.6 MeV is falling vertically downwards in a uniform horizontal magnetic field of 2.2T . Calculate the force acting on it. Given mass of electron $=9.1 \times 10^{-31}\text{kg}$ and charge of electron $e=1.6 \times 10^{-19}\text{C}$.
13. Two point charges one 10 times as strong as the other, repel each other with a force of $3.6 \times 10^{-5} \text{ N}$ when they are 0.02m apart in air. Find the magnitude of the charges.

(2021 batch onwards)

G502DC1.2

Reg. No.:

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St Aloysius College (Autonomous), Mangaluru

B.Sc. CHEMISTRY Semester II – Degree Examination

May - 2024

Inorganic and Physical Chemistry-I

Time: 2½ hrs.

Max Marks: 60

- Instructions: 1. Write the question number and subdivision clearly.
 2. Write equations and diagrams wherever necessary.
 3. Answer Part - A in first two pages of the answer book.

PART - A

Answer ALL the following questions in 1 to 3 sentences. (8×1=8)

1. a) Write the electronic configuration of silicon.
- b) What are inner shell electrons?
- c) Provide two applications of zeolites.
- d) Define van der Waals radius.
- e) Define collision number.
- f) State the law of corresponding states.
- g) Give any one application of liquid crystal.
- h) Draw the plane of cubic system which has the Miller indices (110).

PART - B

Answer any EIGHT of the following questions. (8×3=24)

2. (i) Explain the structure of s orbital.
- (ii) Derive a relationship between the magnitude of wavelength associated with the mass 'm' of a moving body and its velocity. **ST ALOYSIUS COLLEGE LIBRARY**
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- (iii) Explain magnetic quantum number.
- (iv) What are the types of bonds present in boranes.
- (v) Explain the process involved in reduction potential of alkali metals.
- (vi) Define the terms: i) specific refraction ii) molar refraction.
- (vii) Write the equation to calculate the surface tension of a liquid. Mention the terms involved in it.
- (viii) Mention any three conclusions observed in ideal gas behaviour of N₂ at different temperatures.
- (ix) Differentiate between crystalline solids and amorphous solids.
- (x) Explain the structure of cesium chloride.

PART - C

Answer any SEVEN of the following questions. (7×4=28)

3. Explain i) normalized wave function ii) orthogonal wave function.
4. Explain spectrum of hydrogen using Bohr's energy diagram.
5. What is Pauli's exclusion principle? How many electrons may exist in M shell of an atom when the shell is complete? How are these electrons distributed within the shell?

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St Aloysius College (Autonomous)
Mangaluru
B.Sc SEMESTER II - DEGREE EXAMINATION
MAY - 2024
Mathematics - II
Number theory -II, Algebra-II and Calculus-II

Max. Marks : 60

Time : 2 ½ Hours

PART - A

(6×2=12)

Answer any **SIX** of the following.

1. If p is a prime and $k > 0$ then prove that $\phi(p^k) = p^k - p^{k-1}$.
2. Calculate $\phi(180)$.
3. Define an operation $*$ on \mathbb{Q} as follows: $a * b = \frac{a+b}{2}$; $a, b \in \mathbb{Q}$. Examine the commutative and associative properties of $*$ on \mathbb{Q} .
4. Prove that every element in a group has unique inverse.
5. Let $f(x, y) = 2x^2 - 3y + 4$. Find the slope of the line tangent to this surface at the point $(2, -1)$ and lying in the plane i) $x = 2$ ii) $y = -1$.
6. Find f_x, f_y if $f(x, y) = \sin^2(x - 3y)$.
7. If the circle C is parametrised by the equation $x = \cos t, y = \sin t, 0 \leq t \leq 2\pi$, then find $\int_C f(x, y) ds$ where, $f(x, y) = x^2$.
8. Evaluate: $\int_0^3 \int_0^2 (4 - y^2) dx dy$.

PART - B**UNIT - I**

(2×6=12)

Answer any **TWO** of the following .

1. If $c_k = \frac{p_k}{q_k}$ is the k^{th} convergent of the finite simple continued fraction $[a_0; a_1, \dots, a_n]$, then prove that $p_k q_{k-1} - q_k p_{k-1} = (-1)^{k-1}, 1 \leq k \leq n$.
2. State and prove Wilson's Theorem.
3. With an example prove that converse of Fermat's Theorem fails.

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UNIT - II

(2×6=12)

Answer any **TWO** of the following .

1. i) Let a be an element of a group G . Prove that the set $H = \{a^n / n \in \mathbb{Z}\}$ is a subgroup of G .
ii) Consider the group $(\mathbb{Z}, +)$. Let $H_3 = \{3n : n \in \mathbb{Z}\}$. Prove that H_3 is a subgroup of \mathbb{Z} .
2. Define abelian group and cyclic group. Prove that every cyclic group is an abelian group.
3. Define center of a group. Prove that the center $Z(G)$ of a group G is a subgroup of G .

Contd....2

UNIT - III

(2x6=12)

Answer any TWO of the following .

- Find the absolute maximum and minimum values of $f(x, y) = 2 + 2x + 4y - x^2 - y^2$ on the triangular region in the first quadrant bounded by the lines $x = 0$, $y = 0$ and $y = 9 - x$.
- i) Check whether $f(x, y) = x^4 + x^3y + x^2y^2 + xy^3 + y^4$ is a homogeneous function. If yes, what is its degree?
ii) State and prove Euler's theorem on homogeneous functions.
- Find all the second order partial derivatives of $f(x, y) = x^2y + \cos y + y \sin x$.

UNIT - IV

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(2x6=12)

Answer any TWO of the following .

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- Evaluate $\lim_{n \rightarrow \infty} \frac{1}{n^4} (1^3 + 2^3 + 3^3 + \dots + n^3)$ by showing that the limit is $\int_0^1 x^3 dx$ and evaluating the integral.
- Find the volume of prism whose base is a triangle in the XY plane bounded by X -axis and the lines $y = x$ and $x = 1$ whose top lies in the plane $z = f(x, y) = 3 - x - y$.
- Evaluate : $\int_1^e \int_1^e \int_1^e \frac{1}{xyz} dx dy dz$.

(2021 Batch onwards)

G 504 DC 1.2

Reg. No.

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B.Sc. Semester II – Degree Examination
May -2024

ELECTRONICS**Analog and Digital Circuits**

Time: 2 ½ hrs.

Max Marks: 60

Note: This question paper has TWO sections- SECTION A AND SECTION B.
Answer both the sections

SECTION – A

I. Choose the correct answer from the choices given at the end of each question and write the correct answer. (6x1=6)

- i) Closed loop gain of an inverter using op-amp is _____.
 a) 1 b) -1 c) 0 d) 0.5
- ii) RS flip flop RESETs when, _____.
 a) R = 0, S = 0 b) R = 1, S = 0 c) R = 0, S = 1 d) R = 1, S = 1
- iii) The filter which has ripple passband and flat stop band called _____ filter.
 a) Butterworth b) Chebyshev c) Cauer d) Band stop
- iv) _____ amplifier has the lowest output impedance.
 a) CE b) CB c) CC d) two stage CE
- v) The open loop gain of an ideal amplifier is _____.
 a) very high b) infinite c) zero d) very low
- vi) The coordinates of Operating point are _____ and _____.
 a) $I_{C_{sat}}, V_{CE_{sat}}$ b) I_{CQ}, V_{CEQ} c) $I_{CQ}, V_{CE_{cut-off}}$ d) $I_{C_{sat}}, V_{CEQ}$

II. Answer any SIX questions: (6x1=6)

- i) Define "Propagation delay" in logic family. **ST ALOYSIUS COLLEGE LIBRARY**
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- ii) Define Full adder.
- iii) Draw the circuit diagram of Voltage shunt feedback amplifier.
- iv) Write the circuit diagram of a op-amp Integrator.
- v) Draw the equivalent circuit of an operational amplifier.
- vi) Define feedback in amplifiers.
- vii) Mention any one function of a biasing circuit.
- viii) What is the value of slew rate for an ideal operational amplifier?

III. Answer any SIX questions. (6x2=12)

- i) With the circuit diagram, explain the working of a voltage follower circuit using op-amp.
- ii) Give the equations for Low level and High-level Noise Margins.
- iii) Draw the timing diagram of clocked SR flip-flop.
- iv) Draw the circuit diagram of Schmitt trigger using op-amp and hence give the equation for UTP and LTP.

Contd...2

- v) Draw the labeled diagram of frequency response of an amplifier and define bandwidth.
- vi) Mention any four advantages of negative feedback.
- vii) Explain input offset voltage of an op-amp.
- viii) The open loop gain of an amplifier is 400. Calculate its closed loop gain when a negative feedback of 0.1 is applied.

SECTION – B

IV. Answer any FOUR questions.

(4x4=16)

- i) With a neat circuit diagram explain the working of Totem Pole TTL NAND gate.
- ii) Implement the following Boolean expression in to a 4 to 1 Mux
 $F(A,B,C) = \Sigma(0, 2, 3, 6,7)$ and hence draw the logic diagram.
- iii) Draw the circuit diagram of an inverting comparator and also draw the input and output waveforms for an input voltage $V_{in(p-p)} = 10V$, and $V_{ref} = -2V$.
- iv) Calculate the CMRR of an op-amp in dB, if its common mode gain is 0.2 and differential gain is 1000.
- v) Draw the circuit diagram of a fixed bias and obtain the expression for its dc load line
- vi) Draw the block diagram of a general feedback amplifier and obtain the expression for its closed loop gain.

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V. Answer any FOUR questions:

(5x4=20)

- i) Design a 2 bit Magnitude comparator using the combinational circuit design procedure.
- ii) Draw the circuit diagram of First order High pass Butter worth filter using op-amp, hence derjye the expression for its gain.
- iii) With a circuit diagram using NAND gates explain clocked JK flip flop. Hence draw the timing diagram.
- iv) Draw the circuit diagram of a CE amplifier and obtain its ac equivalent circuit using small signal h-parameter model. Obtain the expressions for its voltage gain, input resistance and output resistance.
- v) With necessary diagram explain the internal block diagram of an operational amplifier.
- vi) Draw the circuit diagram of a universal bias and obtain its Thevenin's equivalent circuit. Show that in the case of a universal bias, the collector current is independent of β_{dc} of the transistor

(2021 Batch Onwards)

G 505 DC1.2

Reg. No.:

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II – Degree Examination

May -2024

COMPUTER SCIENCE - II

DATA STRUCTURES USING C

Time: 2½ Hours.

Max Marks: 60

PART – A

1. Answer any **SIX** of the following. (6x2=12)
- Differentiate linear and non-linear data structure.
 - Write any two Difference between arrays and lists.
 - Write the difference between singly linked list and double linked list
 - What is linked list? Write the representation of linked list.
 - Convert following expression to prefix and postfix form $A*B+(C-D/E)$
 - Define queue data structure?
 - What is a child node?
 - What are binary search trees?

PART – B

Answer any **ONE FULL** question from each unit 12 marks each. (4x12=48)

UNIT - I

- What is recursion? Explain different types of recursion. Write a recursive program to generate Fibonacci numbers. (4)
 - Write an algorithm to sort an element using quicksort technique. (4)
 - Write an algorithm to sort an element using selection sort technique. (4)

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- Write Difference between arrays and lists. (4)
 - Explain format conventions used in algorithm? (4)
 - Sort the sequence 13,11, 74,37,85,39,22,56,25 using Insertion sort. (4)

UNIT – II

- Explain following operations on single linked list with algorithm (4)
 - Insertion at beginning
 - Delete at end.
 - Write and explain binary search algorithm. (4)
 - Write a note on the following. (4)
 - Malloc
 - Calloc
- What are the advantages of doubly linked list over the single linked list? (4)
 - Explain linear search algorithm with an example (4)
 - Write the difference between singly linked list and doubly singly list (4)

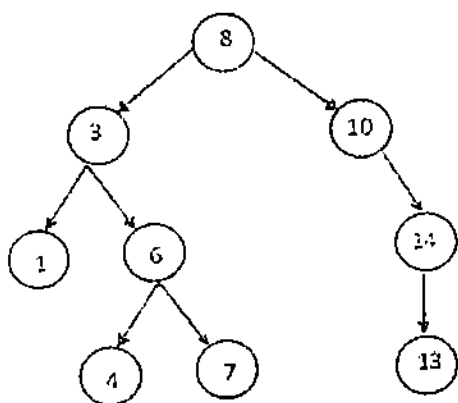
UNIT – III

- 6. a) Write a note on double ended queue (4)
- b) Explain the concept of a circular queue. How does it differ from a regular queue? (4)
- c) Convert following expression to postfix form. (4)
 - a) $(A+B*C-D)/(E*F)$ b) $(P+Q^R)+S$
- 7. a) Convert following expression to prefix form. (4)
 - a) $1-4^3+7*(9^1/5)-2$ b) $A^C+D-E*(X^Y*Z)$
- b) Define stack. Write algorithm to perform stack operations. (4)
- c) Evaluate the following expression using stack 3,6,2, +,*,6,2,- (4)

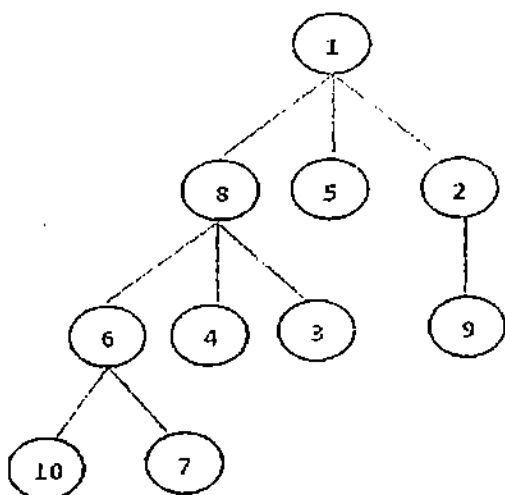
UNIT – IV

- 8. a) Write and explain Depth first search algorithm. (4)
- b) What is binary tree? Write an algorithm for traversal of binary search tree (4)
- c) Traverse the given tree in inorder, preorder and postorder traversal techniques (4)

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- 9. a) Explain following terminologies with suitable example (4)
 - a) terminal node b) leaf node c) degree of a node d) Level of a tree
- b) Construct a tree from the following data (4)
 - inorder 20, 30, 35, 40, 45, 50, 55, 60, 70
 - preorder 50, 40, 30, 20, 35, 45, 60, 55, 70
- c) Solve the given problem using DFS algorithm (4)



(2021 Batch Onwards)

G 506 DC1.2

Reg. No.:

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II – Degree Examination

May - 2024

STATISTICS - II

PROBABILITY AND DISTRIBUTIONS

Time: 2 1/2 Hours.

Max Marks: 60

Note: Answer all parts

PART - A

I. Answer any **FIVE** of the following:

(2x5=10)

1. Define mutually exhaustive events with an example.
2. Define discrete random variable.
3. Write the properties of joint probability mass function.
4. Write pdf of Negative Binomial distribution.
5. Write any two applications of Geometric distribution.
6. Explain about $\text{cor}()$ and $\text{lm}()$ functions in R.
7. Write any two advantages of R?

PART - B

II. Answer any **FIVE** of the following.

(10x5=50)

8. a) State and prove multiplication theorem of probability. (5)
b) Prove the following i) $P(A \cap B') = P(A) - P(A \cap B)$ ii) $P(A' \cap B) = P(B) - P(A \cap B)$. (5)
9. State and prove Boole's inequality. (10)
10. If the event A and B are independent then prove that
i) The events A and B' are also independent.
ii) The events B and A' are also independent.
iii) The events A' and B' are also independent. (10)
11. a) Derive an expression for mean and variance of Binomial distribution. (6)
b) For two random variables X and Y, find i) $V(X+Y)$ ii) $V(aX+bY)$ (4)
12. Derive an expression for recurrence relation for the moments of Poisson distribution and hence find mean and variance. (10)
13. Explain with an example: $\text{sum}()$, $\text{sort}()$, $\text{cos}()$, $\text{prod}()$, $\text{diff}()$. (10)
14. Explain any five arithmetic operators in R with example. (10)

(2021 batch onwards)

G 507 DC1.2

Reg. No.

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**St Aloysius College (Autonomous)
Mangaluru**

B.Sc. Semester II – Degree Examination

May - 2024

BOTANY - II

DIVERSITY OF NON-FLOWERING PLANTS

Time: 2½ hrs.

Max Marks: 60

Note: i) Answer all the sections.

ii) Draw diagrams wherever necessary.

SECTION -A

I. Answer any FIVE of the following. (5x2=10)

1. What is crown or corona?
2. What are pyrenoids?
3. What is Capsule? Mention its significance.
4. What are Bryophytes? Which life cycle stage is dominant in bryophytes?
5. Give any two differences between pteridophytes and gymnosperms.
6. Mention any two dissimilarities between gymnosperms and angiosperms.
7. Mention any advantages of radiocarbon dating.
8. What is a period with reference to geological time scale?

SECTION -B

II. Answer any SIX of the following. (6x5=30)

1. Explain the structure of Pennate diatoms.
2. Explain the structure of female conceptacle V.S in *Sargassum*.
3. Write the salient features of *Pteris*.
4. Give an account on the strobilus of *Selaginella*.
5. Explain the types of solenostele with relevant examples.
6. Explain the structure of ovule in *Cycas*.
7. Answer the following a) importance of fossil formation b) petrification
8. Describe the characteristic features of Cycadeoidea.

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SECTION -C

III. Answer any TWO of the following. (2x10=20)

1. Describe the types of fossil formation and mention any four fossil beds in India.
2. Explain the structure of cystocarp and Tetrasporophyte in *Polysiphonia*.
3. With a neat labelled diagram, explain the sporophyte of *Riccia*.
4. Explain the theories regarding morphological nature of ovuliferous scale in *Pinus*.

(2021 Batch onwards)

G 508 DC 1.2

Reg. No.:

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St Aloysius College (Autonomous), Mangaluru**B.Sc. Semester II – Degree Examination****May -2024****ZOOLOGY****Biochemistry and Physiology****Time: 2½ Hours.****Max Marks: 60****Note:**

1. Answer any **ten** questions from Part-A, any **four** questions from Part-B and any **two** questions from part-C.
2. Draw diagrams wherever necessary.

PART – A**I. Answer any TEN of the following. (10X2=20)**

- a) State the difference between reversible and irreversible enzyme inhibition.
- b) Define amino acids and mention their role in a biological system.
- c) What is the role of glutamate in aminoacid transamination?
- d) Define metabolism. Mention the types of metabolism.
- e) How does the organization of sarcomeres contribute to the functional properties of skeletal muscle fibers?
- f) Explain substrate level phosphorylation in citric acid cycle.
- g) Define substrate strain theory of enzyme activity.
- h) Write a note on oxygen Dissociation curve
- i) What are renal calculi, and how do they form?
- j) What is a sensory neuron and interneuron?
- k) Discuss the role of the parathyroid glands in calcium homeostasis.
- l) Briefly describe the primary ions involved in establishing resting potential and their respective roles.

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PART – B**II. Answer any FOUR of the following. (4X5=20)**

- a) Explain the difference between monosaccharides, oligosaccharides, and polysaccharides, providing examples for each.
- b) Classify hormones based on the mechanism of hormone action.
- c) Describe the process of digestion of proteins in human GI tract.
- d) Write explanatory notes on i) Muscle twitch ii) Motor unit summation
- e) Describe the role of lipids in a biological system.
- f) Enumerate on Glycogen synthesis.

PART – C**III. Answer any TWO of the following. (2X10=20)**

- a) Write a note on Denovo synthesis of fatty acids.
- b) With neat labeled schematic diagrams, explain the process of chemical synaptic transmission.
- c) Write an explanatory note on classification and properties of enzymes with suitable illustrations.
- d) Examine the structure of the mammalian heart, including its chambers, valves, and major blood vessels.

(2021 Batch Onwards)

G 509 DC1.2

Reg. No.:

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II- Degree Examination

May -2024

MICROBIOLOGY-II

MICROBIAL BIOCHEMISTRY AND PHYSIOLOGY

Time: 2½ Hours.

Max Marks: 60

Instructions: Answer PART A , B AND C

Draw Diagrams wherever necessary.

PART – A

1. Define/Answer any TEN of the following: (10x2=20)

- What is the purpose of a buffer solution?
- What are covalent bonds?
- List any four functions of water
- Name the imino group containing amino acid
- Define EFA
- Which are the agents causing denaturation?
- Passive transport.
- What are Halophiles? Give one example.
- What are microaerophiles? Give one example.
- What are the terminal electron acceptors in fermentation?
- KDPG.
- What is the net ATP yield of the EMP pathway?

PART – B

Answer any FOUR of the followingST ALOYSIUS COLLEGE LIBRARY
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(4x5=20)

- Write the importance of acids and bases
- Write the composition of electrolytes in body fluids
- Write a note on the function of cytochromes
- Discuss group translocation.
- Contrast growth factors and macronutrients.
- Explain first law of thermodynamics.

PART – C

Answer any TWO of the following.

(2x10=20)

- What is pH? Mention its importance in our daily life.
- Discuss the classification of carbohydrates with examples.
- Elaborate nutritional classification of microorganisms.
- Discuss chemiosmotic generation of ATP by oxidative phosphorylation in ETC.

Reg. No:

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II – Degree Examination

May - 2024

BIOCHEMISTRY**CHEMICAL FOUNDATION OF BIOCHEMISTRY - II**

Time: 2½ Hours

Max. Marks: 60

Note: i) Answer all the questions

ii) Draw diagrams wherever necessary

PART – A

1. Answer any FIVE of the following. (5×2=10)
- Mention the significance of Ultra filtration.
 - What are D & L notations?
 - Distinguish between simple salts & complex salts.
 - Define and give an example for an Enantiomer.
 - What are metalloporphyrins?
 - Give any two examples for emulsions.

PART – BAnswer any FOUR of the following. (4×5=20)

- Explain the characteristics of enzyme catalysis.
- Discuss on classification of organic compounds with suitable examples.
- Elaborate on the effects of poisoning of Cadmium and Lead.
- What are ligands? Explain the different types of ligands.
- Define colloids. Explain the different types of colloids in daily life with applications.

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PART - CAnswer any THREE of the following: (3×10=30)

- Write short notes on i) Characteristics of Homologous series
ii) Micelles and its applications
- What is resolution? Explain any two methods of resolution. Add a note on boat and chair conformations.
- Explain in detail: Postulates of Werner's theory and Free radicals
- Give an account on structure & biological importance of : i) Hemoglobin
ii) Fe-S Clusters

(2021 Batch Onwards)

G 511 DC1.2

Reg. No:

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester II – Degree Examination****May - 2024****BIOTECHNOLOGY****Microbiological methods and techniques**

Time: 2½ Hours

Max. Marks: 60

Note: i) Answer all the questions

ii) Draw diagrams wherever necessary

PART - A1. Answer any **FIVE** of the following:

(5×2=10)

- What is phase contrast microscope?
- What is binomial nomenclature? give an example
- Mention two mechanisms of actions of gases as sterilizing agents
- Expand HEPA. Mention its uses
- Assess the advantages of using freeze drying for long-term storage of microbial cultures
- How do enriched media aid in bacterial identification?
- How Amphotericin B disrupts fungal cell membrane integrity.
- What are broad spectrum antibiotics. Give an example.

PART - BAnswer any **SIX** of the following:

(6×5=30)

- With a neat labelled diagram describe the parts of compound microscope
- Give an account on parts of confocal microscope
- Explain fractional sterilization technique
- Explain any two aldehydes used as antimicrobial agents
- Describe the streak plate method as one method of isolation of microorganisms.
- Explain the working principle and uses of anaerobic jar and gas pack.
- Elaborate on multidrug resistance (MDR) with a specific focus on MRSA.
- Explain the mechanism of action of Amantadine.

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PART - CAnswer any **TWO** of the following:

(2×10=20)

- Describe the classification of major groups of microorganisms
- Write short notes on a) Radiations b) halogens
- Describe the principle of Gram staining. Explain what happens at each step of the staining process.
- Explain how the Kirby-Bauer method is used to determine the susceptibility of bacterial isolates to antibiotics

(2021 Batch onwards)

G 10 DC1.2/G 512 DC1.2

Reg. No.

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St Aloysius College (Autonomous)**Mangaluru****B.A./B.Sc. Semester II – Degree Examination****May -2024****COMPUTER ANIMATION - II****PRE-PRODUCTION AND 2D ANIMATION****Time: 2½ hrs.****Max Marks: 60****PART - A****Answer any FIVE of the following.****(5x2=10)**

1. a) How to import the sketches to Animate?
- b) What is a library in Animate?
- c) What is the shortest key to add frames?
- d) Name the different types of symbols?
- e) Explain the use of animation in advertisements.
- f) Write the command to save a file.
- g) What is the shortcut key to create insert key frame?

PART - B**Answer any FOUR of the following.****(4x5=20)**

2. Briefly write a note Adobe Animate.
3. Explain the process of character rigging.
4. Write a note on walk cycle animation.
5. Write a note about flipbook.
6. Explain pose to pose animation method with illustration.
7. What is the use of onion skin? Explain.

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PART - C**Answer any TWO of the following:****(2x15=30)**

8. Explain Principles of animation.
9. Explain history of animation.
10. Explain the over view of tools and panels.

(2021 Batch Onwards)

G 513 DC1.2

Reg. No. :

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St Aloysius College (Autonomous)
Mangaluru

B.Sc.- SEMESTER II - Degree Examination

May - 2024

ECONOMICS II (a)
MACRO ECONOMICS I

Time: 2½ Hours.

Max. Marks: 60

SECTION - A**I. Answer any FIVE of the following:****(5×2=10)**

1. What are stock and flow variables in economics?
2. Give the meaning of green income.
3. Define unemployment.
4. State Hick's theory of trade cycle.
5. Give the meaning of relative income hypothesis.
6. Give the meaning of Philip's curve.
7. What are the two determinants of marginal efficiency of capital?
8. List out the instruments of fiscal policy.

SECTION - B**II. Answer any SIX of the following:****(6×5=30)**

9. Write a note on indicators of macroeconomic activity.
10. Explain the circular flow of income in two sector economy.
11. Write a note on the concepts of national income.
12. Write a note on classical remedy for unemployment.
13. Write a note on J. B. Say's market law.
14. Write a note on money market and goods market equilibrium.
15. Explain the types of business cycles.
16. Write a note on permanent income hypothesis.
17. Explain the propositions of supply side economics.

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SECTION - C**III. Answer any TWO of the following:****(2×10=20)**

18. Explain the methods of measuring national income.
19. Explain Keynes theory of employment.
20. Explain Schumpeter's innovation theory of trade cycle.
21. Explain the instruments of monetary policy.

(2021 Batch Onwards)

G 513 DC2.2

Reg. No. :

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. - SEMESTER II – Degree Examination****May - 2024****ECONOMICS II (b)****STATISTICS FOR ECONOMICS**

Time: 2½ hrs.

Max Marks: 60

Note: Log table will be provided.

PART - AAnswer any **FIVE** of the following questions: (5×2=10)

1. What are the types of collection of data?
2. Mention any two requisites of a good averages.
3. What is least square method?
4. Define time series.
5. What are the components of time series?
6. What is conditional probability?
7. The two regression coefficient are $b_{xy} = \frac{3}{2}$ and $b_{yx} = \frac{1}{2}$ then find the correlation.
8. Write the formula for the addition theorem.

PART - BAnswer any **SIX** of the following questions. (6×5=30)

9. A person is known to hit the target in 3 out of 4 shots, whereas another person is known to hit the target in 2 out of 3 shots. find the probability of the target being hit at all when they both try
10. Find the geometric mean from the following data

Marks	4-8	8-12	12-16	16-20	20-24	24-28	28-32	32-36	36-40
Frequency	6	10	18	30	15	12	10	6	2

11. From the following data compute the value of harmonic mean.

Marks	10	20	30	40	50
No. of Students	20	30	50	15	5

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12. Explain type I and type II errors.
13. Find Spearman's coefficient of rank correlation from the following data.

R1	8	4	7	6	2	1	5	3
R2	6	3	8	5	1	2	7	4

Contd...2

14. Write a note on Binomial distribution, Poisson distribution and Normal distribution.
15. The mean height of 25 male workers in a factory is 61 inches and the mean height of 35 female workers in the same factory is 58 inches. Find the combined mean height of 60 workers in the factory.
16. The following are the figures of sales of a company in lakhs of Rupees.

Year	2008	2009	2010	2011	2012	2013	2014
Sales	60	72	75	65	80	85	95

Find 3 yearly trend values.

17. Find out the regression equations of X on Y and Y on X for the following information: Mean of X=18, Mean of Y = 100, Correlation=0.8, S.D. of X= 14, S.D. of Y=20

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PART - C

Answer any **TWO** of the following questions.

(2×10=20)

18. Compute Mean, Median and Mode from the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No. of students	15	20	25	24	12	31	71	52

19. Calculate the coefficient of correlation between marks in Statistics and in Economics of 100 students who appeared in the B.Com examination.

Marks in Economics	Marks in Statistics				
	0-10	10-20	20-30	30-40	40-50
0-10	6	33			
10-20	3	16	10		
20-30		10	15	7	
30-40			7	10	4
40-50				4	5

20. The following are the scores made by two cricketers in 10 Innings.

Innings	1	2	3	4	5	6	7	8	9	10
Cricketer A	31	48	13	51	38	43	50	36	47	82
Cricketer B	51	5	12	83	37	112	42	18	79	0

- a) Which of the Two cricketer is a better scorer on an average
b) Which of the is more consistent

21. Calculate Fisher's ideal index number from the following data. And prove that Fisher's index number satisfies Factor reversal test.

Commodities	2008		2009	
	Quantity	Price	Quantity	Price
M	20	12	30	14
N	13	14	15	20
O	12	10	20	15
P	8	6	10	4
Q	5	8	5	6

G 514 DC1.2

(2021 Batch onwards)

Reg. No. :

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester II – Degree Examination****MAY – 2024****FOOD SCIENCE- II****FOOD PROCESSING AND PRESERVATION****Time: 2½ Hours****Max. Marks: 60****Note: i) Answer all the questions****ii) Draw diagrams wherever necessary****PART – A**

1. Answer any **FIVE** of the following. (2×5=10)
- List the importance of drying in food preservation.
 - List out few traditional technologies used in food processing.
 - Define thawing.
 - Define novel technologies in food processing.
 - What do you mean by Reverse osmosis?
 - List the uses of groundnut.
 - Mention the pre processing in Potato

PART – B**Answer any SIX of the following. (5×6=30)**

- Explain the composition and structure of fish.
- Outline on freeze drying and their importance in food industry.
- Explain pickling, drying and curing methods.
- Write the role of smoking and fermentation in food processing.
- Write a note on Blanching.
- Draw a neat labelled diagram of rice.
- Explain the process of extrusion.
- Explain the composition of milk.

ST ALOYSIUS COLLEGE LIBRARY**MANGALURU - 575 #03****PART – C****Answer any TWO of the following: (10×2=20)**

- Explain the processing of Pineapple.
- Summarize on pasteurization and their uses in the food industry.
- What is food spoilage? Explain different factors affecting food spoilage.

(2023 Batch onwards)

G 701 DC1.2

Reg. No.

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. (Visual Communication) Semester II – Degree Examination****May - 2024****HISTORY OF VISUAL ART**

Time: 2½ hrs.

Max Marks: 60

PART - A

Write short note in 2 to 3 sentences on any FIVE of the following. (5x2=10)

1. Natya
2. Mohenja Daro
3. Mesopotamia
4. Ceremonial Art
5. Papyrus
6. Surrealism
7. Live Art

PART - B

Answer any FOUR of the following in 100 – 150 words each. (4x5=20)

8. Define Buddhist art and identify its key characteristics.
9. Discuss the role of Abhinaya (expression) in conveying Rasa to the audience.
10. How does visual storytelling help create emotional connections with audiences?
11. Define Harappan art and its historical significance.
12. Identify the key features of Mathura architecture

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PART - C

Write a detailed note on any TWO of the following in 200 – 300 words each. (2x15=30)

13. What were some common themes and subjects depicted in Mesopotamian art, such as gods, kings, and mythical creatures?
14. Identify some of the Western Art and identify its key characteristics.
15. What are some common themes and subjects found in Impressionist paintings, and how are they depicted?

(2023 Batch onwards)

G 701 DC2.2

Reg. No.

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St Aloysius College (Autonomous)
Mangaluru

B.Sc. (Visual Communication) Semester II – Degree Examination
May - 2024

PRINT DESIGN AND PRODUCTION

Time: 2½ hrs.

Max Marks: 60

PART - A

Write short note in 2 to 3 sentences on any FIVE of the following. (5x2=10)

1. Magazine Layout Design
2. Paper types
3. The Role of Fonts in Branding
4. Kerning
5. Film Poster
6. Designing software
7. Digital Printing

PART - B

Answer any FOUR of the following in 100 – 150 words each. (4x5=20)

8. Define "package design" and its role in marketing a product.
9. Discuss the unique challenges and considerations when designing posters for advertising.
10. Discuss the modern trends in printing technology.
11. What is Visual hierarchy. Mention its importance.
12. What characteristics can help you differentiate between a serif and a sans-serif typeface?

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PART - C

Write a detailed note on any TWO of the following in 200 – 300 words each. (2x15=30)

13. Define typography and explain its role in visual communication. How does typography impact the way we interpret written information?
14. Trace the origin of printing press and highlight the contribution of Gutenberg.
15. Identify the primary elements of a magazine cover design. Explain how typography and imagery play a role in magazine cover aesthetics.

(2023 Batch onwards)

G 701 DC3.2

Reg. No.

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. (Visual Communication) Semester II – Degree Examination****May - 2024****BRANDING**

Time: 2½ hrs.

Max Marks: 60

PART - A

Write short note in 2 to 3 sentences on any **FIVE** of the following. (5x2=10)

1. Brand image
2. Loyalty
3. Taglines and slogans
4. Brochure
5. Brand Positioning
6. Brand extension
7. UI and UX

PART - B

Answer any **FOUR** of the following in 100 – 150 words each. (4x5=20)

8. Critique the role of brand consistency.
9. Explain the importance of colour in brand visibility.
10. Critique a recent advertising campaign's effectiveness.
11. Identify key components of user-friendly site navigation.
12. Discuss effective strategies for arranging page layouts on websites.

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PART - C

Write a detailed note on any **TWO** of the following in 200 – 300 words each. (2x15=30)

13. Develop a comprehensive branding strategy for a new product, considering brand image and positioning.
14. Evaluate the effectiveness of brochures, posters, and business cards in communicating brand messages and values. Provide examples and analyse their designs.
15. Evaluate the role of visual identity in shaping brand perception and consumer behaviour, considering its impact on brand awareness, attitude, and purchase intent.

(2021 batch onwards)

G 701.2

Reg. No:

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**St Aloysius College (Autonomous)
Mangaluru**

**B.A./B.Sc./ B.C.A.- Semester II – Degree Examination
May - 2024**

FOUNDATION COURSE IN HUMAN RIGHTS AND VALUE EDUCATION

Time: 2 Hours

Max. Marks: 50

PART – A**Human Rights****I. Answer the following in one sentence each.****(1x5=5)**

ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳನ್ನು ಒಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. Why do we need Human Rights?

ನಮಗೆ ಮಾನವ ಹಕ್ಕುಗಳು ಏಕೆ ಬೇಕು?

2. Expand ICCPR.

ಐಸಿಸಿಪಿಆರ್ ಇದನ್ನು ವಿಸ್ತರಿಸಿ.

3. Who is the founder of PUCL?

ಪಿ.ಯು.ಸಿ.ಎಲ್ ನ ಸ್ಥಾಪಕರು ಯಾರು?

4. Who are refugees ?

ನಿರಾಶ್ರಿತರು ಎಂದರೆ ಯಾರು ?

5. List any two rights that are specifically granted to children.

ಮಕ್ಕಳಿಗೊಂದು ನಿರ್ದಿಷ್ಟವಾಗಿ ನೀಡಲಾದ ಯಾವುದೇ ಎರಡು ಹಕ್ಕುಗಳನ್ನು ಪಟ್ಟಿ ಮಾಡಿ.

II. Answer any ONE of the following in 8-10 sentences each.**(5x1=5)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 8-10 ವಾಕ್ಯಗಳಲ್ಲಿ ಬರೆಯಿರಿ.

6. Examine the role of NGOs in protection the Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳ ರಕ್ಷಣೆಯಲ್ಲಿ ಮಾನವ ಹಕ್ಕುಗಳ ಪ್ರತಿಪಾದಕರ ಪಾತ್ರವನ್ನು ಪರಿಶೀಲಿಸಿ ಬರೆಯಿರಿ.

7. Write a short note on citizenship rights.

ಪೌರತ್ವದ ಹಕ್ಕಿನ ಬಗ್ಗೆ ಲಘು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

III. Answer any ONE of the following in 15-20 sentences each.**(10x1=10)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 15-20 ವಾಕ್ಯಗಳಲ್ಲಿ ಬರೆಯಿರಿ.

8. Explain the composition, power, and functions of NHRC.

ಮಾನವ ಹಕ್ಕುಗಳ ಆಯೋಗದ ರಚನೆ, ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯವನ್ನು ವಿವರಿಸಿರಿ.

9. Explain the classification of Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳ ವರ್ಗೀಕರಣವನ್ನು ವಿವರಿಸಿ.

ST ALOYSIUS COLLEGE LIBRARY**MANGALURU - 575 003****IV. Answer any ONE of the following in 30-35 sentences each.****(15x1=15)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 30-35 ವಾಕ್ಯಗಳಲ್ಲಿ ಬರೆಯಿರಿ.

10. Explain the composition powers and functions of Amnesty International.

ಅಂತರಾಷ್ಟ್ರೀಯ ಕ್ಷಮದಾನ ಸಂಸ್ಥೆಯ ರಚನೆ, ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯವನ್ನು ವಿವರಿಸಿರಿ.

11. Explain Human Rights enumerated in UDHR.

ಯು.ಡಿ.ಹೆಚ್.ಆರ್. ನಲ್ಲಿ ನಮೂದಿಸಲಾದ ಮಾನವ ಹಕ್ಕುಗಳನ್ನು ವಿವರಿಸಿ.

Contd...2

PART – B

VALUE EDUCATION (II semester)

V. Answer any **ONE** of the following in not less than a page. (5x1=5)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು ಒಂದು ಪುಟಕ್ಕೆ ಮೀರದಂತೆ ಬರೆಯಿರಿ.

12. Explain complications of teenage pregnancy.

ಹದಿಹರೆಯದ ಗರ್ಭಾವಸ್ಥೆಯ ತೊಡಕುಗಳನ್ನು ವಿವರಿಸಿರಿ.

13. Examine the effects of alcoholism.

ಮದ್ಯಪಾನದ ಪರಿಣಾಮವನ್ನು ಪರಿಶೀಲಿಸಿ ಬರೆಯಿರಿ.

VI. Answer any **ONE** of the following in not less than two pages. (10x1=10)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು ಎರಡು ಪುಟಕ್ಕೆ ಮೀರದಂತೆ ಬರೆಯಿರಿ.

14. What is pre-martial sex and explain its effects.

ವಿವಾಹ ಪೂರ್ವ ಲೈಂಗಿಕ ಸಂಪರ್ಕ ಎಂದರೇನು? ಇದರ ದುಷ್ಪರಿಣಾಮಗಳೇನು?

15. Explain the types of drugs.

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ಮಾದಕ ದ್ರವ್ಯ ಇದರ ವಿಧಗಳನ್ನು ವಿವರಿಸಿ ಬರೆಯಿರಿ.

(2021 batch onwards)

G 707 SB1.2

Reg. No. :

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St Aloysius College (Autonomous)
Mangaluru

B.Sc./B.Com./B.B.A./B.C.A. - Semester II
May - 2024

(Skill Enhancement Course)

DIGITAL FLUENCY

Time: 2½ Hours

Max Marks: 60

SECTION A

Answer the following questions (Compulsory)

(15X1=15)

- Which of the following is not an application of artificial intelligence?
 - Face recognition system
 - Chatbots
 - Natural language Processing
 - DBMS
- Apple's, Siri, Amazon's, Alexa, Microsoft Cortana and Google Assistant's are_____
 - Digital Assistant's
 - Neural Networks
 - Data Base Systems
 - Machine Learning Tools
- Which of the following is not a part of the big data life cycle?
 - Data Ingestion
 - Data Processing
 - Data Sharing
 - Data Designing
- Which of the following category is used for business to consumer process?
 - Group IoT
 - Community IoT
 - Personal IoT
 - Industrial IoT
- What is the full form of ICT?
 - Inter Connect Technology
 - Internet Connection Topology
 - Information and Communication Technology
 - Infer Communication Topology
- Which of the following is an example of the cloud?
 - Amazon Web Services (AWS)
 - Dropbox
 - Cisco WebEx
 - All of the above
- To protect the computer system against the hacker and different kind of viruses, one must always keep _____ on in the computer system.
 - Antivirus
 - Firewall
 - VLC player
 - Script
- Which of the following is not a type of Malware?
 - Phishing
 - Viruses
 - Worms
 - Trojans
- The process in which the receiver interprets and understands the message is called
 - Decoding
 - Encoding
 - Feedback
 - None of these
- _____ arise when two individuals in an organisation belong to different religion, states or countries.
 - Physical Barriers
 - Cultural Barriers
 - Perceptual barriers
 - Emotional barriers

Contd...2

11. Define Man-in-the-Middle(MitM) attack.
12. What is IoT programming?
13. What is a backup?
14. Give one example for Non verbal communication.
15. What is meant by Group Communication?

SECTION B

Answer any TEN of the following:

(10X2=20)

16. What is Deep learning? Give an example.
17. What are neural networks?
18. List any two sources of big data.
19. What is data science?
20. Name any two Big data analytics tools.
21. Name any two real-world applications of IoT.
22. What are the types of Malwares?
23. Give any two differences between IaaS and SaaS.
24. Mention the signs of bad communication?
25. What is the difference between critical thinking and creative thinking?
26. What is the meaning of teamwork?
27. What do you mean by Design Thinking?

Answer any FIVE of the following:

(5x5=25)

28. Explain the applications of AI in the field of social media, healthcare and education.
29. What is Big data life cycle? Explain the stages involved in the Big data life cycle.
30. Differentiate between IoT and IIoT.
31. Explain the benefits of cloud computing.
32. What is Cyber Attack? Explain the common types of Cyber Attacks with examples.
33. Which are the skills needed to improve communication? Explain.
34. Explain the benefits of teamwork and collaboration.

(2021 batch onwards)

G 735 LA1.2

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St Aloysius College (Autonomous)**Mangaluru****B.A./ B.Com./B.B.A./B.Sc./B.C.A. - Semester II – Degree Examination****May - 2024****ENGLISH**

Time: 2½ hrs.

Max Marks: 60

UNIT - I (PROSE)**I A. Answer the following in a word/phrase/sentence each. (5x1=5)**

1. George Orwell is the pen name of _____.
2. The chapter 'Black Money and Black Economy' is an extract from the book _____.
3. According to Aruna Roy, the biggest horror for any individual or community is _____.
4. Who lost his life trusting the wisdom of the crows in the text 'On Superstitions'?
5. According to George Orwell, serious sport has nothing to do with _____.

B. Answer any THREE of the following in about 150-180 words each.**(3x5=15)**

1. Justify the author's preference to walk around the ladder than under it, in the text 'On Superstitions'?
2. What does Aruna Roy say about the importance of collective action?
3. What is black economy? How does Rammanohar Reddy explain the round-tripping of black money?
4. How does George Orwell justify his anti-sport standpoint in the text, 'The Sporting Spirit'? Do you agree with this standpoint?

UNIT - II (POETRY)**II Answer any TWO of the following in about 150-180 words each.****ST ALOYSIUS COLLEGE LIBRARY****(2x5=10)**

1. Describe the characters of the poem 'Ulysses'. Quote from the poem to support your answer.
2. Identify and elaborate on all the elements in 'Strange Meeting' that make it a 'war poem'.
3. What is the significance of the poem, 'Don'ts'?
4. What is the central theme of the poem 'Afterwards'? How does the poet explore the concept of time in the poem?

UNIT - III (SHORT STORY)**III Answer any TWO of the following in about 150-180 words each.****(2x5=10)**

1. In your opinion, who deserves credit for Lushkov turning his life around? Provide reasons for your answer.
2. Describe how discussions on ants dominated the boat as they made their journey towards Badama.
3. What did the inspection of the Santa Rosa reveal about the dangerous ants?
4. What kind of work did Lushkov do for Skvortsov in his employment in the story 'The Beggar'?

Contd...2

UNIT – IV (GRAMMAR AND WRITING SKILLS)

IV A. Fill in the blanks with appropriate articles. Wherever articles are not necessary fill with an 'X' mark. (5x1=5)

1. Rakesh graduated with a distinction from _____ Hyderabad University.
2. Rajath heard _____ old tale from his grandmother.
3. We are studying _____ English.
4. Wild animals suffer when kept in _____ captivity.
5. Ram has come without _____ umbrella.

B. Fill in the blanks with suitable prepositions from the list given below. (5x1=5)

1. I wish you'd let me come _____ you.
2. I decided to call _____ writing.
3. The room was empty _____ one man.
4. Fred's mood remained somber _____ the meal.
5. The game has been cancelled _____ adverse weather conditions.

(towards, apart from, instead of, along with, in view of, throughout, due to)

C. Add appropriate question tags for the following sentences. (5x1=5)

1. He is never satisfied with his salary. _____?
2. Students have hardly worked for this fest. _____?
3. Latha is beautiful. _____?
4. Few people were present for the meeting. _____?
5. Let's go for a walk. _____?

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D. Give one-word substitutes for the following from the list given below. (5x1=5)

1. Easily upset by unpleasant sights or situations.
2. Study of the physical features of the land.
3. To shout loudly
4. One who pursues noble principles and goals.
5. A very poor person.

(idealist, topography, squeamish, innoxious, yell, pauper, sadist)

(2022 Batch onwards)

G 736 LA3.2

Reg. No.

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St Aloysius College (Autonomous)
Mangaluru

B.A./ B.Com./ B.B.A./ B.Sc./ B.C.A. - Semester II Examination
May - 2024

HINDI

Time: 2½ hrs.

Max Marks: 60

I किन्हीं दो प्रश्नों के उत्तर लिखिए :

(2X5=10)

1. संपर्क भाषा के रूप में हिंदी की आवश्यकता को समझाइए।
2. राष्ट्रपति का आदेश 27 अप्रैल 1960 के मुख्य मुद्दों पर प्रकाश डालिए।
3. राष्ट्रपति का आदेश 3 दिसंबर 1955 के मुख्य बिन्दुओं पर प्रकाश डालिए।
4. प्रयोजनमूलक हिंदी का स्वरूप तथा महत्व पर प्रकाश डालिए।

II अ) किसी एक प्रश्न का उत्तर लिखिए :

(1X5=05)

1. आपके स्कूल में हिंदी साहित्य परिषद की ओर से हिंदी दिवस समारोह का आयोजन किया गया था उसका प्रतिवेदन लिखिए।
2. टिप्पण लेखन की परिभाषा लिखकर उसकी विशेषताओं पर प्रकाश डालिए।

आ) निम्नलिखित शब्दों के हिंदी रूप लिखिए :

(5X1=05)

1. Verification
2. Regional
3. Process
4. Grant
5. Designation

III एक वाक्य में उत्तर लिखिए :

(10X1=10)

1. बहादुर कहाँ से था? **ST ALOYSIUS COLLEGE LIBRARY**
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2. कानूनी सहायता केंद्र को कौन खोलता है?
3. कवि नरेश मेहता पाठकों से क्यों कहते हैं कि तुम भाग्यवान या खुशकिस्मत हो?
4. श्रद्धा सर्ग में मनु और श्रद्धा के किस जीवन अवस्था को ज्वालामुखी से तुलना किया है?
5. किसकी नजर निक्की के वक्षस्थल पर टिकी हुई थी?
6. रघुकुल मणि किस शिला पर बैठे थे?
7. सबके आकर्षण का केंद्र क्या है?
8. कर्ण किसको शाप देता है?
9. पति हड़बड़ी में क्या भूल जाता है?
10. चरणजीत ने निक्की से क्यों शादी की?

Contd...2

IV अ) निम्नलिखित किसी एक पद्यांश का संदर्भ सहित व्याख्या कीजिए : (1X5=05)

1. "सुना यह मनु ने मधु-गुंजार मधुकरी का-सा जब सानंद,
किए मुख नीचा कमल समान प्रथम कवि का ज्यों सुंदर छंद;
एक झिटका-सा लगा सहर्ष, निरखने लगे लुटे-से, कौन
गा रहा यह सुंदर संगीत? कुतूहल रह न सका फिर मौन!"

2. "मैं अपने को नन्हा-सा, दबा हुआ
विशालकाय बड़े-बड़े पोस्टरों
के अनुपात में खड़ा देख रहा हूँ,
जिनकी ओर
एक भीड़
देखती हुई
गुज़र रही है,
हँसती, गाती, उछलती, कूदती,
एक तेजी, एक भाग-दौड़
एक धक्कम-धूक्का, एक होड़
जिनके चारों ओर है।
मगर वे चुप हैं।"

आ) किसी एक पात्र का चरित्र-चित्रण लिखिए : (1X5=05)

1. बुढ़िया
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2. अमरिंदर

V किसी एक प्रश्न का उत्तर लिखिए : (1X10=10)

1. 'किस्सा जनतंत्र' कविता में मध्यमवर्गीय परिवार की दारुण कथा का विवरण किस तरह से चित्रित किया है? स्पष्ट कीजिए।
2. 'राम की शक्ति पूजा' कविता का सारांश अपने शब्दों में लिखिए।

VI किसी एक प्रश्न का उत्तर लिखिए : (1X10=10)

1. "समाज सेवा ही सच्ची राष्ट्रसेवा है" -इस कथन को पठित उपन्यास के आधार पर स्पष्ट कीजिए।
2. पठित उपन्यास 'सेवा और समर्पण' के आधार पर शीर्षक की सार्थकता सिद्ध कीजिए।

(2023 batch onwards)

G 537 LA2.2

Reg. No.

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ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ), ಮಂಗಳೂರು
ಬಿ.ಎಸ್ಸಿ. - ಎರಡನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ
MAY - 2024

ಕನ್ನಡ ಭಾಷಾಪತ್ರಿಕೆ - 2

ಸಮಯ : 2½ ಘಂಟೆ

ಗರಿಷ್ಠ ಅಂಕ: 60

I ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಮೂರನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ 7 X 3 = 21

1. ಋಷಿ ಕಣಾದನ ಅವಲೋಕನಗಳು, ಸಿದ್ಧಾಂತಗಳು ಹಾಗೂ ಕೊಡುಗೆಗಳೇನು? ವಿವರಿಸಿ
2. ಭರತ ಬಾಹುಬಲಿ ಪ್ರಸಂಗ - ಕಾವ್ಯಭಾಗದ ಸ್ವಾರಸ್ಯವನ್ನು ಬರೆಯಿರಿ
3. ಜನಾಂಗವೊಂದರ ನೋವಿನ ಅನಿವಾರ್ಯತೆ ಸಿದ್ಧಲಿಂಗಯ್ಯನವರ ಕಾವ್ಯ ಶಕ್ತಿಯಾಗಿ ಹೊರಹೊಮ್ಮಿದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ
4. ರಂಗಪ್ಪ ಮೇಷ್ಟ್ರು ಶಾಲೆಯಲ್ಲಿ ರಂಗಣ್ಣನು ತನಿಖೆ ನಡೆಸಿದ ಸ್ವಾರಸ್ಯ ಸನ್ನಿವೇಶವನ್ನು ವಿವರಿಸಿ
5. ಜಾಗತಿಕ ವಿದ್ಯಮಾನಗಳ ಸವಾಲುಗಳನ್ನು ಕವಿತಾ ಮಿಶ್ರ ಅವರು ಎದುರಿಸಿದ ಬಗೆಯನ್ನು ಪರಿಚಯಿಸಿ
6. 'ಮಲೆಗಳಲ್ಲಿ ಮದುಮಗಳು' ಕಾದಂಬರಿಯ ಸಿಂಬಾಪಿ ಭರಮೈ ಹೆಗ್ಗಡೆಯ ಸಂಬಂಧ ಬೆಳೆಸಲು ಮಾಡಿದ ನಾಗತ್ತೆ ಪ್ರಯತ್ನವೇನಾಯಿತು? ವಿವರಿಸಿ

II ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಮೂರನ್ನು ಸಂಕ್ಷಿಪ್ತ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ 3 X 3 = 09

7. ಯಾವ ಪಂಥಕ್ಕೂ ನಿಲುಕದ ಉಮರ ಖಯ್ಯಾಮನ ಅನುಭವ ಸಿದ್ಧಾಂತವನ್ನು ಡಿ.ವಿ.ಜಿ.ಯವರು ಹೇಗೆ ನಿರೂಪಿಸಿದ್ದಾರೆ?
8. ಭಾವನೆಗಳ ಹಿಂದಿರುವ ಮುಗ್ಧತೆಯು ನಾಶವಾಗುವ ಪ್ರಕ್ರಿಯೆಯು 'ಚಿಟ್ಟಿ ಮತ್ತು ಮೇಷ್ಟ್ರು' ಕವಿತೆಯಲ್ಲಿ ಅನಾವರಣಗೊಂಡ ಬಗೆಯನ್ನು ವಿವರಿಸಿ
9. ಬಾನಿನಿಂದ ನೆಗೆಯುವ ಬಾನಕ್ಕಿಯ ಭವ್ಯಚಿತ್ರಣವನ್ನು ವಿವರಿಸಿ
10. ಸರ್ ಜಗದೀಶ್ ಚಂದ್ರಬೋಸ್‌ರ ಕೊಡುಗೆಗಳೇನು?
11. ಮನುಷ್ಯನ ಬದುಕು ಮತ್ತು ನಿಸರ್ಗದ ವಿಸ್ಮಯಗಳು ಚಂಪಾ ಅವರ ಕವಿತೆಯಲ್ಲಿ ವಸ್ತುವಾದ ಹಿನ್ನೆಲೆಯನ್ನು ವಿವರಿಸಿ
12. ಪ್ರಕೃತಿ ಸೌಂದರ್ಯದ ಉಳಿವು 'ಅಂಗಳದ ಅರಳಿ' ಕವಿತೆಯಲ್ಲಿ ಹೇಗೆ ಅನಾವರಣಗೊಂಡಿದೆ?

III ಒಂದು ಪದ್ಯಭಾಗದ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಪದ್ಯದ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ 4 X 1 = 04

13. ಆ ನೀರಿನಲ್ಲಿ ತೇಲಿಬಂದೊ ಹೆಣ
ಮೇಲಾಡುತ್ತಿದ್ದೋ ಹಾವು
ನಕ್ಕ ಚುಕ್ಕೆಗಳೆಲ್ಲ ಕಲ್ಲಿದ್ದಲಾಗಿದ್ದೋ
ಎಷ್ಟೋ ಈ ಸಲದ ಸಾವು?
14. ಸೋದರರೊಳ್ ಸೋದರರಂ
ಕಾದಿಸುವುದು ಸುತನ ತಂದೆಯೆಡೆಯೊಳ್ ಬಿಡದು
ತ್ವಾದಿಸುವುದು ಕೋಪಮನಳ
ವೀ ದೊರೆತೆನೆ ತೊಡರ್ವದೆಂತು ರಾಜ್ಯಶ್ರೀಯೊಳ್

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Contd...2

G 537 LA2.2

Page No. 2

2X2= 04

IV ಎರಡು ಪದ್ಯ ಸಾಲುಗಳ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಸಾಲಿನ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ

15. ಬೇಡ - ಬೊಕ್ಕತಲೆ ಮೇಷ್ಟ್ರ ಪಾಠವೂ ಬೇಡ
16. ಹಾಡುತಿದೆ ಕಣ್ಣುಚ್ಚಿ ದನಿಯನ್ನು ನಿಲ್ಲಿಸದೆ - ಉಳಿದೆಲ್ಲ ಹಕ್ಕಿಗಳ ದನಿಕುಗ್ಗಿಸಿ
17. ಬೆಳುಗದಿರ ಸಯ್ಯರೆಯೆ ತುಳುಕುತ ನಭಂ ಪೊನಲ್ವರಿಯುವಂತೆ
18. ಒಮ್ಮೆ ಅರಳಿದ ಹೂವು ಬಾಡುವುದೆ ದಿಟವು

3X2= 06

V ಅ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ

19. ಉಮರ್ ಖಯ್ಯಾಮನ ಒಸಗೆ
20. "ಶಾಲ್ಮಲಾ" ಕವಿತೆಯಲ್ಲಿ ಪ್ರಕಟವಾದ ಧಾರವಾಡದ ಪ್ರಕೃತಿ ಚಿತ್ರಣ
21. ಭರತ ಬಾಹುಬಲಿ
22. ಹೊಸಗನ್ನಡ ಆರಂಭ ಕಾಲದ ಅನುವಾದ ಪರ್ವದಲ್ಲಿ ಬಾನಕ್ಕಿ

3X2= 06

ಅ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ

23. ರಂಗಪ್ಪನ ಮಕ್ಕಳ ಶೈಕ್ಷಣಿಕ ಮಟ್ಟ
24. ಹೋಮಿ ಜೆ. ಭಾಭಾ
25. ನಾಗಣ್ಣನ ಪಾತ್ರ ಪರಿಚಯ
26. ಬರಡು ಜಮೀನಿನ ಫಲವತ್ತತೆ ಗುಟ್ಟು ತಿಳಿದ ಕವಿತಾ ಮಿಶ್ರ

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1X10= 10

VI ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ

27. ಕವಿತಾ ಮಿಶ್ರ ಅವರ ಹುಟ್ಟೂರು ಯಾವುದು?
28. ಗೋವಿಂದ ಪೈಯವರಿಗೆ ಮದ್ರಾಸ್ ಸರ್ಕಾರ 1949ರಲ್ಲಿ ಯಾವ ಪ್ರಶಸ್ತಿಯನ್ನು ನೀಡಿ ಗೌರವಿಸಿದೆ?
29. ವಿ.ಸೀ. ಎಂದೇ ಖ್ಯಾತರಾದ ಕವಿಯ ಪೂರ್ಣ ಹೆಸರೇನು?
30. ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಎರಡನೆಯ ರಾಷ್ಟ್ರಕವಿ ಪ್ರಶಸ್ತಿಯನ್ನು ಯಾರಿಗೆ ನೀಡಿ ಗೌರವಿಸಿದೆ?
31. 'ಗಾಮದೇವತೆ' ಕುರಿತು ಸಾಂಸ್ಕೃತಿಕ ಅಧ್ಯಯನ ನಡೆಸಿ ಪಿಎಚ್.ಡಿ. ಪಡೆದುಕೊಂಡ ಕನ್ನಡದ ಕವಿ ಯಾರು?
32. 'ರಂಗಣ್ಣನ ಕನಸಿನ ದಿನಗಳು' ಕಥೆಯ ಗೋಪಾಲ ----. [ಆಯ್ಕೆ ಮಾಡಿ ಉತ್ತರಿಸಿ : ಅಡುಗೆಯವನು, ಗುಮಾಸ್ತ, ಮಾಷುಟ್ಟ]
33. 'ಇಂಡಿಯನ್ ಸ್ಟೇಸ್ ರಿಸರ್ಚ್ ಆರ್ಗನೈಸೇಶನ್'ನ ಸಂಸ್ಥಾಪಕರು ಯಾರು?
34. ಉಮರ್ ಖಯ್ಯಾಮನ ರುಬಾಯ್ಯತನ್ನು ಇಂಗ್ಲಿಷಿಗೆ ಅನುವಾದಿಸಿದವರು ಯಾರು?
35. ಶ್ರೀಕೃಷ್ಣ ಆಲನಹಳ್ಳಿಯವರಿಗೆ ಯಾವ ಕೃತಿ ಸಿನಿಮಾವಾಗಿ ಹೆಚ್ಚು ಖ್ಯಾತಿಯನ್ನು ತಂದುಕೊಟ್ಟಿತು?
36. 'ಕವಿತಾ ಗುಣಾರ್ಣವ'ನೆಂಬ ಬಿರುದಿಗೆ ಪಾತ್ರನಾದ ಕವಿ ಯಾರು?

(2022 Batch Onwards)

G 538 LA4.2

Reg. No.:

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester II – Degree Examination**

May - 2024

SANSKRIT

Time: 2½ hrs.

Max Marks: 60

2 x 5 = 10

1 द्वौ अनुवादं कृत्वा विवृणुत ।

1.1 संक्षेपात् कथ्यते धर्मः जनाः ! किं विस्तरेण वः ।
परोपकारः पुण्याय पापाय परपीडनम् ॥1.2 मरुस्तत्यां यथा वृष्टिः क्षुधार्ते भोजनं तथा ।
दरिद्रे दीयते दानं सफलं पाण्डुनन्दन ॥1.3 सर्वस्य हि परीक्ष्यन्ते स्वभावा नेतरे गुणाः ।
अतीत्य हि गुणान् सर्वान् स्वभावो मूर्ध्नि वर्तते ॥1.4 श्रूयतां धर्मसर्वस्वं श्रुत्वा चैवावधार्यताम् ।
आत्मनः प्रतिकूलानि परेषां न समाचरेत् ॥

2 त्रीन् कर्णाटकभाषया आङ्ग्लभाषया वा प्रबन्धात्मकमुत्तरं लिखत ।

3 x 5 = 15

2.1 स्नातकोपदेशः पाठोक्त विचारान् लिखत ।

2.2 अतिलोभो विनाशाय पाठस्य सारमधिकृत्य लिखत ।

2.3 न्यायवादि बिडालः पाठोक्त विचारान् लिखत ।

2.4 नहुषोपाख्यानम् पाठोक्तरीत्या विशदयत ।

2.5 सगरकथा पाठस्य सारं लिखत ।

3 द्वौ कर्णाटकभाषया आङ्ग्लभाषया वा टिप्पणीं लिखत ।

2 x 4 = 08

3.1 नहुषः ।

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3.2 हितोपदेशः ।

3.3 विष्णुशर्मः ।

4 त्रीन् सप्रसङ्गं विवृणुत ।

3 x 4 = 12

4.1 स्वाध्यायप्रवचनाभ्यां न प्रमदितव्यम् ।

4.2 कथं मारात्मके त्वयि विश्वासः ।

4.3 जगत् अनीश्वरं बभूव ।

4.4 अहिंसा एव धर्ममार्गः ।

4.5 सत्यं वद । धर्मं चर ।

Contd...2

5 एकं संस्कृतेन टिप्पणीं लिखत ।

1 x 5 = 05

5.1 महाभारतम् ।

5.2 उपनिषद् ।

5.3 पञ्चतन्त्रम् ।

6 व्याकरणम् ।

10 x 1 = 10

रिक्तस्थानानि पूरयत ।

6.1 यथा प्रकृत्या _____ गवां पयः । (मधुरम्, कटुः, लवणम्)

6.2 सर्वे _____ पातालतलं जग्मुः । (मिलित्वा, गत्वा, दत्तम्)

6.3 आत्मवत् सर्वभूतेषु यः पश्यति _____ पण्डितः । (सः, अहम्, तत्)

6.4 यावत् भूमिः गिरयः च _____ तावत् । (प्रष्टव्यः, दातव्यम्, तिष्ठेयुः)

6.5 ब्रह्म च उत्सादनं _____ । (जगाम, जग्मुः, जगत)

6.6 देशे काले च पात्रे च तद्दानं _____ विदुः । (सात्त्विकम्, राजसम्, तामसम्)

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संयोजयत ।

6.7 पञ्चतन्त्रम् । - नहुषोपाख्यानम् ।

6.8 महाभारतम् । - व्याघ्रः ।

6.9 रामायणम् । - न्यायवादी बिडालः ।

6.10 सुवर्णकङ्कणम् । - सगरकथा ।

6.11 उपनिषद् । - अतिलोभो विनाशाय ।

6.12 हितोपदेशः । - स्नातकोपदेशः ।

G 739 LA 8.2

(2021 Batch onwards)

Reg. No:

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St Aloysius College (Autonomous)

Mangaluru

B.A. /B.Sc./B.Com /BBA/BCA Semester II - Degree Examination

May -2024

KONKANI

Time: 2 ½ Hours

Max. Marks: 60

(1×5=5)

I ಖಂಚಾಯ್ ಎಕಾ ಕವನಾಚೊ ಸಾರಾಂಶ್ ಬರಯಾ.

Khanchai eka kavanacho saranx boroya

खन्चय एक कवनचो सरन्श बोरोय

- | | | |
|---|---|--|
| 1) ಪರ್ದೇಶಾಂತೊ ಮಂಗ್ಳುರ್ ಪಾವ್ಲೊ
ಅಲ್ತೊಟಾಕ್ ಮ್ಹಣ್ ಉಡೊನ್
ಧಾಂವ್ಲೊಂ.
ದಾರಾಂ ಫಿಫಾರ್ ಅಜ್ಯಾಪ್ ಜಾಲೊ
ಖಂಯ್ಲರ್ ಪಾವ್ಲ್ಯಾಚಿಂ ಚಿಂತುಂಕ್
ಲಾಗ್ಲೊ
ಆಕಯ್ ಆವ್ಚಿ ಆನ್ಯಾ ಆಕಯ್ | पर्देशन्तलो मनळुर पव्लो
अलतोटक मुण उडोन
दव्लो
दर फिचर अज्यप जलो
खयसर पव्ल्य चिन्तुक लगलो
अकै अम्चिं अन्य अकै | Pardexantlo manglur pavlo
Altotak munn udon dhavlo
Dara pichar ajoyap zalo
Khaisar pavlyachintunk laglo
Akai amchi anya akai |
|---|---|--|

- | | | |
|--|--|---|
| 2) ಇಜ್ಮೊಲಾಚಿ ವಾಟ್ಲಿ
ಡಣಾ ಡಣಾ ಅವಾಜ್ ಕರೊನ್
ಖಣಾ ಖಣಾ ಕಿನ್ನೆಣಾವ್ನ್
ಲೊಕಾ ಮಧೆಂ ಘಸ್ಲಿ! | इज़मोलचि वट्ळि
डण डण अवज़ करुन
खण खण किण्किण्ण
लोक मोदे घुस्लि! | Izmolachi vattli
Danna danna awaz karun
Khanna khanna kinnkinnavn
Loka modhe ghusli! |
|--|--|---|

II ಎಕಾ ವಾಕ್ಯನ್ ಜಾಪ್ ಬರಯಾ. Eka vakyan zap boroya एक वक्यन ज़प बोरोय (5×1=5)

- 1) ಸ್ವಾಮಿ ಸುಪ್ರಿಯಾಚೆ ಪೂರ್ಣ್ ನಾಂವ್ ಕಿತೆಂ?

स्वमि सुप्रियचे पूर्ण नव किते? ST ALOYSIUS COLLEGE LIBRARY
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Swami supriyache poornn naav kite?

- 2) ಸುಕ್ನ್ಯಾ ಪಿಲಾಂ ಕವನಾಚಿ ಕವಿ ಕೋಣ್?

सुकण्य पिल कवनचि कवि कोण?

Suknnya pila kavanachi kavi konn?

- 3) ಕಿರಾ ಬೊನ್ಚ್ ಕವಿತಾ ಜಮೊ ಕೊಣಾಚೊ?

किरा बोनच कवित ज़ोमो कोणचो?

Kira bonch kavita zomo konnacho

- 4) ಕೊಣಾಕ್ ಕೇಂದ್ರ್ ಸಾಹಿತ್ಯ್ ಆಕಾಡೆಮಿಚಿ ಪ್ರಶಸ್ತಿ ಫಾವೊ ಜಾಲ್ಯಾ?

कोणक केन्द्र सहित्य अकडेमिचि प्रशस्ति फ़ावो ज़ल्य?

Konnak kendr sahitya academichi praxasti favo zalya?

- 5) 'ಸೊಂಶಾಚೆ ಕಾನ್' ಕವಿತಾ ಪುಸ್ತಕ್ ಕೊಣಾಚೆಂ?

सोन्शचे कन कवित पुस्तक कोणचे?

Sonxache kan kavita pustak konnache?

Contd...2

III ಖಂಚಾಯ್ ಎಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯಾ.

(1×5=5)

Khanchal eka savalak zap boroya.

खन्चय एक सवलक ज़प बोरोय

1) ಕವಿ ಇಜ್ಮೊಲಾಚೆ ವದಲೆ ಮುಖಾಂತ್ ಕಿತೆಂ ಸಾಮಾಜಿಕ್ ಚಿತ್ರಣ ದಿತಾ? ವಿವರಿಸಯಾ.

कवि इज्मोलचे वदले मुखान्त्र किते समजिक चित्रण दित? विवर्सिय.

Kavi izmolache vatle mukhantr kite samajik chitrann dita? vivarsiya

2) ಶಾಲಿ ಆನಿ ಪೆದ್ರುಚ್ಯಾ ವಾಡ್ಡಿಕೆ ವಿಶಿಂ ಬರಯಾ.

शलि अनि पेट्रुच्य वड्डिके विशि बोरोय

Shali ani pedruchya vaddike vixi boroy

UNIT - II

I ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ: **savalank zap boroya** ಸವಲಾಂಕ್ ಜಪ್ ಬೋಯ

(5×1=5)

1. 'ಕೊನ್' ಪದಚೊ ಅರ್ಥ್ ಕಿತೆಂ?

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'ಕೊನ್' ಪದಚೊ ಅರ್ಥ್ ಕಿತೆಂ

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'Kon' padacho arth kite?

2. 'ಕೊಂಗ್ -ಕೊನಾ-ಪುಲೊ' ಮುಣ್ ಕೊಣೆಂ ಆಪಯ್ಲೆಂ?

'कोना -कोन- पुलो ' मुण कोणे अपोयले

'kong - kona -pulo' munn konne apail'le?

3. ಕಲ್ಲಣಾಚ್ಯಾ ರಾಜಾ ತರಂಗಿಣಿಂತ್ ಕೊಣಾಚೊ ಉಲ್ಲೇಖ್ ಆಸಾ?

कल्लणच्य रजा तरनिणिन्त कोणचो उल्लेक आस?

Kal'lannacha raja taranginnint konnacho ul'lek asa?

4. ಖಂಚಾ ಗ್ರಾಂಥಾಂತ್ ಸಪ್ತ ಕೊಂಕಣಾಚೊ ಉಲ್ಲೇಖ್ ಆಸಾ?

खन्चा ग्रन्तन्त सप्ता कोन्कणचो उल्लेक अस?

Kancha grantant saptha konkannacho ul'lek asa?

5. ಖಂಚ್ಯಾ ನಯ್ ತಡಿರ್ ಕೊಂಕ್ಣಿ ಸಂಸ್ಕೃತಿ ಉದೆಲೆ?

खन्चय नय तडिर कोन्कणि संस्कृति उदेलि?

Khancha nay tadir konkanni sanskriti udeli?

II. ಖಂಚಾಯ್ ಎಕಾ ಪಾತ್ರಾಚಿ ಪರಿಚಯ್ ದಿಯಾ **khanchay eka patrachi parichay diya**

खन्चय एक पत्राचि परिचय दिय

(5)

1. ಸಪ್ತ ಕೊಂಕಣಾ ಸಪ್ತ ಕೊಂಕಣಾ sapta konkanna

2. ಸಂಸ್ಕೃತಿ ನಯ್ ಸರಸ್ವತಿ ನಯ್ saraswati nay

III. ಖಿಂಚಾಯ್ ಎಕಾ ಸವಾಲಾಕ್ ಜಾಪ್ ಬರಯಾ. खन्चय एक सवलक ज़प बोरोय (1×5=5)

1. ಬಂಧಡೆಚ್ಯಾ ಪಾಟ್ ಥಳಾಂ ವಿಶಿಂ ಬರಯಾ.

बंदडेच्य पट तळ विशि बोरोय

Bandadechya pat thalla vixi boroy

2. ಸರಸ್ವತಿ ನಂಯ್ ಆನಿ ಕೊಂಕ್ಣಿ ಸಂಬಂಧ್ ಕಳಯಾ.

सरस्वति नय अनि कोन्कणि सम्बन्ध कळय

Saraswati nay ani konkanni samband kallay

UNIT - III

I ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ. Yeka vakyan zap boroy एक वक्यन ज़प बोरोय (5×1=5)

1. ಶೆಣೈ ಗೊಂಯ್ ಬಾಬಚೆ ಪೂರ್ಣ್ ನಾಂವ್ ಕಿತೆಂ?

शेणै गोय बबचे पूर्ण नव किते?

Shenai goy babache poorann naav kite?

2. ಶೆಣೈ ಗೊಂಯ್ ಬಾಬಚೆ ಜಲ್ಮ್ ಕೆನ್ನಾ ಜಾಲೆಂ?

शेणै गोय बबचे ज़ल्म केत्र ज़ले?

Shenai goy babache zalm kenna zale?

3. ಖಿಂಚೊ ಪುಸ್ತಕ್ ವಾಚುನ್ ಶೆಣೈ ಗೊಂಯ್ ಬಾಬ್ ಪ್ರಭಾವಿತ್ ಜಾಲೊ?

खन्चो पुस्तक वचुन शेणै गोय बब प्रभावित ज़लो?

Khancho pustak vachun shenai goy bab prabhavit zalo?

4. ಬಾಪ್. ಮಾಫೇಯಿಚೆ ಪೂರ್ಣ್ ನಾಂವ್ ಕಿತೆಂ?

बप. मफ़ेयिचे पूर्ण नव किते?

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Bap. Maffeiche poorann naav kite?

5. ಬಾಪ್. ಮಾಫೇಯಿ ಖಿಂಚ್ಯಾ ಗಾಂವಾಂತ್ ಜಲ್ಮಲೊ? ಆನಿಂ ಕೆನ್ನಾ.

बप. मफ़ेयि खन्च गवन्त ज़ल्मलो? अनि केत्र?

Bap. Maffei khancha gavant zalmalo? Ani kenna?

II ಖಿಂಚಾಯ್ ಎಕಾ ಸವಾಲಾಕ್ ಜಾಪ್ ಬರಯಾ. खन्चय एक सवलक ज़प बोरोय

Khanchay yek Savalak zap Boroy

(2×5=10)

1. ಶೆಣೈ ಗೊಂಯ್ ಬಾಬಚ್ಯಾ ಬಾಳ್ಪಣಾ ವಿಶಿಂ ಬರಯಾ.

शेणै गोय बबच्य बळ्पोण विशि बोरोय

Shenai goy babachya ballpanna vixi boroy

2. ಬಾಪ್. ಮಾಫೇಯಿಚ್ಯಾ ಸಾಹಿತ್ಯಿಕ್ ವಾಪ್ರಾ ವಿಶಿಂ ಬರಯಾ.

बप. मफ़ेइच्य सहितिक वत्र विशि बोरोय

Bap. Maffeichya sahitik vavra vixi boroya

UNIT - IV

I ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ. Yeka vakyan zap boroy एक वक्यन ज़प बोरोय (5×1=5)

1. ವಿಶೇಷಣ್ ಮ್ಹಳ್ಳಾರ್ ಕಿತೆಂ?

विशेषण मुळ्यर किते?

Vixexann mullyar kite?

2. ವಿಶೇಷಣಾಕ್ ಏಕ್ ಉದಾಹರಣ್ ದಿಯಾ.

विशेषणक येक उदरण दिय

Vixexannak yek udaharan diya

3. ಕ್ರಿಯಾಪದ್ ಮ್ಹಳ್ಳಾರ್ ಕಿತೆಂ?

क्रियपद मुळ्यर किते?

Kriyapad mullyar kite?

4. ಧಾತು ಮ್ಹಳ್ಳಾರ್ ಕಿತೆಂ?

धतु मुळ्यर किते?

Datu mullyar kite?

5. ಕೊಂಕ್ಣೆಂತ್ ಕಿತ್ಲೆಂ ಕಾಳ್ ಆಸಾತ್?

कोन्वणेन्त कित्ले कळ असत?

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MAHARASHTRA UNIVERSITY, PUNE

Konkannent kitle kall asat?

II ಸವಲಾಂಕ್ ಜಾಪಿ ಬರಯಾ. savalank zapi boroy सावलन्क जापि बोरोय (2×5=10)

1. ಕ್ರಿಯಾ ವಿಶೇಷಣ್ ಆನಿಂ ತಾಚೆ ಪ್ರಕಾರ್ ಉದಾಹರಣಾ ಸಂಗಿಂ ಬರಯಾ.

क्रिय विशेषण अनि तचे प्रकर उदहरण सणि बोरोय

Kriya vixexann ani tache prakar udaharanna sangi boroya

2. ಧಾತು ಆನಿಂ ತಾಚೆ ಪ್ರಕಾರ್ ಉದಾಹರಣಾ ಸಂಗಿಂ ಬರಯಾ.

धतु अनि तचे प्रकर उदहरण सणि बोरोय

Datu ani tache prakar udaharanna sangi boroy.

(2021 batch onwards)

G 740 LA7.2

Reg. No.

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St Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc./B.Com./B.B.A./B.C.A. Semester II – Degree Examination
May - 2024

ADDITIONAL ENGLISH
Cross-Cultural Texts - II

Time: 2½ hrs.

Max Marks: 60

UNIT - I (PROSE)

I A. Answer any TWO of the following in about 100-150 words each:
(2x5=10)

1. Discuss the question of identity expressed in "Toba Tek Singh".
2. Discuss the theme of communal violence in 'The Ghosts of Mrs Gandhi' by Amitav Ghosh.
3. Discuss the theme of insanity in the prose 'Toba Tek Singh' by Saadat Hasan Manto.
4. Comment on the socio-political views of the narrator as expressed in the text 'A Hindu and a Muslim Started Living Together'.

B. Answer any ONE of the following in about 250-300 words:
(1x10=10)

1. How does "Savitri's Revenge" by Manu S Pillai contribute to our understanding of caste and gender relations in Indian society?
2. 'Toba Tek Singh' is a powerful satire and a bitter indictment of the political process and behavior patterns that caused the 1947 India-Pakistan Partiton. Comment.

UNIT - II (NOVEL)

II. Answer any ONE of the following in about 250-300 words:
(1x10=10)

1. Discuss the theme of corruption in the novel *Rita Hayworth and Shawshank Redemption*.
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2. How do the characters in *Rita Hayworth and Shawshank Redemption* by Stephen King navigate themes of redemption and forgiveness?

UNIT - III (POETRY)

III.A Annotate any ONE of the following in about 100-150 words each.
(1x5=5)

1. Ancient Indian Wisdom is 100% correct, I should say even 200% correct, But modern generation is neglecting - Too much going for fashion and foreign thing. Other day I'm reading newspaper (Every day I'm reading Times of India To improve my English Language)
2. With a thousand fears that vision's face was grained; Yet no blood reached there from the upper ground, And no guns thumped, or down the flues made moan. "Strange friend," I said, "here is no cause to mourn." "None," said that other, "save the undone years, The hopelessness.

Contd...2

G 740 LA7.2

B Answer any TWO of the following in about 100-150 words each:

(2x5=10)

1. Discuss Wilfred Owen's poem "Strange Meeting" as an anti-war poem.
2. How does the poem "Still I Rise" reflect Maya Angelou's own experiences and identity as a Black woman?
3. What is the significance of the title "The Patriot"?

UNIT – IV (Grammar and Writing Skills)

IV. A. Select the appropriate one-word substitutes from the options

(5x1=5)

- provided:**
1. State in which the few govern the many a) Monarchy b) Oligarchy
c) Plutocracy d) Autocracy
 2. List of business or subjects to be considered at a meeting a) Schedule
b) Timetable c) Agenda d) Plan
 3. The mistake of placing something in the wrong period of time a) Misdate
b) Anachronism c) Misplacement d) Prolepsis
 4. For which no salary is paid a) Obsolete b) Honorary c) Illiterate d) None of
the above
 5. One who possesses many talents a) Versatile b) Nubile c) Exceptional
d) Gifted

B. Identify the word which collocates with the underlined words in bold:

(5x1=5)

1. **Keep:** table, money, a secret
2. **Get:** flop, started, service
3. **Take:** agreement, Late, notes
4. **Centre:** Stage, service, call
5. **Huge :** service, task, secret

C. Write a movie review for any movie that you have watched recently.

(1x5=5)

(2021 Batch onwards)

G 750 LA6.2

Reg. No. :

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**St. Aloysius College (Autonomous)
Mangaluru**

**B.A./B.Sc. /B.Com./B.B.A./B.C.A. - Semester II - Degree Examination
May - 2024**

FRENCH

Time: 2½ hrs.

Max Marks: 60

I. Répondez aux 5 questions:

(5x1=5)

1. Quand célèbre t- on La Fête de la Musique?
2. Quels prix sont récompensés pour les meilleurs romans francophones?
3. Combien de personne ont visité l'exposition du peintre américain?
4. Quelle ville organise-t-elle la nuit blanche?
5. Nommez deux fête importée en France.
6. Dans quelle ville la fête de la tomates a commencé?

II. Répondez aux 4 questions en 9 ou 10 lignes

(4x5=20)

1. Décrivez les fêtes importés et exportés en France.
2. Résumez le roman « Le Comte de Monte-Cristo »
3. Résumez le roman « Madam Bovary »
4. Résumez le roman « Les Trois Mousquetaires »
5. Comment les français s'informent ?

III. Employez le pronom COD ou COI

(5x1=5)

1. Vous adapté une chienne ? Oui _____.
2. Daniel écrira à ses parents? Oui, _____.
3. Vous écrivez souvent à vos amis ? Oui, _____.
4. Avez - vous envoyé la lettre? Non, _____.
5. Le directeur nous attend à dix heures ? Non, _____ à onze heures.

IV. Mettez les verbes au temps indiqué:

(5x1=5)

1. Vous _____(arroser-present) ces plantes.
2. Vous _____(venir - futur simple) de Maurice le mois prochain?
3. Clotild _____(sortir, passé composé) du balcon.
4. Vous _____(vouloir- present) du café?
5. Je _____(être. imparfait) très sympathiques.

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V. Répondez en utilisant les pronoms relatifs qui, que, où :

(5x1=5)

1. C'est l'actricejoue le role de Laura.
2. J'ai téléphoné à mon ami _____ travaille à ELF.
3. Nous avons passé les vacances dans le village __ je suis née.
4. J'entends le poème _____ il a écrit.
5. La plage__ nous sommes allés est très polluée.

Contd...2

G 750 LA6.2

VI. Complétez le texte avec les mots proposés: (5x1=5)
(règle, enfants, souple, trouves, encore)

Une heure de jeu vidéo par jour, et uniquement les vendredi, samedi et dimanche, soit 3 heures par semaine. Voilà la _____ que les jeunes Chinois doivent respecter depuis le 1er septembre. Tu _____ cela trop dur ? Alors apprends qu'en plus ils ne peuvent plus jouer qu'entre 20 h et 21 h ! Ouf, pendant les vacances, ce sera un peu plus _____ puisqu'ils auront le droit de jouer une heure par jour. Depuis 2019, la Chine réglementait déjà le temps de jeu pour les _____, avec 90 minutes maximum autorisées par jour et 3 heures le week-end, uniquement entre 22 h et 8 h du matin. Le gouvernement a donc décidé d'être _____ plus sévère.

VII. Dialoguez sur le UN sujet suivant: (1x5=5)

1. Vous êtes avec des amis dans un restaurant où on vous sert des plats originaux. Vous lisez et commentez la carte. Vous choisissez vos plats.
2. Votre amie va à un entretien pour trouver du travail. Vous lui donnez des conseils.

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VIII. COMPREHENSION (5x1=5)

Depuis quelques années, le vélo électrique connaît un essor fulgurant en France. On en voit de plus en plus circuler dans les rues, empruntant les pistes cyclables et sillonnant les campagnes. Ce moyen de transport écologique et économique séduit de plus en plus d'adeptes. Plusieurs facteurs expliquent cette popularité grandissante. Tout d'abord, l'amélioration de la technologie a permis de baisser les prix des vélos électriques et d'augmenter leur autonomie. De plus, les aides financières gouvernementales incitent à l'achat de ce type de vélo.

L'essor du vélo électrique s'inscrit également dans une tendance plus globale de prise de conscience écologique. De plus en plus de personnes cherchent à réduire leur empreinte carbone et à se déplacer de manière plus respectueuse de l'environnement. Le vélo électrique offre une alternative intéressante à la voiture, notamment pour les trajets courts en ville.

Cependant, son utilisation pose certains défis. La cohabitation avec les piétons et les cyclistes traditionnels requiert une vigilance accrue de la part de tous les usagers. De plus, la question de la sécurité des cyclistes électriques est un enjeu important, et le développement d'infrastructures adaptées est crucial. Malgré ces défis, le vélo électrique a le potentiel de révolutionner la mobilité urbaine et de contribuer à un avenir plus durable.

Répondez aux questions:

1. Quel est le sujet principal du passage?
2. Quelles sont les raisons principales de l'essor du vélo électrique?
3. Comment le vélo électrique s'inscrit-il dans une tendance plus globale?
4. Quels sont les défis liés à l'utilisation du vélo électrique?
5. Selon le passage, quel est l'avenir du vélo électrique?

(1x5=5)

IX. Rédigez votre CV.

Vous cherchez du travail dans université en France. Rédigez votre CV.

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**St Aloysius College (Autonomous)
Mangaluru**

**B.A./B.Com./B.Sc./B.B.A./B.C.A. - Semester II - Degree Examination
May / June - 2024
MALAYALAM**

Time: 2½ hrs.

Max Marks:60

- I. ഒന്നോ രണ്ടോ വാക്യത്തിൽ ഉത്തരമെഴുതുക (5x1=5)**
1. ആശാന്റെ നാലു ഖണ്ഡകാവ്യങ്ങളെന്തൊക്കെ?
 2. ശകുന്തളയെ ഭർത്തൃഗൃഹത്തിലേക്കയച്ചപ്പോൾ കണ്ണമഹർഷിക്കുണ്ടായ സമാധാന ചിന്തയെന്ത് ?
 3. ലാൽമാത്തിയ ജാർഖണ്ഡിലാണെന്നു കേട്ടപ്പോൾ ഗോപാൽയാദവിന്റെ പ്രതികരണമെന്തായിരുന്നു ?
 4. ശകുന്തള ലതാഭഗിനിയോട് യാത്രാമൊഴി ചോദിച്ചതെങ്ങിനെ ?
 5. മരുമകളുടെ അനുജത്തിയുടെ വിവാഹത്തിന് താല്പര്യമില്ലാതിരുന്നിട്ടും അച്ഛൻ പോകാൻ കാരണമെന്ത്?

- II. സന്ദർഭവും സാരസ്യവും വ്യക്തമാക്കുക (മൂന്നെണ്ണത്തിന്) (3x4=12)**
6. പൂത്രനുള്ളവാം നിനക്കും പൂരുവുവൾക്കെന്നപോലെ സാമ്രാട്ടായ്..
 7. മന്ദം കാട്ടുവെത്തിദ്രാഹം തീർത്തു- **ST ALOYSIUS COLLEGE LIBRARY**
കന്ദരം പുകും കേസരി പോലവൻ **MANGALURU - 575 003**
 8. ശത്രുക്കളുടെ കൈയിൽപ്പെട്ട് പിടയുന്ന ഒരു പക്ഷിയുടെ ചിറകടി പോലെയുണ്ടായിരുന്നു അവരുടെ ശബ്ദം..
 9. ഈ ഇരുനൂറ്റുവത് പറഞ്ഞപ്പോ ജോനിയിൽ പോരാൻ. എങ്ങനേണ്ട്!

- III. ഒരു പുറത്തിൽ കുറയാതെ ഉത്തരമെഴുതുക (രണ്ടെണ്ണത്തിന്) (2x8=16)**
10. ചണ്ഡാലസ്ത്രീയുടെയും ഭിക്ഷുവിന്റെയും സമാഗമം കാവ്യത്തിൽ അവതരിപ്പിച്ചിരിക്കുന്നതെങ്ങിനെ ?
 11. പിതാവ് മകനെ കാണുമ്പോൾ ചോദിക്കാൻ കരുതിവെച്ചതെന്തൊക്കെ ?
 12. ഭർത്തൃഗൃഹത്തിലേക്ക് പുറപ്പെട്ട ശകുന്തളക്ക് കണ്ണൻ നൽകുന്ന ഉപദേശവും രാജാവിനു നൽകുന്ന സന്ദേശവും ക്രോഡീകരിക്കുക

- IV. രണ്ടു പുറത്തിൽ കുറയാതെ ഉത്തരമെഴുതുക (രണ്ടെണ്ണത്തിന്) (2x10=20)**
13. കാളിദാസന്റെ സ്നേഹസങ്കല്പം ശകുന്തളം നാലാം അങ്കത്തെ മുൻനിർത്തി വിലയിരുത്തുക
 14. ആധുനിക ജീവിതത്തിലെ പൊള്ളത്തരം "ബിരിയാണിയിൽ" അവതരിപ്പിച്ചിരിക്കുന്നതെങ്ങിനെ?
 15. ചണ്ഡാലഭിക്ഷുകിയിൽ കവി പ്രകൃതിയെ വർണ്ണിക്കുന്നതെന്തെന്ന് വിവരിക്കുക
- V. മലയാളത്തിലേക്ക് തർജ്ജമ ചെയ്യുക (7)**

16. How many wonderfull doors have science and technology laid open before modern man! Several appliances and instruments that had been unimagivable till recently are available to us now. The internet and TV are some among them which are really double -edged swords. These devices assist or harm people according to the way they use them. Of course, they have opened before us the wide world of knowledge. They introduce us to a new world where knowledge and fun come together.