

(2021 Batch Onwards)

G 501 DC1.2

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II – Degree Examination

May/June -2023

PHYSICS

ELECTRICITY AND MAGNETISM

Time: 2½ hrs.

Max Marks: 60

## SECTION –A

Answer any **FOUR** of the following.

(4x2=8)

1. a) Define electric flux. Give its S.I unit
- b) What is meant by drift velocity?
- c) What is electric current density? Give its expression
- d) What is a filter circuit? Draw the circuit of a RC high pass filter
- e) What are ferromagnetic and paramagnetic materials?
- f) State and explain Lenz's law.

## SECTION – B

Answer any **ONE FULL** question from each unit.

(4x10=40)

## UNIT-I

2. a) Derive the expression for electric potential due to an electric quadrupole (6)
- b) Derive the expression for work done to move a charge. (4)
3. a) Using Gauss law derive the electric field due to a uniformly charged thin spherical shell (6)
- b) State and explain Stoke's theorem. (4)

## UNIT-II

4. a) Obtain the equivalent capacitance of two capacitors connected in i) series and ii) parallel (6)
- b) Derive the equation for energy stored in a capacitor (4)
5. a) Derive the expressions for the growth and decay of charge in a CR circuit and define the time constant of the circuit. (6)
- b) Discuss the growth and decay of current in a LR circuit. (4)

## UNIT-III

6. a) State and prove Ampere's circuital law. (6)
- b) What is Lorentz force? Explain it with expression. (4)
7. a) Discuss how a circular current loop behaves as a magnetic dipole. Also obtain expression for magnetic dipole moment. (6)
- b) Distinguish between series and parallel LCR circuits. (4)

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## UNIT-IV

8. a) Arrive at the differential form of Gauss theorem and show that  $\text{div } \mathbf{B} = 0$  (6)
- b) What are the applications of eddy currents? (4)
9. a) Arrive at differential form of Faraday's law of electromagnetism (6)
- b) Give the Maxwell's relation for refractive index of a medium (4)

## SECTION -C

Answer any **THREE** from the following. (3×4=12)

10. Find curl  $\mathbf{A}$ , if  $\mathbf{A} = 2x^2\mathbf{i} - 3xy\mathbf{j}$  at (1, -1) where  $\mathbf{i}$  and  $\mathbf{j}$  are unit sectors.
11. In an oscillator circuit  $L = 200\text{mH}$  and  $C = 1200\text{pF}$ . What is the maximum value of the resistance for the circuit to be oscillatory?
12. A bar magnet made of steel has a magnetic moment of  $2.5\text{Am}^2$  and a mass of  $6.6 \times 10^{-3}\text{kg}$ . If the density of the steel is  $7.9 \times 10^3\text{kg/m}^3$ , find the intensity of magnetization of the magnet.
13. Calculate the energy stored in the magnetic field for a coil of self-inductance  $0.5\text{H}$  and current of  $200\text{mA}$ .

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

**B.Sc. Semester II – Degree Examination**  
**May/June - 2023**

**CHEMISTRY**

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) State Pauli's exclusion principle.  
 b) What is shielding effect?  
 c) How do you determine electronegativity using Mulliken's Electronegativity Scale?  
 d) What are clathrates? Give an example.  
 e) What is collision number?  
 f) Define parachor.  
 g) Define plane of symmetry.  
 h) Give the effect of temperature on surface tension of liquids.

**PART - B**

Answer any EIGHT of the following in 3 to 5 sentences. (8×3=24)

2. (i) Derive de Broglie equation.  
 (ii) Calculate effective nuclear charge felt by the last  $p$  electron of oxygen (At. No 8)  
 (iii) Write the styx number for  $B_4H_{10}$ .  
 (iv) Compare the standard reduction potentials and reducing properties of alkali metals.  
 (v) Explain how electronegativity influences hybridization.  
 (vi) Explain graphically how the molecular velocities of gases vary with temperature.  
 (vii) Calculate the average velocity of oxygen molecule at  $100^\circ\text{C}$ .  
 (viii) Explain anisotropy in solids.  
 (ix) Give any three applications of liquid crystals.  
 (x) Explain the structure of Zinc blende.

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## PART - C

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

(7×4=28)

3. Derive Schrodinger wave equation for a particle in 3-dimensional motion.
4. Calculate the uncertainty in velocity of an electron if uncertainty in its position is 1 Å. (Given  $m = 9.1 \times 10^{-31}$  kg,  $h = 6.6 \times 10^{-34}$  kg m<sup>2</sup>/s)
5. Explain the structure and bonding in diborane.
6. Discuss the complex formation tendencies of alkali metals with crown ether.
7. Explain Andrew's P-V isotherms of carbon dioxide.
8. Explain the determination of refractive index of a liquid using Abbe's refractometer.
9. Give the principle of determination of viscosity of a liquid.
10. Discuss molecular arrangement of rod-shaped liquid crystals.
11. Derive Bragg's equation for a crystalline solid.

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**St Aloysius College (Autonomous)  
Mangaluru**

**B.Sc. Semester II – Degree Examination  
May/June - 2023**

**MATHEMATICS - II**

**Number Theory –II, Algebra-II, Calculus-II**

Time: 2½ hrs.

Max Marks: 60

**PART-A**

Answer any **SIX** of the following:

(6 x 2 = 12)

1. Calculate  $\phi(1001)$ .
2. If  $p$  is a prime, prove that  $a^p \equiv a \pmod{p}$ .
3. In a group  $G$ , prove that  $(ab)^{-1} = b^{-1}a^{-1}, \forall a, b \in G$ .
4. If  $G$  is a group with identity element  $e$  and  $a^2 = \forall a \in G$ , then show that  $G$  is abelian.
5. Find the domain and range of the function  $f(x, y) = \frac{x}{|y|}$ .
6. Find  $\frac{dz}{dt}$  when  $z = xy^2 + yx^2, x = at^2, y = 2at$ .
7. If the line  $C$  is parametrized by the equation  $x = 3 - 2t$  and  $y = 6 - 7t, 0 \leq t \leq 1$ , then find  $\int (x + y) ds$ .
8. Find the area of the region  $R$  enclosed by the coordinate axes and the line  $x + y = 2$ .

**PART- B**

**UNIT- I**

Answer any **TWO** of the following:

(2x6=12)

1. Prove that the quadratic congruence  $x^2 + 1 \equiv 0 \pmod{p}$ , where  $p$  is an odd prime has a solution if and only if  $p \equiv 1 \pmod{4}$ .
2. a) If  $n > 1, \gcd(a, n) = 1$ , prove that  $a^{\phi(n)} \equiv 1 \pmod{n}$ . (3)  
b) For  $n > 2$ , and  $n$  being a power of 2, prove that  $\phi(n)$  is an even integer. (3)
3. a) Define a continued fraction. (2)  
b) Express  $\frac{-19}{51}$  as a finite continued fraction. (4)

Contd...2

## UNIT- II

Answer any **TWO** of the following: (2x6 =12)

1. a) Prove that in a group, inverse of an element is unique. (3)
- b) Prove that in a group  $G$ ,  $(a^{-1})^{-1} = a, \forall a \in G$ . (3)
2. a) State and prove right cancellation law. (2)
- b) Let  $G$  be a group and  $H$  be a non-empty finite subset of  $G$ . Then (4)  
prove that  $H$  is a subgroup of  $G$  if and only if  $ab^{-1} \in H, \forall a, b \in H$ .
3. a) Prove that every cyclic group is abelian. (2)
- b) Prove that an infinite cyclic group has exactly two generators. (4)

## UNIT- III

Answer any **TWO** of the following: (2x6 =12)

1. State and prove Euler's theorem on homogeneous functions.
2. Let  $f(x, y) = \tan^{-1} \frac{y}{x}$ . Find the slope of the line segment to this surface at the point  $(2, -2)$  and lying in the plane  
(a)  $x = 2$  (b)  $y = -2$ .
3. 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  $y = 9 - x$ .

## UNIT- IV

Answer any **TWO** of the following: (2x6 =12)

1. If the curve is parametrized by the equations  $x = t$  and  $y = t^3, -1 \leq t \leq 2$ , then find  $\int f(x, y) ds$  where  $f(x, y) = 3y$ .
2. a) Find the volume of the solid in the first quadrant bounded (3)  
below by the  $xy$  plane and above by the plane  $z = y$  and laterally by cylinder  $y^2 = x$  and the plane  $x = 1$ .
- b) Find the volume of the solid whose base is the region in the (3)  
 $xy$  -plane that is bounded by the parabola  $y = x^2$  and the line  $y = 2x$ , while the top of the solid is bounded by the plane  $z = 4x + 2$ .
3. Find the volume of the region bounded by the paraboloid  $z = x^2 + y^2$  and below by the triangle enclosed by the lines  $y = x, x = 0$  and  $x + y = 2$  in the  $xy$  plane.

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**St Aloysius College (Autonomous)  
Mangaluru**

**B.Sc. Semester II – Degree Examination  
May/June -2023**

**ELECTRONICS**

**DISCRETE AMPLIFIERS, OPERATIONAL AMPLIFIERS,  
COMBINATIONAL CIRCUITS AND SEQUENTIAL 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) A full adder has \_\_\_\_\_ inputs and \_\_\_\_\_ outputs.  
a)1,2                      b) 2,2                      c)3,2                      d) 3,3
- ii) In a RS flip flop, if S=R=1, then the output state is called \_\_\_\_\_ state.  
a)Toggling                      b) set                      c) reset                      d) prohibited
- iii) The filter which has ripple Pass band and Flat stop band called \_\_\_\_\_ filter  
a) Butterworth                      b)Chebyshev                      c) Cauer                      d) Band stop
- iv) -----Amplifier produces phase inversion.  
a) CE                      b)CB                      c) CC                      d) two stage CE
- v) With negative feedback the voltage gain of an amplifier -----  
a) increases                      b)decreases                      c) does not change                      d) none of these
- vi) The output resistance of a CC amplifier is \_\_\_\_  
a)0                      b) very low                      c) very high                      d) infinite

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

- i) Which logic family has minimum Power dissipation?
- ii) Give the equation for the cutoff frequency of a First order Low pass Butterworth filter.
- iii) Draw the circuit diagram of an inverting Comparator.
- iv) Draw the logic circuit diagram JK flip-flop using logic gates.
- v) Write equation for the voltage gain of an amplifier with negative feedback
- vi) Mention any one advantage of negative feedback.
- vii) Draw the schematic symbol of an operational amplifier
- viii) Draw the block diagram of a voltage series feedback amplifier.

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

- i) Draw the circuit diagram of a HALF SUBTRACTOR.
- ii) What are the disadvantages of RS flipflop?
- iii) Draw the block diagram of a 4 – bit parallel binary adder using Full adder.
- iv) What is a Decoder?
- v) Draw the pin configuration of IC741.

Contd...2

- vi) Mention any four characteristics of an ideal operational amplifier.
- vii) Draw the circuit diagram of a universal bias.
- viii) The input voltage to a CE amplifier is 20mV and its output voltage is 1V. Calculate its voltage gain.

**SECTION – B**

**IV. Answer any FOUR questions.**

**(4x4=16)**

- i) Using Combinational circuit design procedure explain a 3-bit odd parity bit generator.
- ii) Implement the following Boolean expression in to a 4 to 1 Mux  
 $F(A,B,C) = \Sigma(0, 1, 2, 3, 4, 7)$
- 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) Define CMRR of an op-amp. What is its significance? Calculate the CMRR of an op-am in dB, if its common mode gain is 0.01 and differential gain is 100.
- v) Draw the circuit diagram of a fixed bias and obtain the expression for its collector current
- vi) A CE amplifier uses  $R_C = 3k\Omega$  and  $R_L = 3k\Omega$ . Calculate the voltage gain of the amplifier. Given  $h_{ie} = 3k\Omega$  and  $h_{re} = 300$ .

**V. Answer any FOUR questions:**

**(5x4=20)**

- i) With a neat circuit diagram, explain the working of Totem Pole TTL NAND gate.
- ii) Using Combinational circuit design procedure explain a Full adder.
- iii) With a circuit diagram using NAND gates explain RS 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 expression for its voltage gain, current gain and power gain.
- v) Draw the block diagram of a general feedback amplifier and obtain the expression for its closed loop gain
- vi) Draw the circuit diagram of a dual input balanced output differential amplifier using transistors and explain its working.

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**St Aloysius College (Autonomous)****Mangaluru****B.Sc. Semester II – Degree Examination****May /June - 2023****COMPUTER SCIENCE - II****DATA STRUCTURES USING C****Time: 2½ Hours.****Max Marks: 60****PART –A**

1. **Answer any SIX of the following.** (6x2=12)
- Define data structure. Give two examples.
  - Define sorting and merging.
  - Define searching. Name two types of searching techniques.
  - What is free storage list?
  - What is stack? Name the basic operations performed on stack.
  - Expand LIFO and FIFO.
  - Define binary tree. Give an example.
  - What do you mean by internal nodes and external nodes?

**PART –B****Answer any ONE FULL question from each unit 12 marks each. (4x12=48)****UNIT - I**

- Write the classification of data structure and Explain. (6)
  - Explain the representation of two dimensional array in memory. (6)
- Explain selection sort and iteration logic in detail with example. (6)
  - Explain insertion sort with an example. (6)

**UNIT – II**

- Explain binary search with an example. (6)
  - What is linked list? Explain the different types. (6)
- Write an algorithm for searching an item in a linked list. (6)
  - Explain Circular linked list. (6)

**UNIT – III**

- Write an algorithm to convert infix to postfix expression using stack. (6)
  - Evaluate the following postfix expression showing the stack status.  
P: 3, 1, +, 2, ^, 7, 4, -, 2, \*, +, 5, - (6)
- Write an algorithm to evaluate postfix expression using stack (6)
  - Convert the following infix expression into postfix expression using stack status. Q: (A + ( B \* C - ( D / E ^ F ) \* G ) \*H) (6)

**UNIT – IV**

- What are the three standard ways of traversing a tree T with root R. Write steps of each traversal using recursion. (6)
  - Write an algorithm for breadth first search (BFS) for a graph. (6)
- With an example, explain sequential representation of binary tree. (6)
  - Draw the binary tree for the following  
INORDER: E, A, C, K, F, H, D, B, G  
PREORDER: F, A, E, K, C, D, H, G, B (6)

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II – Degree Examination

May/June - 2023

STATISTICS Paper II

Probability and Distributions

Time: 2 ½ Hours.

Max Marks: 60

Note: Answer all parts

## PART – A

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

1. If  $\phi$  is a null event, then prove that  $P(\phi)=0$ .
2. Distinguish between mutually exclusive and independent events.
3. State the conditions to be satisfied by a probability mass function.
4. If  $a$  is any constant then prove that  $E(X/a) = \frac{1}{a}E(X)$ .
5. If  $X \sim HG(5,4,6)$  then what are its mean and variance?
6. Which distribution satisfies the following
  - a) Mean=Variance
  - b) Mean > Variance
7. State any two commands for creating a vector using R ?

## PART – B

II. Answer any **FIVE** of the following: (5x10=50)

8. a) State and prove addition theorem of Probability. (5)
- b) Show that conditional probability satisfies the axioms of probability. (5)
9. a) State and prove Bayes theorem of Inverse Probability. (5)
- b) If  $A$  and  $B$  are independent then prove that their complements are also independent. (5)
10. a) If  $X$  and  $Y$  are independent then prove that  $E(XY)=E(X)E(Y)$  (4)
- b) Let  $X_1, X_2, \dots, X_n$  be  $n$  random variables and  $a_1, a_2, \dots, a_n$  be  $n$  constants. Then
 
$$V\left(\sum_{i=1}^n a_i X_i\right) = \sum_{i=1}^n a_i^2 V(X_i) + 2 \sum_i \sum_j a_i a_j COV(X_i, X_j) ; i \neq j$$
 (6)
11. a) For a vector  $X$  how do you obtain median and standard deviation using R? (5)
- b) Briefly explain with example how do you extract a subset from a vector using R? (5)
12. a) Derive the MGF of Negative Binomial Distribution and hence obtain mean and variance. (5)
- b) State and prove memory less property of Geometric Distribution. (5)
13. Obtain mean and variance of Binomial distribution with parameters  $n$  and  $p$ . (10)
14. Deduce an expression for mode of Poisson Distribution. (10)

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St Aloysius College (Autonomous)

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B.Sc. Semester II- Degree Examination

May/June - 2023

BOTANY

DIVERSITY OF NON-FLOWERING PLANTS

Time: 2 ½ Hours.

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 are akinetes in Nostoc?
- 2) Name any four photosynthetic pigments in Algae.
- 3) Write any two ecological importance of bryophytes.
- 4) What is meant by sporocarp? Where do you find it?
- 5) Define radio carbon dating. Write its significance.
- 6) Give any two salient features of *Rhynia*.
- 7) What are dwarf shoots? Write their function.
- 8) Distinguish protostele from siphonostele.

## SECTION - B

II Answer any SIX of the following.

(6x5=30)

- 1) Explain a) Open pond system  
b) Closed system in cultivation of Algae
- 2) Describe sex organs in *Chara*.
- 3) Explain the morphology of *Riccia* gametophyte
- 4) Draw a neat labelled diagram of sporophyll of *Pteris*
- 5) Describe female cone in *Gnetum*
- 6) Write notes on heterospory and seed habit in pteridophytes.
- 7) Write a note on a) Impressions  
b) Incrustations
- 8) Write special features of Cycadeoidea.

## SECTION - C

III Answer any TWO of the following.

(2x10=20)

- 1) Describe morphology of *Sargassum*. Explain its male and female conceptacles.
- 2) With a neat labelled diagram. Explain the anatomy of *Cycas* leaflet.
- 3) Describe thallus construction and sex organs in *Anthoceros*.
- 4) Explain geological time scale with reference to evolution of plants.

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**St Aloysius College (Autonomous)**  
**Mangaluru**  
**B.Sc. Semester II – Degree Examination**  
**May / June - 2023**  
**ZOOLOGY**  
**BIOCHEMISTRY AND PHYSIOLOGY**

Max Marks: 60

Time: 2½ Hours.

**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****(2X10=20)****I. Answer any TEN of the following.**

- a) Write any two general properties of amino acids.
- b) Name any four classes of enzymes.
- c) What are unsaturated fatty acids? Give two examples.
- d) Give the significance of Kreb's cycle.
- e) Define Transamination.
- f) What is Glycogenolysis? Where does it occur?
- g) Name any four enzymes involved in carbohydrate digestion.
- h) Define Tidal Volume and Residual Volume.
- i) What is ultrafiltration?
- j) What is resting membrane potential?
- k) Write the Characteristics of muscle twitch?
- l) Mention the hormones secreted by Adrenal cortex.

**PART – B****(5X4=20)****II. Answer any FOUR of the following.**

- a) Explain nucleotide catabolism.
- b) Write a note on specificity of enzymes.
- c) Explain biological importance of carbohydrates.
- d) Explain the structure of human heart with a neat labeled diagram.
- e) Write a note on ECG.
- f) Explain briefly the molecular basis of muscle contraction.

**PART – C****(10X2=20)****III. Answer any TWO of the following.**

- a) Give an account on levels of organization in proteins with suitable illustrations.
- b) With the schematic representation, explain ketogenesis.
- c) What is action potential? Explain the propagation of action potential across myelinated nerve fiber with a neat labeled diagram.
- d) With a neat labeled diagram, explain the structure of a nephron.

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

**B.Sc. Semester II– Degree Examination**

**May/June-2023**

**MICROBIOLOGY**

**MICROBIAL BIOCHEMISTRY AND PHYSIOLOGY**

Time: 2½ Hours.

Max Marks: 60

Instructions: Answer PART A AND B AND C

Draw Diagrams wherever necessary.

**PART – A**

1. Define/Answer any TEN of the following: (10×2=20)
- Non polar covalent bond.
  - Heat of vaporization.
  - What are Oligosaccharides? Give an example.
  - Triacylglycerols.
  - Auxotrophs.
  - What are psychrophiles? Give an example.
  - Water activity.
  - Substrate level phosphorylation.
  - Enthalpy.
  - Mention any four energy rich compounds.
  - Anaerobic respiration.
  - Name two species of homolactic acid fermentation bacteria.

**PART – B**

Answer 'a' or 'b' from each unit. (4×5=20)

**UNIT -I**

2. a) Write a note on ionic bonds in biological system. (5)
- OR
- b) Give an account of acids and bases.

**UNIT -II**

3. a) Explain the different types of protein structures. (5)
- OR
- b) Give the classification of vitamins.

**UNIT -III**

4. a) Explain active transport system involved in nutrition uptake. (5)
- OR
- b) What are major nutritional requirement of microorganisms?

**UNIT -IV**

5. a) Derive the equation to calculate standard energy change. (5)
- OR
- b) Illustrate the EMF pathway of glucose oxidation.

**PART – C**

Answer any TWO of the following. (2×10=20)

- Give a detailed account of classification, structure, and function of lipids.
- Describe the various environmental factors that influence growth of bacteria.
- Explain the components of electron transport chain.

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**St Aloysius College (Autonomous)  
Mangaluru**

**B.Sc. Semester II – Degree Examination  
May/June - 2023**

**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. (2×5=10)
- What are ligands? Give an example for a bidentate ligand.
  - Differentiate between colloids and true solutions
  - What are enantiomers? Give one example.
  - Define Porphyrin. Name any two metalloporphyrins.
  - Write any two effects of reactive oxygen species.
  - What is emulsion? Name any one emulsifier.

**PART - B**

Answer any FOUR of the following. (5×4=20)

- Explain the theories of catalysis.
- Write a note on mutarotation.
- Explain the toxicity of mercury and arsenic.
- Give the structure and biological importance of Haemoglobin.
- Discuss the role of Na and Zn in biological system.

**PART - C**

Answer any THREE of the following: (10×3=30)

- Discuss the methods of resolution of racemic mixture.
  - Write a note on ultra filtration.
- Explain the postulates of Werner's theory of co-ordination compounds.
  - Discuss on classification of ligands.
- Give an account on structure and importance of cytochromes in biological system.
- Explain salting in and salting out of proteins.
  - Write a note on geometrical isomerism in fattyacids.

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St Aloysius College (Autonomous)

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B.Sc. Semester II – Degree Examination

May/June -2023

BIOTECHNOLOGY

MICROBIOLOGICAL METHODS AND TECHNIQUES

Max. Marks: 60

Time: 2 ½ Hours

- Note: i) Answer all the questions  
ii) Draw diagrams wherever necessary

## PART - A

(5x2=10)

1. Answer any **FIVE** of the following:
- How are the resolving power and numerical aperture related?
  - What is Retention/Retardation Factor?
  - How is sterilisation different from disinfection?
  - What are the mechanisms of disinfection by alcohol?
  - What are selective culture media? Give one example.
  - What is the function of Safranin in the Gram staining technique?
  - What is the mechanism of action of Amphotericin B?
  - What is the mechanism of action of Acyclovir?

## PART - B

(6x5=30)

- Answer any **SIX** of the following:
- Describe the importance of 16S rDNA sequencing in the phylogenetic analysis of microbes.
  - Explain the principle and applications of centrifuge.
  - What are the different types of filtration? Elaborate on membrane filtration.
  - How ionising and non-ionising radiations are used in sterilisation and disinfection?
  - Write a note on streaking methods.
  - Describe Acid fast staining technique.
  - Explain how the disc diffusion method is used to test antibiotic sensitivity.
  - Write a note on MDR and XDR.

## PART - C

(2x10=20)

- Answer any **TWO** of the following:
- Elaborate on SEM Add a note on its applications.
  - Describe chemical methods of disinfection and sterilisation.
  - Explain different methods of microbial pure culture preservation.
  - What are the different modes of action of antibiotics?

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(2021 Batch onwards)

G 110 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/June - 2023****COMPUTER ANIMATION****PRE PRODUCTION AND 2D ANIMATION**

Time: 2½ hrs.

Max Marks: 60

**PART - A****Answer any FIVE of the following.****(5x2=10)**

1. a) Define is animation.
- b) What are navigation tools?
- c) List out the common uses of pen tool.
- d) What is colors area?
- e) Mention the different types of Symbols in Animate.
- f) What is sub selection tool?

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

2. Explain the planning key of poses.
3. What are computer effects and its use?
4. Explain Pose to Pose animation method.
5. What is the Phenakistoscope? Explain with illustration.
6. Briefly explain about Inking and coloring.

**PART - C****Answer any THREE of the following:****(3x10=30)**

7. Describe the history of animation in detail.
8. Explain early animation devices.
9. Discuss the principles of animation.
10. Explain the scope and growth of animation industry.

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G 513 DC1.2

Reg. No. :

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**St Aloysius College (Autonomous)  
Mangaluru**

**B.Sc.- SEMESTER II - Degree Examination**

May/June - 2023

**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. Define macroeconomics.
2. What is green GDP?
3. Give the meaning of full employment?
4. What is marginal efficiency of capital?
5. Define business cycle.
6. What are stock and flow variables in economics?
7. State the meaning of monetary policy?
8. What is ratchet effect?

**SECTION - B**

**II. Answer any SIX of the following:**

(6×5=30)

9. Write a note on significance of macroeconomics.
10. Write a note on the concept of GDP, GNP, NDP and NNP.
11. Briefly explain the circular flow of income in three sector economy.
12. Write a note on J. B. Say's law of market.
13. Write a note on money market and goods market equilibrium.
14. Explain Hawtrey's theory of trade cycle.
15. Briefly explain the concept of multiplier and accelerator.
16. Write a note on life cycle hypothesis.
17. Write a note on supply side economics.

**SECTION - C**

**III. Answer any TWO of the following:**

(2×10=20)

18. Explain the instruments of monetary policy.
19. Explain the difficulties in measuring national income.
20. Explain Keynes theory of employment.
21. Explain the various phases of business cycle.

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(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/June - 2023****ECONOMICS II (b)****STATISTICS FOR ECONOMICS****Time: 2½ hrs.****Max Marks: 60****Note: Log table and Graph sheet will be provided.****PART - A****I. Answer any FIVE of the following questions:****(5×2=10)**

1. What do you mean by quantitative and qualitative data?
2. Differentiate between Population and Sample.
3. For a frequency distribution, the mean and the median are respectively 28 and 20. Find the Mode.
4. If the S.D. and C.V of a distribution are 30 kg and 25% respectively find the mean.
5. Mention any two merits of Arithmetic mean.
6. Find the geometric mean for the following data 0.01,12,34,67,187
7. The mean height of 25 male workers in a factory is 64 inches and the mean height of 35 female workers in the same factory is 56 inches. Find the combined mean height of 60 workers in the factory.
8. The two regression coefficients are 16 and 64 find r.

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

9. Define Index Number. Explain the steps involve in the construction of an Index number.
10. You are given the following data:

	X	Y
Arithmetic Mean	35	80
Standard Deviation	11	8
Correlation Coefficient between X and Y is	0.66	

  - i) Find the two Regression Equations.
  - ii) Estimate the value of X when Y=65
11. The following data revealed the number of television of a particular modal sold at different shops of a particular locality in Calcutta. Compute 4 yearly moving average.

**Contd...2**

Year	T.V. Sold
1972	580
1973	540
1974	670
1975	680
1976	690
1977	700
1978	612
1979	692
1980	697
1981	620
1982	589
1983	501

12. Calculate Spearman's coefficient of correlation between marks assigned to ten students by judges X and Y in a certain competitive test as shown below:

S.NO	1	2	3	4	5	6	7	8	9	10
Marks by Judge X	52	53	42	60	45	41	37	38	25	27
Marks By Judge Y	65	68	43	38	77	48	35	30	25	50

13. Explain the types of errors in testing of hypothesis.  
 14. One card is drawn from a standard pack of 52. What is the probability that it is either a King or a Queen?  
 15. Calculate Mean Deviation from mean for the following data.

X	10-20	20-30	30-40	40-50	50-60
f	3	12	18	12	3

16. Calculate Fisher's index number from the following data.

Commodity	2005		2015	
	Price	Quantity	Price	Quantity
Rice	9	74	12	82
Wheat	4	125	6	140
Dhal	9	40	10	33

17. Calculate Arithmetic Mean by short cut method

Class Intervals	10-20	20-30	30-40	40-50	50-60
Frequency	5	22	34	14	15

Contd...3

## PART – C

III. Answer any TWO of the following questions.

(2×10=20)

18. Calculate median and mode from the following data.

Marks	No. of Students
0-10	5
10-20	5
20-30	7
30-40	10
40-50	30
50-60	12
60-70	13
70-80	12
80-90	4
90-100	2

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. Goals scored by two teams in a Football match were as follows:

No. of Goals Scored in a Football Match	No. of Football Matches Played	
	Team A	Team B
0	15	20
1	10	10
2	7	5
3	5	4
4	3	2
5	2	1
Total	42	42

Calculate coefficient of variation and state which team is more consistent.

21. Below are given the figures of production of a sugar factory:

Year	2005	2006	2007	2008	2009	2010	2011
Production ('000 qtls)	80	90	92	83	94	99	92

- Fit a straight line trend to these figures.
- Plot these figures on graph and show the trend line.

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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/June-2023****FOOD SCIENCE****FOOD PROCESSING AND PRESERVATION**

Time: 2½Hours

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)
- List out the importance of Food processing.
  - Define Lipids.
  - Mention the types of Heat Transfer.
  - Give a note on Food Irradiation.
  - What is osmotic pressure and how does it work?
  - Define GRAS
  - Explain about PEF.

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

- Write a short note on pasteurization.
- Write short notes on Types of Drying.
- Explain in detail about Curing and Smoking.
- Write a short note on Refrigeration and its application in food industries.
- Explain in detail about Canning processing.
- Explain in detail about High Pressure Processing with diagram
- Explain in detail about Microwave processing with neat diagram.
- Write short notes on Food Fortification.

**PART – C**Answer any **TWO** of the following: (2×10=20)

- Write short notes on Carbohydrates with example.
- Write a short note on Hurdle Technology with neat diagram.
- Explain in detail about Membrane Technology and its application in Food Industries.

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G 701 DC1.2

(2022 Batch Onwards)

Reg. No.

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

**B.Sc.(Visual Communication) Semester II – Degree Examination**  
**May/June - 2023**

**VISUAL DESIGN**

Time: 2½ hrs.

Max Marks: 60

**PART - A**

Write short note in 2 to 3 sentences on any TEN of the following. (10x2=20)

1. Line
2. Space
3. Texture
4. Form
5. Grid
6. Visual hierarchy
7. Calligraphy
8. Typeface
9. Leading
10. Human Centered Design
11. Warm colours
12. Triadic colours

**PART - B**

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

13. Briefly explain the compositional strategies.
14. Briefly explain the copy fitting process.
15. Define a) Hue b) Saturation.
16. Briefly explain UX and UI Design.
17. Briefly explain the functions of design.

**PART - C**

Write a detailed note on any TWO of the following in 150 – 250 words each (2x10=20)

18. Explain the significance of colour in design.
19. Explain type classifications with examples.
20. Schematically explain the principles of design.

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(2022 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/June - 2023****MEDIA LAWS AND ETHICS**

Time: 2½ hrs.

Max Marks: 60

**PART - A**

Write short note in 2 to 3 sentences on any TEN of the following. (10x2=20)

1. Cyber Crime
2. Film Certification
3. Defamation
4. RTI Act
5. Cable TV Act
6. Sensationalism
7. Right to Privacy
8. ASCI
9. Fundamental Duties
10. Reasonable restriction
11. Plagiarism
12. Copyright

**PART - B**

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

13. Explain the types of cyber crime.
14. Write a note on Drama and performance Act.
15. What is Cinematography Act of 1953? Elaborate.
16. What is the law of Obscenity in India? Explain with case study.
17. Explain the law of Contempt of court and its significance.

**PART - C**

Write a detailed note on any TWO of the following in 150 – 250 words each. (2x10=20)

18. Explain IPR Act with special mention of Trademarks and Patent Law.
19. Explain Article 19(1) and 19(1)(a) of the Indian Constitution and how is the freedom being ensured in the Indian Constitution.
20. Write a note on any Eight Directive Principles of State Policy.

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(2022 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/June - 2023**

**PHOTOGRAPHY I**

Time: 2½ hrs.

Max Marks: 60

**PART - A**

**Write short note in 2 to 3 sentences on any TEN of the following. (10x2=20)**

1. The Silver Halide Photography Process
2. Camera Obscura
3. Dark Room Development
4. DSLR Camera
5. Lens shutters
6. Balance in a photograph
7. Nature photography
8. Light meters
9. Rule of thirds
10. Spot and metrics
11. Landscape vs portrait
12. Focus

**PART - B**

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

13. Discuss the importance of visual elements in photography.
14. What are the dos and don'ts of sports photography?
15. Write a note on photojournalism.
16. Discuss the importance of depth-of-field in photography.
17. Discuss the importance of lenses in photography.

**PART – C**

**Write a detailed note on any TWO of the following in 150 – 250 words each (2x10=20)**

18. "A photograph says thousand words"- Explain the statement with example.
19. Write a note on shot composition.
20. Discuss the different types of photography.

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(2021 &amp; 2022 batch)

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 / June - 2023****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. Define Right.

ಹಕ್ಕನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.

2. Expand CEDAW.

ಸಿ.ಇ.ಡಿ.ಎ.ಡಬ್ಲ್ಯು. ಅನ್ನು ವಿಸ್ತರಿಸಿ.

3. Which day is celebrated as Human Rights Day?

ಯಾವ ದಿನವನ್ನು ಮಾನವ ಹಕ್ಕು ದಿನ ಎಂದು ಆಚರಿಸಲಾಗುತ್ತದೆ?

4. Who Founded Amnesty International?

ಅಮ್ಮೆಸ್ಟಿ ಇಂಟರ್‌ನ್ಯಾಶನಲ್ ಅನ್ನು ಸ್ಥಾಪಿಸಿದವರು ಯಾರು?

5. Mention any one fourth-generation, right?

ಯಾವುದಾದರೂ ಒಂದು ನಾಲ್ಕನೇ ಪೀಳಿಗೆಯ ಹಕ್ಕನ್ನು ಉಲ್ಲೇಖಿಸಿ?

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

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 2 -3 ವಾಕ್ಯಗಳಲ್ಲಿ ಬರೆಯಿರಿ.

6. Differentiate Human Rights and Citizenship Rights.

ಮಾನವ ಹಕ್ಕುಗಳು ಮತ್ತು ಪೌರತ್ವ ಹಕ್ಕುಗಳನ್ನು ಪ್ರತ್ಯೇಕಿಸಿ.

7. Write a short note on the rights of Dalits.

ದಲಿತರ ಹಕ್ಕುಗಳ ಬಗ್ಗೆ ಕಿರು 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 role of advocacy groups in protecting Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳನ್ನು ರಕ್ಷಿಸುವಲ್ಲಿ ವಕಾಲತ್ತು ಗುಂಪುಗಳ ಪಾತ್ರವನ್ನು ವಿವರಿಸಿ.

9. Explain the nature of Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳ ಸ್ವರೂಪವನ್ನು ವಿವರಿಸಿ.

**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 human rights enshrined in UDHR.

ಮಾನವ ಹಕ್ಕುಗಳ ವಿಶ್ವವ್ಯಾಪ್ತಿ ಘೋಷಣೆಯಲ್ಲಿ ಪ್ರತಿಪಾದಿಸಲಾದ ಮಾನವ ಹಕ್ಕುಗಳನ್ನು ವಿವರಿಸಿ.

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

ಎನ್.ಎಚ್.ಆರ್.ಸಿ ಯ ಸಂಯೋಜನೆ ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

Contd...2

G 701.2

Page No. 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 four identity statuses of human being.

ಮಾನವನ ನಾಲ್ಕು ಗುರುತಿನ ಸ್ಥಿತಿಗಳನ್ನು ವಿವರಿಸಿ.

13. Write down the safety measures to reduce the risk of contracting STIs.

ಲೈಂಗಿಕವಾಗಿ ಹರಡುವ ರೋಗಗಳ ಹರಡುವಿಕೆಯ ಅಪಾಯವನ್ನು ಕಡಿಮೆ ಮಾಡಲು ಸುರಕ್ಷತಾ ಕ್ರಮಗಳನ್ನು 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. Explain practical ways to control stress.

ಒತ್ತಡವನ್ನು ನಿಯಂತ್ರಿಸುವ ಪ್ರಾಯೋಗಿಕ ವಿಧಾನಗಳನ್ನು ವಿವರಿಸಿ.

15. Explain the effects of Alcoholism.

ಮದ್ಯಪಾನದ ಋಣಾತ್ಮಕ ಪರಿಣಾಮಗಳನ್ನು ವಿವರಿಸಿ.

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(2021 batch onwards)

G 735 LA1.2

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 – Degree Examination**

**May / June - 2023**

**ENGLISH**

Time: 2½ hrs.

Max Marks: 60

**UNIT - I (PROSE)**

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

1. A.G.Gardiner's works were written under the pen name of \_\_\_\_\_.
2. Who was honoured with Ramon Magsaysay Award for community leadership?
3. Which is a leading Moscow football team that gets mentioned in the lesson, 'The Sporting Spirit'?
4. Civil Contracts and defence imports are examples for non-profit sector. TRUE/FALSE
5. Expand FII with reference to the lesson Black Money and the Black Economy.

**B. Answer any THREE of the following in about 150-180 words each.**

**(3x5=15)**

1. What solutions does Aruna Roy recommend to ensure that the disadvantaged sections of the society get a better deal?
2. What are some of the sectors identified by the White Paper that are vulnerable to the generation of black money?
3. How does Gardiner describe the superstitions associated with the number 13?
4. How does Orwell relate sporting spirit to nationalism?

**UNIT - II (POETRY)**

**II Answer any TWO of the following in about 150-180 words each.**

**(2x5=10)**

1. The poem 'Ulysses' examines the contrast between youth and old age. Describe this contrast, quoting lines from the text to support your answer.
2. 'The pity of war, the pity of war distilled.' Write a note on the importance of this line in the context of the poem and Owen's poetry in general.
3. How does the speaker of the poem, 'Afterwards' wish to be remembered by his contemporaries after his death?
4. How can life be lost if you are earning your living? Explain with reference to the poem, 'Don'ts'.

**UNIT - III (SHORT STORY)**

**III Answer any TWO of the following in about 150-180 words each.**

**(2x5=10)**

1. Attempt a character sketch of Skvortsov.
2. Write a note on Lushkov's journey from being in the Russian choir to working at the notary office.
3. What information did Captain Gerilleau gather about the ants during the course of his journey?
4. What did the inspection of the *Santa Rosa* reveal about the dangerous ants?

**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. Between Jason's son and his daughter, his daughter is \_\_\_\_\_ better athlete.
2. \_\_\_\_\_ Mehta's invited their friends and family.
3. \_\_\_\_\_ animals are bred in captivity in the zoo.
4. I hate the fact that \_\_\_\_\_ Mathematics is his favourite subject.
5. Many \_\_\_\_\_ citizen would welcome such a reform.

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

1. With an umbrella \_\_\_\_\_ my head, I was able to protect myself from the midday sun.
2. He was born \_\_\_\_\_ twenty miles of New York.
3. Sharal turned and walked off \_\_\_\_\_ the night.
4. The boy waded \_\_\_\_\_ the water to reach the boat.
5. I didn't realize this essay will count \_\_\_\_\_ my final grade.  
(toward, through, into, around, over, within, above, across)

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

1. She's a doctor. \_\_\_\_\_?
2. I don't need to finish this today.
3. Few people thought about it. \_\_\_\_\_?
4. I'm never on time. \_\_\_\_\_?
5. She completed the assignment a while ago. \_\_\_\_\_?

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

1. To commit a crime.
2. That which cannot be defeated or questioned.
3. Recommendation or active support of an idea.
4. Willingness to believe.
5. Pleasantly smooth and soft.  
(velvety, unassailable, homage, fragile, advocacy, credulity, perpetrate, topography)

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(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 / June - 2023**

**HINDI**

Time: 2½ hrs.

Max Marks: 60

- I किन्हीं दो प्रश्नों का उत्तर लिखिए : (2X5=10)
1. प्रयोजनमूलक हिंदी का महत्व और विशेषताओं को समझाइए।
  2. राजभाषा आयोग के संदर्भ में अपने विचार व्यक्त कीजिए।
  3. 'संपर्क भाषा के रूप में हिंदी' इस विषय पर प्रकाश डालिए।
  4. 'राजभाषा के रूप में हिंदी' पर प्रकाश डालिए।
- II अ) किसी एक प्रश्न का उत्तर लिखिए : (1X5=05)
1. टिप्पण लेखन के लिए आवश्यक विशिष्ट बातों पर प्रकाश डालिए।
  2. विश्व हिंदी साहित्य परिषद् द्वारा आयोजित 'राष्ट्रीय कविगोष्ठी' पर प्रतिवेदन लिखिए।
- आ) निम्नलिखित शब्दों के हिंदी रूप लिखिए : (5X1=05)
1. Fund
  2. Cabinet
  3. Account
  4. Designation
  5. Treasurer
- III एक वाक्य में उत्तर लिखिए : (10X1=10)
1. नील परिधान किसने धारण किया है ?
  2. राम और रावण युद्ध किसका प्रतीक है ?
  3. खरगोश किसकी तरह चिंचाडते थे ?
  4. ग्वालिन किसे बताया गया है ?
  5. कहाँ पर खून टपकता है ?
  6. प्रताप अनाथ आश्रम में कौनसा काम कर रहा था ?
  7. चरणजीत किससे प्यार करता था ?
  8. करण ने किसको श्राप दिया था ?
  9. सिलबट्टे पर भाँग और बादाम कौन पीस रहा था ?
  10. सेवा और समर्पण उपन्यास का लेखक कौन है ?

Contd...2

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

“बरस रहा आलोक दूध है,

खेतों खलिहानों में, जीवन की नव किरण फूटती

मकई के दानों में, सरिताओं में सोम दुह रहा, वह अहिर मतवाला।”

अथवा

“हमारे पास बहुत कम वक्त शेष है

एक गलत भाषा में

गलत बयान देने से

मर जाना बेहतर है

यही हमारी टेक है।”

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

अमित

अथवा

बहादुर

V किसी एक प्रश्न का उत्तर लिखिए : (10X1=10)

1. 'राम की शक्ति पूजा' कविता की प्रासंगिकता एवं कविता में निहित सांस्कृतिक प्रतिमानों पर प्रकाश डालिए।

अथवा

'किस्सा जनतंत्र' कविता का सारांश लिखकर विशेषताओं पर प्रकाश डालिए।

VI किसी एक प्रश्न का उत्तर लिखिए : (10X1=10)

1. पठित उपन्यास 'सेवा और समर्पण' के आधार पर शीर्षक की सार्थकता सिद्ध कीजिए।

अथवा

'समाज सेवा ही सच्ची राष्ट्र सेवा है' पठित उपन्यास के आधार पर इस कथन को सिद्ध कीजिए।

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(2021 batch onwards)

Reg. No.:

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ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)

ಮಂಗಳೂರು

ಬಿ.ಎಸ್ಸಿ - ಎರಡನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

ಮೇ / ಜೂನ್ 2023

ಕನ್ನಡ ಭಾಷಾ ಪತ್ರಿಕೆ - 2

ಅಂಕಗಳು :60

ಸಮಯ : 2½ ಗಂಟೆ

- I ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಮೂರನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ** **7 X 3= 21**
- 1) ಉರಿಸಿಂಗನ ವರ್ತನೆಗಳಿಗೆ ಕಾರಣಗಳೇನು? ಅದನ್ನು ಪರಿಹರಿಸಿದ ರೀತಿಯನ್ನು ವಿಶ್ಲೇಷಿಸಿ
  - 2) ಲಿಂಗ ಅನ್ನದ ಋಣ ತೀರಿಸಿದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ
  - 3) 'ಪ್ರಣಾಳಿಕೆ' ಕವನದ ಆಶಯವನ್ನು ಬರೆಯಿರಿ
  - 4) ಗುಲಾಮಗಿರಿತನವನ್ನು ಕುರಿತ ವಿಡಂಬನೆ 'ಗುಲಾಮರು' ಕವನದಲ್ಲಿ ಹೇಗೆ ಅಭಿವ್ಯಕ್ತಗೊಂಡಿದೆ? ವಿವರಿಸಿ
  - 5) ಸರಕು ಮತ್ತು ಸೇವೆಗಳ ತೆರಿಗೆಯಿಂದ ಆಗುವ ಪ್ರಯೋಜನಗಳು ಯಾವುವು? ವಿವರಿಸಿ
  - 6) ವೈನಾಡಿನ ನರಭಕ್ಷಕ ಕಥೆಯಲ್ಲಿ ಬರುವ ಯೇಗನ ಸಾಹಸದ ಕುರಿತು ಬರೆಯಿರಿ
- II ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಮೂರನ್ನು ಸಂಕ್ಷಿಪ್ತ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ** **3X 3= 09**
- 7) ಶಾಲೆಯ ಇನ್ಸ್‌ಪೆಕ್ಟರರ ಜಲಕ್ರೀಡೆ ಪ್ರಸಂಗವನ್ನು ವಿವರಿಸಿ
  - 8) ಕೃಪಾಕರ ಸೇನಾನಿಯವರ ಬಂಡೀಪುರದ ಕಾಡಿನ ಅನುಭವಗಳನ್ನು ವಿವರಿಸಿ
  - 9) ಮಳೆ ಇಲ್ಲದ ಕೊಡಗಿನ ಪಾಡನ್ನು ಶೋಭಾ ಸುಬ್ಬಯ್ಯ ಅವರ ಕವನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ
  - 10) ಸರಕು ಮತ್ತು ಸೇವಾ ತೆರಿಗೆ ಎಂದರೇನು? ವಿವರಿಸಿ
  - 11) ಸೂರ್ಯನ ಸಂಕಥನವನ್ನು ಬಿ.ಎ. ವಿವೇಕ ರೈ ಯವರು ಲೇಖನದಲ್ಲಿ ಹೇಗೆ ನಿರೂಪಿಸಿದ್ದಾರೆ? ವಿವರಿಸಿ
  - 12) ಲೇಖಕರು ಮತ್ತು ಅವರ ಸ್ನೇಹಿತ 'ಷಾ' ಅವರು ದೆವ್ವದ ಅನ್ವೇಷಣೆಗೆ ತೆರಳಿ ಅನುಭವಿಸಿದ ಪ್ರಸಂಗವನ್ನು ವಿವರಿಸಿ
- III ಒಂದು ಪದ್ಯಭಾಗದ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಪದ್ಯದ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ** **4 X1= 04**
- 13) ಏನಿದಿಂದು ಮಳೆಗಾಳಿಗೂ ತೂಕ ಸಾಲದು  
ಮಕ್ಕಳೆಲ್ಲಾ ಬೆದರಿ ನಡುಗೋ ಗುಡುಗು ಕೇಳದು  
ಈಚಲ ಮರವ ಮುರಿದು ಬಿಡುಡೋ ಮಿಂಚು ಕಾಣದು  
ಸುರಿದು ತನ್ನನೇ ಮರೆತು ಸುರಿದ ಮಳೆಯು ಕಾಣದು
  - 14) ಟ್ಯಾಂಕುಗಳು ಬುಲ್ಡೋಜರ್ ಆಗುತ್ತವೆ  
ತಗ್ಗುದಿನ್ನೆಯ ನೆಲ ಸಮನಾಗುತ್ತದೆ  
ಬಂದೂಕಿನ ಬಾಯಲ್ಲಿ  
ಗುಬ್ಬಿ ಗೂಡು ಕಟ್ಟುತ್ತದೆ  
ಕೆಂಪುದೀಪದ ಕೆಳಗೆ  
ಉದ್ಯಾನವನಗಳೇಳುತ್ತವೆ

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(2021 batch onwards)

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**

**ADDITIONAL ENGLISH  
CROSS CULTURAL TEXTS-II**

Time: 2½ hrs.

May / June - 2023

Max Marks: 60

**UNIT - I (PROSE)**

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

1. How is the theme of the partition reflected in the narrative of 'Toba Tek Singh' by Saadat Hasan Manto?
2. How did Amitav Ghosh present the hellish condition of the Sikhs in the text, 'The Ghosts of Mrs Gandhi?'
3. Critically analyse the representation of the caste system in Kerala as presented by Manu S Pillai in 'Savitri's Revenge.'
4. How did Kush's mother respond after knowing the truth about her son?

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

1. Comment on the religious stigma prevalent in the narrative of the text, 'A Hindu and a Muslim Started Living Together.'
2. Discuss the role of patriarchy in the lives of Namboodiri women citing relevant examples from the text, 'Savitri's Revenge.'

**UNIT - II (NOVEL)**

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

1. What are the main themes in the novel 'Rita Hayworth and Shawshank Redemption?'
2. Hope drives the inmates at Shawshank and gives them the will to live. Comment.

**UNIT - III (POETRY)**

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

1. Courage was mine, and I had mystery,  
Wisdom was mine, and I had mastery,  
To miss the march of this retreating world  
Into vain citadels that are not walled
2. You may shoot me with your words,  
You may cut me with your eyes,  
You may kill me with your hatefulness,  
But still, like air, I rise.

Contd...2



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- IV ಎರಡು ಪದ್ಯ ಸಾಲುಗಳ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಸಾಲಿನ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ 2X2= 04
- 15) ನಾಲಗೆ ಚಾಚಿ ನಿಂತ ಸೊಣಗಗಳು ನಾವು  
 16) ನನ್ನ ನನ್ನವರ ನೆರಕರಯ ಕ್ಷೇಮ ವಿಚಾರಿಸಿದಳು  
 17) ಭೂಗೋಳದ ತುಂಬೆಲ್ಲ ಶಾಂತಿಯ ಬೀಜ ಬಿತ್ತುತ್ತೇವೆ  
 18) ಮದವೇರಿ ಮರೆಯದಿರಿ ಪಾಡಿ ಇಗ್ಗುತ್ತವನ
- V ಅ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ 3X2= 06
- 19) ಸುಬ್ಬಣ್ಣ ಗೌಡ  
 20) ಗೊರವನ ಗುಂಡಿ  
 21) ಜಿ.ಎಸ್. ಶಿವರುದ್ರಪ್ಪ  
 22) ಜಯಂತ ಕಾಯ್ಕಿಣಿ
- ಆ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ 3X2= 06
- 23) ಕೃಪಾಕರ ಸೇನಾನಿಯವರ ಮರಗಪ್ಪೆಯ ನೆನಪು  
 24) ಜಿ.ಎಸ್.ಟಿ. ಮಂಡಳಿ  
 25) ಪೂರ್ಣಚಂದ್ರ ತೇಜಸ್ವಿ  
 26) ಮಾಯಾಮೃಗ ಕಥೆಯಲ್ಲಿ ಬರುವ ನಾಯಿಯ ಪಾತ್ರ
- VI ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ 1X10= 10
- 27) ಕುವೆಂಪು ಅವರಿಗೆ ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ದೊರತ ಕೃತಿ ಯಾವುದು?  
 28) ಪಯಸ್ವಿನೀ ನದಿ ಯಾವ ಪ್ರದೇಶದಲ್ಲಿ ಹುಟ್ಟುತ್ತದೆ?  
 29) ಜಿ.ಎಸ್.ಶಿವರುದ್ರಪ್ಪ ಅವರ ಪೂರ್ಣ ಹೆಸರೇನು?  
 30) ರಂಜಾನ್ ದರ್ಗಾ ಅವರ ಒಂದು ಕೃತಿಯನ್ನು ಹೆಸರಿಸಿ  
 31) 'ಅಕ್ಕರ ಮನೆ' ಕೃತಿಯ ಲೇಖಕರು ಯಾರು?  
 32) 'ಹುತ್ತರಿ ಹಬ್ಬ'ವನ್ನು ಎಲ್ಲಿ ಆಚರಿಸುತ್ತಾರೆ?  
 33) ಸರಕು ಮತ್ತು ಸೇವೆಗಳ ತೆರಿಗೆ (ಜಿ.ಎಸ್.ಟಿ) ಯಾವ ವರ್ಷ ಜಾರಿಗೆ ಬಂತು?  
 34) ಪ್ರಾಚೀನ ಈಜಿಪ್ಟಿನಲ್ಲಿ ಸೂರ್ಯನನ್ನು ಏನೆಂದು ಕರೆಯುತ್ತಾರೆ?  
 35) ಕೃಪಾಕರ ಸೇನಾನಿಯವರ ಯಾವ ಸಾಕ್ಷ್ಯಚಿತ್ರಕ್ಕೆ ಗ್ರೀನ್ ಆಸ್ಕರ್ ಪ್ರಶಸ್ತಿ ಬಂದಿದೆ?  
 36) 'ಗೊರವ' ಪದದ ಅರ್ಥ ಏನು?

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(2022 batch onwards)

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

**B.Sc. Semester II – Degree Examination**  
**May / June - 2023**

**SANSKRIT**

Time: 2½ hrs.

Max Marks: 60

- 1 द्वौ अनुवादं कृत्वा विवृणुत । 2 x 5 = 10
- 1.1 संक्षेपात् कथ्यते धर्मः जनाः! किं विस्तरेण वः ।  
परोपकारः पुण्याय पापाय परपीडनम् ॥
- 1.2 स हि गगनविहारी कल्मषध्वंसकारी दशशतकरधारी ज्योतिषां मध्यचारी ।  
विधुरपि विधियोगात् ग्रस्यते राहुणासौ लिखितमपि ललाटे प्रोज्झितुं कः समर्थः ॥
- 1.3 अहिंसापूर्वको धर्मः यस्मात् सद्भिः उदाहृतः ।  
यूक-मत्कुण-दंशादीन् तस्मात् तानपि रक्षयेत् ॥
- 1.4 नदीनां शस्त्रपाणीनां नखीनां शृङ्गिणां तथा ।  
विश्वासः नैव कर्तव्यः तेषु राजकुलेषु च ॥
- 2 त्रीन् कर्णाटकभाषया आङ्ग्लभाषया वा प्रबन्धात्मकमुत्तरं लिखत । 3 x 5 = 15
- 2.1 अतिलोभो विनाशाय पाठमधिकृत्य लिखत ।
- 2.2 सगरकथा पाठास्य सारं लिखत ।
- 2.3 न्यायवादि बिडालः पाठमधिकृत्य लिखत ।
- 2.4 नहुषोपाख्यानम् पाठास्य सारं लिखत ।
- 2.5 आचार्यानुशासनम् पाठोक्त जीवनमौल्यानि लिखत ।
- 3 द्वौ कर्णाटकभाषया आङ्ग्लभाषया वा टिप्पणीं लिखत । 2 x 4 = 08
- 3.1 नहुषः ।
- 3.2 पञ्चतन्त्रम् ।
- 3.3 हितोपदेशः ।
- 4 त्रीन् सप्रसङ्गं विवृणुत । 3 x 4 = 12
- 4.1 स्वाध्यायप्रवचनाभ्यां न प्रमदितव्यम् ।
- 4.2 आयुषः पुत्रं नहुषं नाम देवराज्ये अभिषिषिचुः ।
- 4.3 कथं मारात्मके त्वयि विश्वासः ।
- 4.4 अस्ति मम किञ्चित् व्रतं अपर्यवसितम् ।
- 4.5 आत्मवत् सर्वभूतेषु यः पश्यति स पण्डितः ।
- 5 संस्कृतभाषया टिप्पणीं लिखत । 1 x 5 = 05
- 5.1 महाभारतम् ।
- 5.2 उपनिषद् ।
- 5.3 पञ्चतन्त्रम् ।

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6

व्याकरणम् ।

10 x 1 = 10

रिक्तस्थानानि पूरयत् ।

- 6.1 यथा प्रकृत्या ----- गवां पयः । (मधुरम्, कटुः, लवणम्)  
 6.2 दानधर्मादिकं ----- भवान् । (चरतु, चरित्वा, चरितम्)  
 6.3 सत्यं ----- । धर्मं चर । (वदन्ति, वदत, वद)  
 6.4 व्याघ्रः हस्तं प्रसार्य ----- । (दर्शितम्, दर्श, दर्शयति)  
 6.5 ब्रह्म च उत्सादनं ----- । (जगाम, जग्मुः, जगत)  
 6.6 देशे काले च पात्रे च तद्दानं ----- विदुः । (सात्त्विकम्, राजसम्, तामसम्)

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 ।

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(2021 Batch onwards)

G 739.LA 8.2

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/June - 2023

KONKANI

Time: 2 ½ Hours

Max. Marks: 60

ಕವನಾಂ- ಯುನಿಟ್ ೧

I ಖಂಚಾಯ್ ಎಕಾ ಕವನಾಚೊ ಸಾರಾಂಶ್ ಬರಯಾ :

(5×1=5)

೧. ಸಾಕಾಳಿಂ ಉದೆಂತಿಕ್ ಸಾಂಜೆರ್ ಅಸ್ತಮ್ತಿಕ

ಸದಾಂಯ್ ತುಂ ಉಬ್ರಾಯ್

ಜಾಂವ್ಕ್ ಪುರೊ ತಾಂಬ್ಲೆಂ ಭಳ್

ಮ್ಹಾಕಾ ಲಿಪೊನ್ ಖಾತಾಯ್.

೨. ಬಾಬಾ ಬಾಯೆ ಸೊಡಾತ್ ಮ್ಹಾಕಾ

ಕಾನಾಂಕ್ ಮ್ಹಜ್ಯಾ ಧರೂಂ ನಾಕಾ

ದೆವಾ, ತುವೆಂ ಕಾನ್ ದಿಲೆ

ಸೊಸುನ್ ವ್ಹರ್ಚೆಂ ತ್ರಾಣ್ ದೀ.

II. ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ :

(1×5=5)

೧. "ಸುಕ್ಲ್ಯಾ ಪಿಲಾಂ " ಕವನಾಚಿ ಕವಿ ಕೋಣ್?

೨. ಕೊಣಾಕ್ ಕೇಂದ್ರ ಸಾಹಿತ್ಯ ಪ್ರಶಸ್ತಿ ಲಾಭ್ಲಾ ?

೩. "ಕಿರಾ ಬೋಂಚ್ " ಕವಿತಾ ಜಮ್ಯಾಕ್ ಫಾವೊ ಜಾಲ್ಲಿ ಪ್ರಶಸ್ತಿ ಖಂಚಿ ?

೪. "ಪಿತುಳ್ " ನಾಟಕ್ ಕೊಣ್ ಬರಯಿಲ್ಲೊ ?

೫. ಪಂಚ್ಯಾದಾಯಿ ಮಹಿನ್ಯಾಳ್ಯಾಚೊ ಸ್ಥಾಪಕ್ ಕೋಣ್?

III ಖಂಚಾಯ್ ಎಕಾ ಸವಾಲಾಕ್ ಜಾಪ್ ಬರಯಾ :

(5×1=5)

೧. ಕವಿ ಇಜ್ಯೊಲಾಚೆ ವಾಟ್ಲೆ ಮುಖಾಂತ್ಯ ಕಿತೆಂ ಸಾಮಾಜಿಕ್ ಚಿತ್ರಣ್ ದಿತಾ?

೨. ಕೊಂಕ್ಣಿ ಭಾಸ್ ಗೋಡಿ ಆನಿ ಹೋಡಿ ಮ್ಹಣ್, ಕವಿ ಕಶೆಂ ವಿವರ್ಸಿತಾ?

ಗಡ್ಯ ಭಾಗ್ ಯುನಿಟ್ -೨

I ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ :

(1×5=5)

೧. "ಕೊಂಗ್ - ಕೊನಾ - ಪುಲೊ " ಮ್ಹಣ್ ಕೊಣೆಂ ಆಪಯ್ಲೆಂ ?

೨. ಕಲ್ಪಣಾ ಚ್ಯಾ ರಾಜ ತರಂಗಿಣಿಂತ್, ಕೊಣಾಚೊ ಉಲ್ಲೇಖ್ ಆಸಾ ?

೩. ದೋತ್ರೀನಾ ಕ್ರಿಸ್ತಿಯಾನಾ ಚೊ ಬರಯ್ಲಾರ್ ಕೋಣ್ ?

೪. ಕೊಂಕ್ಣಿ ಕ್ರಿಸ್ತಾಂವ್ ಸಾಹಿತ್ಯಾಚೊ ಬಾಪಯ್ ಮ್ಹಣ್ ನಾಂವಾಡ್ಲೊ ಕೋಣ್ ?

೫. ಕೊಂಕ್ಣಿ ಭಾಷೆಂತ್ಲೆಂ ಪಯ್ಲೆಂ ವ್ಯಾಕರಣ್ ಖಂಚೆಂ ?

Contd...2

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II. ಖಂಚಾಯ್ ಎಕಾಚಿ ಪರಿಚಯ್ ದಿಯಾ:

(5×1=5)

೧. ಸಪ್ತ ಕೊಂಕಣಾ
೨. ಫಾ. ತೊಮಾಸ್ ಸ್ಪೀವನ್ಸ್

III ಖಂಚಾಯ್ ಎಕಾ ಸವಾಲಾಕ್ ಜಾಪ್ ಬರಯಾ:

(5×1=5)

೧. ಕೊಂಕಣ್ ಪ್ರದೇಶಾಚೆ ಉಲ್ಲೇಖ್ ಕರಾ.
೨. ಕೊಂಕಣಿ ಸಾಹಿತ್ಯಾ ಖಾತಿರ್ ಜೆಜ್ಜಿತಾಂಚೊ ವಾವ್ರ್ ಕಳಯಾ.

ಯುನಿಟ್ -೩ ವ್ಯಕ್ತಿ ಪರಿಚಯ್

I ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ :

(5×1=5)

೧. ಶೆಣೆಯ್ ಗೊಂಯ್ ಬಾಬಾಚೆಂ ಜನನ್ ಕೆನ್ನಾಂ ಜಾಲೆಂ?
೨. ಖಂಚೊ ಪುಸ್ತಕ್ ವಾಚುನ್ ಶೆಣೆಯ್ ಗೊಂಯ್ ಬಾಬ್ ಪ್ರಭಾವಿತ್ ಜಾಲೊ?
೩. ಹೈ ಸ್ಕೂಲ್ ಶಿಕ್ಷಾನ್ ಶೆಣೆಯ್ ಗೊಂಯ್ ಬಾಬಾನ್ ಬರಯಿಲ್ಲೊ ನಾಟಕ್ ಖಂಚೊ?
೪. ಬಾಪ್ ಮಾಘೆಯಿ ಚೆಂ ಪೂರ್ಣ್ ನಾಂವ್ ಕಿತೆಂ ?
೫. ಬಾಪ್ ಮಾಘೆಯಿಚ್ಯಾ ವ್ಯಾಕರಣ್ ಪುಸ್ತಕಾಚೆಂ ನಾಂವ್ ಕಿತೆಂ ?

II ಹ್ಯಾ ಸವಾಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ :

(5×2=10)

೧. ಬಾಪ್ ಮಾಘೆಯಿಚಿ ವ್ಹಳಕ್ ಕರುನ್ ದಿಯಾ.
೨. ಶೆಣೆಯ್ ಗೊಂಯ್ ಬಾಬಾಚ್ಯಾ ಸಾಹಿತಿಕ್ ವಾವ್ರಾಚಿ ವ್ಹಳಕ್ ದಿಯಾ.

ಯುನಿಟ್ ೪ - ವ್ಯಾಕರಣ್

I ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ :

(5×1=5)

೧. ವಿಶೇಷಣ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?
೨. ಕೊಂಕ್ಣೆಂತ್ ಕಿತ್ಲೆ ಕಾಳ್ ಆಸಾತ್?
೩. ಕ್ರಿಯಾ ವಿಶೇಷಣ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?
೪. ಕ್ರಿಯಾವಿಶೇಷಣಾಕ್ ಉದಾಹರಣ್ ದಿಯಾ.
೫. " ಫೆಸ್ತ ಸಂಭ್ರಮಾನ್ ಆಚರಣ್ ಕೆಲೆಂ " ಹಾಚೊ ಕಾಳ್ ಕಳಯಾ

II ಹ್ಯಾ ಸವಾಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ:

(5×2=10)

೧. ಧಾತು ಆನಿ ತಾಚೆ ಪ್ರಕಾರ್ ಉದಾಹರಣಾಂ ಸಂಗಿ ಬರಯಾ.
೨. ಕೊಂಕ್ಣೆಚೆ ಕಾಳ್ ಉದಾಹರಣಾಂ ಸಂಗಿ ಕಳಯಾ.

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

1. Decode the symbols and imagery presented in the poem 'The Rains of Castamere' concerning its source text originating in the 'Game of Thrones'.
2. In the poem 'Still I rise' the poet Maya Angelou asserts on the idea of dignity and autonomy of the self. Elaborate with instances from the poem.
3. Wilfred Owen uses poetry to mimic the horrors of the battlefield. Elucidate.

**UNIT – IV (Grammar and Writing Skills)**

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

**(5x1=5)**

1. A person pretending to be somebody he is not. (Magician/Rogue/Liar/Imposter)
2. Government by nobility. (Meritocracy/Aristocracy/Monarchy/Patriarchy)
3. One's former school or college. (Academy/Alumni/Alumnus/Alma Mater)
4. To slap with a flat object. (Chop/Hew/Gnaw/Swat)
5. A speech to oneself when alone. (Soliloquy/Monologue/Mono-act/ Dialogue)

**B. Identify the word that collocates with the word in bold:**

**(5x1=5)**

1. **Serene:** salt, sight, smell
2. **Venomous:** mouth, teeth, fangs
3. **Able:** bodied, war, tabled
4. **Heavy:** sip, cry, rain
5. **Scenic:** view, picture, visual

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

**(1x5=5)**

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(2021 Batch onwards)

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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 /June - 2023**

**FRENCH**

Time: 2½ hrs.

Max Marks: 60

## I. Répondez aux questions:

(1 x 10=10)

1. Qui devient le roi ou la reine quand on mange de la galette des rois?
2. Quelle ville organise-t-elle la nuit blanche?
3. Abel Mutai n'a pas gagné l'épreuve de cross-country. Vrai ou faux?
4. Qui est Patrick.H?
5. Expliquez le programme La grande librairie.
6. Écrivez deux journaux nationaux en France?
7. Combien de personnes ont visité l'exposition du peintre américain?
8. Qu'est-ce que c'est Le Foie gras?
9. Quels prix sont récompensés pour les meilleurs romans francophones?
10. Qui a signé un contrat de 18 millions d'euros?
11. Quelle est la signification du 11 novembre.

## II. Répondez aux DEUX questions en 6 ou 7 lignes

(5 x 2=10)

1. Comment les français s'informent ?
2. Expliquez le système éducatif en France.
3. Décrivez la ville de Paris.

## III. Employez le pronom COD ou COI

(1 x 5=5)

1. Est-ce qu'elle voit les enfants? Oui, \_\_\_\_\_
2. Va-t-il expliquer à son ami? Oui, \_\_\_\_\_
3. Est-ce que Clotilde a acheté le cadeau? Oui, \_\_\_\_\_
4. Avez - vous recommandé ce film? Non, \_\_\_\_\_
5. Daniel écrira à ses parents? Oui, \_\_\_\_\_

## IV. Mettez les verbes au temps indiqué:

(1 x 5=5)

1. Je \_\_\_\_\_ (découvrir- présent) les nouveaux pays.
2. Clara \_\_\_\_\_ (devenir - passé composé) professeur de mathématiques.
3. Nos amis \_\_\_\_\_ (aller- futur) à Nice le mois prochain.
4. Quand tu \_\_\_\_\_ (être- imparfait) petite, nous jouions beaucoup.
5. Je \_\_\_\_\_ (avoir- passé composé) malade samedi dernier.

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

(1 x 5=5)

1. J'aime les activités culturelles \_\_\_\_\_ la ville offre.
2. Cela concerne tous les habitants \_\_\_\_\_ profitent des avantages de la ville.
3. Paris est la ville \_\_\_\_\_ j'ai rencontré ma femme.
4. Le fait \_\_\_\_\_ tu sois riche ne me dérange pas.
5. C'est un supermarché \_\_\_\_\_ on trouve des produits biologiques.

Contd...2

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Page No. 2

**VI. Complétez le texte avec les mots proposés:**

(1 x 5=5)

*(occasion, œufs, majorité, impatience, reçoivent)*

La \_\_\_\_\_ des Français fête Pâques et considère cette date comme une \_\_\_\_\_ de se retrouver en famille pour partager un bon repas. Les enfants aussi attendent avec \_\_\_\_\_ cette échéance : ils \_\_\_\_\_ en général des petits cadeaux et des chocolats. Ces chocolats, coulés en forme d'\_\_\_\_\_, de lapins et de poules, sont souvent dispersés dans le jardin pour être retrouvés par les plus jeunes : c'est la « chasse aux œufs ».

**VII. Lisez le texte et répondez aux questions:**

Je m'appelle Peter. Aujourd'hui, je vais vous parler de mes hobbies.

En fait, il y a beaucoup de choses que j'aime faire dans la vie. Comme beaucoup de personnes, je passe beaucoup de temps à regarder des séries. En ce moment, je regarde un épisode par jour de « Dix Pour Cent ». C'est une série française que je trouve vraiment drôle.

Sinon, je suis passionné par l'astronomie depuis que je suis tout petit. Je n'ai jamais fait d'études d'astronomie, mais je suis un vrai geek. J'apprends tout en autodidacte. Je regarde souvent des documentaires scientifiques sur l'espace et l'univers.

J'aime aussi écouter de la musique. La musique que j'écoute le plus souvent est le blues. Mais j'aime bien tous les types de musiques, sauf le reggae. Enfin, ce n'est pas que je n'aime pas le Reggae. C'est juste que je n'arrive pas à écouter du reggae plus de 30 minutes. Sinon, j'écoute du jazz manouche, du rock, du hard rock et de la musique classique. J'aime aussi tout particulièrement la musique des années 60.

Je ne joue pas d'instrument de musique, je me contente de l'écouter. Mais plus tard, j'aimerais bien jouer de la basse.

Récemment, je me suis découvert une passion pour les bandes dessinées. J'ai toute une collection. Je suis en ce moment en train de lire « Black Sad », une bande dessinée espagnole. Je ne trouve pas les histoires très intéressantes, mais les dessins sont incroyables. J'aimerais bien savoir aussi bien dessiner.

Je crois que c'est à peu près tout. Et vous, quelles sont vos passions ?

**A) Répondez aux questions:**

(1 x 7= 7)

1. Quelle série regarde Peter en ce moment ?
2. Qu'est-ce qui passionne Peter depuis qu'il est tout petit ?
3. Quelle musique écoute le plus souvent Peter ?
4. Est-ce que Peter joue un instrument de musique ?
5. De quoi Peter est passionné récemment ?
6. Pourquoi Peter aime Black Sad ?
7. Quel est le contraire de drôle? ( Heureux, triste, jolie)

**B) Dites Vrai ou Faux:**

(1 x 3= 3)

1. Il regarde deux épisodes par jour.
2. Peter ne regarde jamais les documentaires scientifiques.
3. Peter aime aussi la musique des années 60.

**VIII. Dialogue**

(5x 1=5)

1. Invitez un ami pour la festival de musique  
OU
2. Au magasin des chaussures

**IX. Vous cherchez du travail en France. Rédigez votre CV.**

(5)

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(2021 Batch onwards)

G 751 LA5.2

Reg. No.

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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 - 2023  
MALAYALAM**

Time: 2½ hrs.

Max Marks: 60  
(5x1=5)

**I.** ഒന്നോ രണ്ടോ വാക്യത്തിൽ ഉത്തരമെഴുതുക

1. തന്റെ സമീപത്തിരിക്കുന്ന പരുന്തിനെ കുരുവി ഭയപ്പെടാതിരുന്നതെന്തുകൊണ്ട് ?
2. ദുർവ്യാസ്സാവ് കോപിക്കാനിടയായ സാഹചര്യമെന്ത്?
3. ലാൽമാത്തിയ ജാർഖണ്ഡിലാണെന്നു കേട്ടപ്പോൾ ഗോപാൽയാദവിന്റെ പ്രതികരണമെന്തായിരുന്നു ?
4. കാളിദാസന്റെ പ്രധാന കൃതികൾ ഏതൊക്കെ ?
5. പിതാവ് മകനെക്കുറിച്ച് ഓർത്തെടുക്കുന്നതെന്തൊക്കെ ?

**II.** സന്ദർഭവും സാരസ്യവും വ്യക്തമാക്കുക (മൂന്നെണ്ണത്തിന്)

(3x4=12)

6. "ജാതി ചോദിക്കുന്നില്ല ഞാൻ സോദരി,  
ചോദിക്കുന്നു നീർ നാവുവരണ്ടഹോ!
7. ആരാണ് മുല്ലക്ക് കാഞ്ഞവെള്ളമൊഴിക്കുന്നത്...
8. അവനെ വളർത്തിയത് അങ്ങിനെയായിരുന്നല്ലോ. അവനോട്  
എന്നും പെരുമാറിയത് അങ്ങിനെയായിരുന്നല്ലോ
9. മുല്ല പൂത്തപ്പോലെ ആ നാട് ഇടീന് മണത്തു.ആ വാസന ഇപ്പളും  
എന്റെ മുക്കീന് പോയിട്ടില്ലടോ..

**III.** ഒരു പുറത്തിൽ കുറയാതെ ഉത്തരമെഴുതുക ( രണ്ടെണ്ണത്തിന് )

(2x8=16)

10. അനസൂയ പ്രിയംവദമാരുടെ സംഭാഷണം നാലാം അങ്കത്തെ ആസൂദമാക്കി സംഗ്രഹിക്കുക
11. സിനാൻ എന്ന യുവാവിനെ കഥാകൃത്ത് കഥയിൽ അവതരിപ്പിച്ചിരിക്കുന്നതെപ്രകാരം ?
12. ചണ്ഡാലസ്ത്രീയുടെയും ഭിക്ഷുവിന്റെയും സമാഗമം കാവ്യത്തിൽ  
അവതരിപ്പിച്ചിരിക്കുന്നതെങ്ങിനെ ?

**IV.** രണ്ടു പുറത്തിൽ കുറയാതെ ഉത്തരമെഴുതുക (രണ്ടെണ്ണത്തിന് )

(2x10= 20)

13. മകന്റെ പൂർവ്വകാലത്തെക്കുറിച്ചുള്ള സ്മരണകൾ പിതാവിന്റെ മനസ്സിലുണ്ടാക്കിയ ചിന്തകൾ എന്തെല്ലാം?
14. പ്രകൃതിയിലെ ചരാചരങ്ങൾക്കും കാളിദാസൻ തന്റെ നാടകത്തിൽ ഒരു പ്രധാന സ്ഥാനം നൽകിയിട്ടുണ്ടെന്ന് ശകുന്തളം നാലാം അങ്കത്തെ മുൻനിർത്തി വിലയിരുത്തുക
15. മനുഷ്യന്റെ സംസ്കാരം ജാതിക്കതീതമാകണമെന്ന ആശയം ആനന്ദഭിക്ഷുവിൽകൂടി കവി വിശദമാക്കുന്നതെപ്രകാരം?

**V.** മലയാളത്തിലേക്ക് തർജ്ജമ ചെയ്യുക

(7)

16. The "Balanced Diet" is a diet that contains all of the necessary ingredients in nearly the required quantity. A balanced diet is one that contributes to the maintenance or improvement of overall health. We should eat a well-balanced diet that includes liquids, adequate proteins, essential fatty acids, vitamins, minerals, and calories. To maintain a healthy body, we must eat fresh fruits, salad, green leafy vegetables, milk, egg, yoghurt, and so on a regular basis. We need iron, calcium, sodium, potassium, and trace amounts of iodine, copper, and other minerals. Milk is possibly the only single item that can be considered a balanced diet in and of itself.

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