

(2021 Batch Onwards)

G 501 DC1.3

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**St Aloysius College (Autonomous)**

**Mangaluru**

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

**November - 2024**

**PHYSICS**

**WAVES AND OPTICS**

Time: 2½ hrs.

Max Marks: 60

**SECTION – A**

Answer any **FOUR** of the following.

(4x2=8)

1. a) What is resonance? Give one example.
- b) What is simple harmonic motion? Write the expression for SHM.
- c) Define emission and absorption coefficient in acoustics.
- d) What are nodes and anti-nodes?
- e) What is the phenomenon of reflection in thin films, and how does it differ from reflection at a single interface?
- f) How does a Michelson interferometer measure the wavelength of monochromatic light?

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**SECTION – B**

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

(4x10=40)

**UNIT-I**

- 2.a) Derive an expression for Kinetic energy and potential energy of a progressive wave. (6)
- b) Mention the characteristics of wave motion. (4)
- 3.a) State Fourier theorem and obtain the expression for Fourier coefficient. (6)
- b) Write a note on free, damped and force oscillations. (4)

**UNIT-II**

- 4.a) What are transverse waves? Obtain an expression for the frequency of vibration of a stretched string fixed at both ends. (6)
- b) Describe the normal modes of vibration in open end pipe. (4)
- 5.a) Derive the expression for the frequency of a Helmholtz resonator. (6)
- b) What are the factors affecting acoustics in buildings. (4)

**UNIT-III**

- 6.a) Discuss the practical applications of interference by thin films in optics and technology. Provide examples of devices and phenomena that rely on this interference, such as anti-reflective coatings and oil slicks. (6)
- b) Compare and contrast Huygens' wave theory with the corpuscular theory of light when explaining the phenomena of reflection and refraction. (4)
- 7.a) Explain how Huygens' principle is applied to understand the law of reflection. Use Huygens' construction to illustrate the reflection of a wavefront at an angle of incidence. (6)

Contd...2

- b) With neat diagram explain the principle behind Michelson's method for determining the speed of light. (4)

**UNIT-IV**

- 8.a) How do zone plates behave in terms of light absorption and efficiency, and how can these factors be optimized for specific applications? (6)
- b) Describe the effect of double refraction on the polarization state of incident light. How does it create two distinct polarization directions in the refracted beams? (4)
- 9.a) Discuss analytically the production of different types of polarized light. (6)
- b) Compare and contrast the functionality and uses of a half-wave plate and a polarizer. In what scenarios would you choose one over the other? (4)

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

10. Calculate the velocity of sound in air at 27°C given that molecular weight of air is  $28.8 \times 10^{-3}$  kg/mole,  $\gamma$  of air = 1.4 and  $R = 8.31$  J/mol/K
11. Given a metal string with a tension of 88.2N, a length of 50cm and a mass of 0.500g. Calculate the frequencies of its fundamental mode and first overtone.
12. A plane transmission grating having  $6 \times 10^5$  lines/metre is used to obtain a spectrum of light from a sodium lamp in the second order. Calculate the angular separation between the two sodium lines whose wavelengths are 589 nm and 589.6 nm respectively for normal incidence.
13. Calculate the thickness of a double refracting plate capable of producing a path difference of  $\lambda/4$  between the extraordinary and ordinary rays. Given wavelength  $\lambda = 589$  nm.

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**B.Sc. Semester III – Degree Examination  
November - 2024**

**CHEMISTRY - III  
Analytical And Organic Chemistry - II**

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.

(1×8=8)

- 1.a) Name any one fuel and oxidant used in flame photometry.
- b) Name the type of light used in Turbidometric Measurement.
- c) Write the Van Deemter Equation.
- d) What is extraction efficiency?
- e) What is Beckmann rearrangement reaction?
- f) Among the tertiary and primary free radical which is more stable. Give reason.
- g) What are optical isomers?
- h) Write the Fischer projection formula for D-lactic acid.

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**PART - B**

Answer any EIGHT of the following questions.

(3×8=24)

- 2.(i) State Beer-Lambert's law. Give its mathematical expression.
- (ii) Discuss the advantages and disadvantages of laminar flow burner.
- (iii) Summarize Partition Chromatography.
- (iv) Distinguish between cation exchange resin and anion exchange resin.
- (v) Describe the method to draw a calibration curve for flame photometry.
- (vi) Explain why the determination of reaction kinetics is essential for understanding reaction mechanisms.
- (vii) Explain Dienone-Phenol rearrangement reaction.
- (viii) Define free radicals. Explain Sandmeyer reaction.
- (ix) Write a note on eclipsed and skew conformations of ethane.
- (x) Write the structures of optical isomers of lactic acid.

Contd...2

**PART - C**

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

**(4×7=28)**

3. Explain the preparation of thin layer chromatographic plate.
4. Explain the instrumentation of flame photometer.
5. Explain determination of iron by colorimetry.
6. Explain the solvent extraction of iron using oxine solution.
7. Write the following reactions of naphthalene.
  - i) nitration
  - ii) sulphonation at 165°C
  - iii) Friedel Craft's alkylation
  - iv) reduction
8. Give the mechanism of Arndt -Eistert synthesis.
9. How Beckmann rearrangement is used to determine the configuration of ketoximes? Explain.
10. Explain the resolution of Racemic mixture by chemical and mechanical method.
11. How dipole moment and melting point are used to determine the configuration of geometrical isomerism?

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## ST ALOYSIUS COLLEGE (AUTONOMOUS) MANGALURU

## B.Sc SEMESTER III - DEGREE EXAMINATION

November / December - 2024

## MATHEMATICS - III

## Ordinary Differential Equations and Real Analysis – I

Time : 2 ½ Hours

Max. Marks : 60

PART - AAnswer any SIX of the following .

(6×2=12)

1. Test whether the given differential equation  $(y + 2xy^3)dx + (1 + 3x^2y + x)dy = 0$  is exact.
2. Verify whether the given function  $f(x, y) = x^2 + xy - y^2$  is homogenous or not.
3. Find particular integral of  $(D^2 - 9)y = 2x^4$ .
4. Find the complementary solution of  $(D^2 - 4)^2y = 0$ .
5. Check if the series  $\sum_{n=1}^{\infty} \frac{\sqrt{n}}{n^2+1}$  is convergent or divergent.
6. Check if the sequence  $\left\{ \frac{3n-1}{4n+5} \right\}$  is increasing or decreasing.
7. Check if the series  $\sum_{n=1}^{\infty} (-1)^n \frac{1}{2n+5}$  is convergent or divergent.
8. Define Conditional convergence of series.

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(2×6=12)

1. Solve:  $6y^2dx + x(2x^3 + y)dy = 0$ .
2. Solve:  $y' = \operatorname{cosec}x + y \cot x$ .
3. Solve: i)  $y' = \frac{x+1}{y^4+1}$       ii)  $dy = 2t(y^2 + 9)dt$

UNIT - IIAnswer any TWO of the following .

(2×6=12)

1. Solve:  $(D^4 - 1)y = e^x \cos x$ .
2. Solve:  $x^3 \frac{d^3y}{dx^3} + 2x^2 \frac{d^2y}{dx^2} + 2y = 10x$ .
3. Solve:  $(4D^2 + 1)y = -12 \cos x$ .

**UNIT – III**Answer any **TWO** of the following .**(2x6=12)**

1. State and prove  $p$  - series test.
2. Find a formula for the sequence of partial sums for the series  $\sum_{n=1}^{\infty} \frac{1}{(2n-1)(2n+1)}$  . Determine if the infinite series is convergent or divergent. If it is convergent, find the sum.
3. Using the definition, prove that the sequence  $\left\{ \frac{8n}{2n+3} \right\}$  has limit 4.

**UNIT – IV**Answer any **TWO** of the following .**(2x6=12)**

1. Determine if the following infinite series are convergent or divergent

i)  $\sum_{n=2}^{\infty} \frac{(-1)^n}{\log n}$       ii)  $\sum_{n=1}^{\infty} (-1)^n \frac{3}{n^2+1}$  .

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2. State and prove Ratio test.

3. Check the convergence of the following series

i)  $\sum_{n=1}^{\infty} (-1)^n \frac{3^{2n+1}}{n^{2n}}$       ii)  $\sum_{n=1}^{\infty} (-1)^{n+1} \frac{3^n}{n!}$  .

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

**November - 2024**

**ELECTRONICS**

**Power Control, Oscillators, waves shaping circuits, Principles of  
Radio Communication 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**

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

i) A TRIAC has \_\_\_\_\_ terminals.

(A) 2 (B) 3 (C) 4 (D) 5

ii) In an RC oscillator circuit using an op-amp, what does the RC network determine?

(A) Phase shift (B) The gain of the op-amp  
(C) The oscillation frequency (D) The amplitude of the signal

iii) The feedback factor of a Wien bridge oscillator is \_\_\_\_\_.

(A) 3 (B) 29 (C) 1/3 (D) 1/29

iv) The terminal count of a mod-13 binary counter is \_\_\_\_\_.

(A) 1010 (B) 1111

(C) 1101 (D) 1100

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v) The conversion efficiency of a class - A amplifier can be increased with \_\_\_\_\_.

(A) Direct coupled load (B) Low DC power I/P  
(C) Transformer coupled load (D) Low rating resistor.

vi) In the monostable mode of the 555 Timer IC, what triggers the output pulse?

(a) A continuous square wave (b) A high voltage on the trigger pin  
(c) A negative pulse on the trigger pin (d) A low voltage on the threshold pin

2. Answer any SIX questions. (6x1=6)

i) Define modulation index in AM?

ii) How many address lines are required to address 1k Memory?

iii) Mention any one application of a DIAC.

iv) Mention the expression for the frequency of oscillations of Wein-bridge oscillator.

v) Define Frequency modulation.

vi) What is meant by universal shift register?

vii) Define efficiency of a power amplifier.

viii) Draw the circuit diagram of Positive clamper.

Contd...2

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

- i) Draw the labelled diagram of Structure of DIAC.
- ii) Define line regulation and load regulation.
- iii) Draw the circuit diagram of a voltage Tripler.
- iv) Give the equation for AM wave.
- v) Mention the conditions of Barkhausen's criteria for sustained oscillations.
- vi) Draw the block diagram of AM Transmitter.
- vii) Draw the circuit diagram of a two bit ripple counter using JKFF.
- viii) Mention any two disadvantages of Dynamic MOS memory cell.

**SECTION- B****4. Answer any FOUR of the following.****(4x4=16)**

- i) With necessary block diagram explain the action of a class B power amplifier and obtain the expression for its efficiency.
- ii) With a labelled diagram, explain Yagi-Uda Antenna.
- iii) With a circuit diagram explain the working of Hartley oscillator.
- iv) With necessary logic circuit explain the action of a 4-bit serial right shift register using D flip - flops.
- v) List the characteristics of IC LM 317. Explain how this can be used as a adjustable positive voltage regulator.
- vi) An unmodulated carrier has amplitude of 10V, and the amplitude of modulating signal is 2V. If the carrier power is 1000W, calculate the total power and the power carried by the side bands.

**5. Answer any FOUR questions.****(5x4=20)**

- i) Draw the circuit of an instrumentation amplifier using Op-amp. Derive the expression for its output voltage.
- ii) With necessary circuit diagram explain the action of 4X4 diode ROM. Explain how read operation is performed in it.
- iii) With necessary circuit diagram explain the classification of power amplifiers based on the placement of Q point.
- iv) For an FM wave represented by the voltage equation
 
$$e = 12\sin(14 \times 10^8 t + 9\sin 8 \times 10^4 t)$$
 Calculate
  - i. the modulating frequency.
  - ii. the carrier frequency.
  - iii. the modulation index.
  - iv. the maximum deviation.
  - v. the power dissipation in 8  $\Omega$  resistor.
- v) With circuit diagram explain the working of an Astable multivibrator using IC 555. Give the expression for its frequency.
- vi) With necessary circuit diagram explain power control using TRIAC.

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

**November - 2024**

**COMPUTER SCIENCE**

**OBJECT ORIENTED PROGRAMMING**

**CONCEPTS AND PROGRAMMING IN JAVA**

**Time: 2½ Hours.**

**Max Marks: 60**

**PART –A**

1. Answer any **SIX** of the following.

**(6x2=12)**

- List any three key features of Java programming language.
- What is the use of private and public visibility modifier in Java?
- What is inheritance in Java?
- What is variable? How to declare variables in Java?
- Write the major difference between class and interface.
- What is applet?
- Name any two Java API packages.
- What is JDBC?

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**PART –B**

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

**(4x12=48)**

**UNIT - I**

- Explain basic concepts of OOPs. **(4)**
  - Explain different forms of if statements with syntax and example. **(4)**
  - Write a note on command line arguments. **(4)**
- Explain Java Program structure with syntax and example. **(4)**
  - Explain For loop statement with syntax and example. **(4)**
  - Write a note on logical and relational operator. **(4)**

**UNIT – II**

- What is package? Explain how packages are declared in java with example. **(4)**
  - Explain single inheritance with suitable example. **(4)**
  - What is constructor? How constructor is defined and called in java? **(4)**
- Differentiate between method overloading and method overriding. **(4)**
  - Write a note on abstract methods. **(4)**
  - Write a note on visibility modifiers in java. **(4)**

**Contd...2**

**UNIT – III**

- 6. a) Explain the concepts of border layout. (4)
- b) What are listeners in Java event Handling? Explain. (4)
- c) Write a note on try-catch-finally mechanism of handling exceptions. (4)
  
- 7. a) Explain Applet life cycle. (4)
- b) Write a Note on GUI components. (4)
- c) What is exception? How to throw user defined exceptions in java?  
    Explain. (4)

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**UNIT – IV**

- 8. a) Explain Different features of JDBC. (4)
- b) Write a note on Following. a) LAN      b) WAN      c) Internet (4)
- c) Describe the process of loading the JDBC driver using Class.forName(). (4)
  
- 9. a) Explain JDBC architecture with neat diagram. (4)
- b) Write a Note on Remote Method Invocation(RMI). (4)
- c) Explain steps involved in establishing a database connection using JDBC. (4)

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

**November - 2024**

**STATISTICS - III**

**CALCULUS AND PROBABILITY DISTRIBUTIONS**

Time: 2 1/2 Hours.

Max Marks: 60

**SECTION - A**

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

**(5x2=10)**

1. Define a continuous function.
2. Explain Leibniz integral rule.
3. Define Cauchy distribution.
4. Define a Weibull variable.
5. State any two applications of Chi-square distribution.
6. State any two applications of student t distribution.
7. State De-Moivre's-Laplace theorem. State its application.

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**SECTION - B**

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

**(5x10=50)**

8. Derive the  $r^{\text{th}}$  central moment of Normal distribution and hence find mean and variance.
9. a) Find the harmonic mean of Beta distribution of second kind.  
b) Find the median and mode of Standard Cauchy distribution.
10. a) Derive MGF of Exponential distribution with mean  $\theta$ .  
b) Derive the mean and variance of Gamma distribution with parameter  $\theta$ .
11. a) Derive the mean and variance of Exponential distribution.  
b) Derive the MGF of Exponential distribution with parameter  $\theta$ .
12. a) Derive the mode of Chi-square distribution.  
b) Derive the mean and variance of Chi-square distribution
13. Derive the pdf of Snedecor's F distribution.
14. a) Explain Simulation with examples.  
b) Explain Monte Carlo simulation.

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

**November - 2024**

**BOTANY – III**

**PLANT ANATOMY AND DEVELOPMENTAL BIOLOGY**

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 are sclereids? Mention the types.
2. Write the contributions of K.R. Shivanna.
3. Define morphogenesis.
4. Mention the functions of xylem.
5. What are subsidiary cells?
6. What are Casparian strips?
7. What is Root hair? Mention any one function.
8. What is double fertilization?

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**SECTION –B**

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

**(6x5=30)**

1. Explain the structure of any three types of parenchyma.
2. Differentiate tracheid from trachea.
3. What are stomata? Give a general account of their structure.
4. Describe differentiation of root with respect to organogenesis.
5. Describe the anomalous secondary growth in monocot stem.
6. Explain the differentiation of root in plants.
7. Describe the structure of mature angiospermic ovule.
8. List out the post fertilization changes.

**SECTION –C**

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

**(2x10=20)**

1. What are vascular bundles? Classify them adding suitable notes and labelled diagrams.
2. What is transition? Explain the origin of reproductive shoot apex. Add a note on factors affecting transition.
3. With the help of a neat labelled sketch describe the anatomy of a mature anther.
4. With the help of neat labelled diagrams explain the development of monosporic *Polygonum* type of embryo sac.

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**St Aloysius College (Autonomous)  
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**B.Sc. - Semester III -Degree Examination**

**November - 2024**

**Zoology**

**Molecular Biology, Bioinstrumentation and Techniques in Biology**

Time : 2 ½ Hours

Max. Marks : 60

**Instructions: Draw Diagrams wherever necessary.**

**Answer all three sections- A, B, and C.**

**SECTION - A**

1. Answer any **TEN** of the following:

(10×2=20)

- a) What is transcription in molecular biology?
- b) Name the three types of RNA molecules involved in translation.
- c) What is gene silencing?
- d) Mention the role of post translational modifications on gene regulation.
- e) What are some of the factors that can affect the separation of components in TLC?
- f) What is the principle of light microscopy?
- g) What is acidic buffer? Give example.
- h) Define pH.
- i) Name any two detergents used in DNA isolation.
- j) What is protein Acetylation? Mention its importance.
- k) What is the principle of the centrifuge?
- l) Define Beer's law.

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**SECTION - B**

Answer any **FOUR** of the following.

(4×5=20)

2. Give the transcription factor and their function
3. Describe how to use a microscope to prepare and view a sample.
4. Briefly explain how gene expression in eukaryotes differs from prokaryotes.
5. Elaborate on ELISA technique and the types.
6. Explain how paper chromatography can be used to identify the components of a mixture.
7. Write a short note on RNA editing.

**SECTION - C**

Answer any **TWO** of the following .

(2×10=20)

8. Explain how HPLC can be used to analyze complex mixtures, such as biological samples.
9. Give the steps involved in protein analysis by western blotting
10. What are the key events in each phase of translation?
11. Discuss the similarities and differences between the lac operon and the trp operon in terms of their regulatory mechanisms and their roles in bacterial metabolism.

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

**November - 2024**

**MICROBIOLOGY – III**

**MICROBIAL DIVERSITY**

Time: 2½ hrs.

Max Marks: 60

Instructions: Draw Diagrams wherever necessary.

Answer all three sections- A, B, and C.

**SECTION-A**

1. Define/Answer any **TEN** of the following: (10x2=20)
- Name any two morphological features of microbes used in their taxonomy.
  - Define ecosystem diversity.
  - Define excystation in *E. histolytica*.
  - Mention the scientific classification of Actinomycetes.
  - Give the characters of the cyst in protozoa.
  - Mention the treatment for Balantidiasis.
  - List phases of one-step growth curve of viruses.
  - What is the lysogenic cycle of bacteriophages?
  - Describe Proteobacteria.
  - List the three domains of life.
  - List the macroscopic characters of *Rhizopus*.
  - Define viroids.

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**SECTION - B**

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

- Morphological forms of *Plasmodium* seen in humans.
- Discuss the morphology of *Trichomonas vaginalis*.
- Explain the general characteristics of viruses in brief.
- Give a brief account of Prions.
- Write a note on similarities between Cyanobacteria and Bacteria.
- Summarise the regulations of binomial nomenclature.

**SECTION - C**

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

- Explain reproduction in *Fusarium*. Add a note on chlamydospores.
- Discuss the morphology and life cycle of *E. histolytica*.
- Explain the 16srRNA gene analysis technique in detail.
- Discuss the various methods of cultivation of viruses.

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

**November - 2024**

**BIOCHEMISTRY - III**

**BIO-ORGANIC CHEMISTRY**

**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)**

- Define reaction intermediates and explain their role in organic reactions.
- Provide the structural formula of pyrrole and give its significance in biological processes.
- Differentiate retention of configuration & inversion of configuration.
- Write any two characteristics of amine.
- Mention the component of NAD<sup>+</sup>.
- What are antivitamin factors give example.

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**PART – B**

**Answer any FOUR of the following.**

**(4×5=20)**

- Classify terpenes based on their structure and provide examples.
- Provide distinguishing tests for primary, secondary and tertiary alcohols.
- Write a note on the structure and importance of Furan and Pyran.
- Write a note on antinutritional factor.
- Elaborate on S<sub>N</sub>2 mechanism using adenosyl methionine methyl transferase.

**PART – C**

**Answer any THREE of the following:**

**(3×10=30)**

- Elaborate on chemical reactions of amines.
- Provide the structure and importance of Menthol and Cholesterol.
- Discuss on decarboxylation reaction of thiamine pyrophosphate & redox reaction of FAD.
- Explain in brief the classification of organic reactions.

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

**November - 2024**

**BIOTECHNOLOGY - III**

**BIOMOLECULES**

**Time: 2 ½ Hours**

**Max. Marks: 60**

**Note: i) Answer all the questions**

**ii) Draw diagrams wherever necessary**

**PART - A**

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

**(5x2=10)**

- What are monosaccharides? Give an example.
- What are Enantiomers? Give examples.
- Define essential fatty acids. Give an example.
- What are derived lipids? Give examples.
- List the two main functional groups present in all amino acids.
- What is Proteomics? Mention its one application.
- What is melting temperature ( $T_m$ ) in nucleic acids?
- Define introns and exons.

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**PART - B**

Answer any **SIX** of the following:

**(6x5=30)**

- Discuss the structure and functions of starch.
- Explain the concept of oxidative phosphorylation and chemiosmotic theory.
- Explain the structure and functions of spingolipids.
- Explain the properties of fatty acids.
- Describe the features of peptide bonds.
- Differentiate between fibrous and globular proteins.
- What is Gout? Mention its symptoms.
- Describe Denaturation and renaturation of nucleic acids.

**PART - C**

Answer any **TWO** of the following:

**(2x10=20)**

- Explain the steps involved in glycolysis.
- Explain  $\beta$ -oxidation of fatty acids.
- Explain the classification of amino acids.
- Explain the *denovo* pathway of nucleic acid synthesis.

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(2021 Batch onwards)

G 110 DC1.3 / G 512 DC1.3

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**St Aloysius College (Autonomous)**  
**Mangaluru**  
**B.A./B.Sc. Semester III - Degree Examination**  
**November - 2024**  
**COMPUTER ANIMATION**  
**VISUAL EFFECTS**

Time : 2 ½ Hours

Max. Marks : 60

**SECTION - A**

Answer any **FIVE** of the following.

(5×2=10)

1. What is motion capture? Mention any 2 advantages.
2. Mention any two VFX techniques.
3. What is rotoscoping? Give an example
4. Differentiate color correction and grading.
5. Which software is linked to adobe media encoder?
6. Mention the composition settings for 720p and 1080p videos.
7. Write down the steps to export a video in Premiere Pro.

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**SECTION - B**

Answer any **FOUR** of the following.

(4×5=20)

8. Explain how camera angles play a key role in conveying a visual idea. Give examples.
9. Describe the importance of lighting while shooting indoors.
10. Discuss the use of the effect Track Matte key in Premiere Pro with an example.
11. Mention any three differences between color correction and color grading.
12. Describe the VFX technology used by the series "The Mandalorian".
13. Write down the steps to create an echo text animation.

**SECTION - C**

Answer any **TWO** of the following .

(2×15=30)

14. Explain the workspace of Adobe After Effects and Premiere Pro with a diagram.
15. Explain all the different stages of Film/Movie Production.
16. How to make a subject run 'SuperSpeed' with the help of VFX? Explain.

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(2021 Batch Onwards)

G 513 DC1.3

Reg. No. :

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**St Aloysius College (Autonomous)**

**Mangaluru**

**B.Sc. - Semester III – Degree Examination**

**November - 2024**

**ECONOMICS – III(a)**

**MICRO ECONOMICS - II**

Time: 2½ hrs.

Max Marks: 60

**PART - A**

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

**(2×5=10)**

1. Define micro economics
2. Who is an economist?
3. Distinguish between centrally planned and market economy.
4. State the risk theory of profit.
5. Give the meaning liquidity preference.
6. Give the meaning of cartel.
7. What is asymmetric information?
8. Distinguish between risk pooling and risk spreading.

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**PART – B**

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

**(5×6=30)**

9. Briefly explain the uses of micro economics.
10. Explain the concept of stable and unstable equilibrium.
11. Briefly explain the circular flow of economic activities.
12. Write a note on marginal productivity theory of wages.
13. Briefly explain the loanable fund theory of interest.
14. Briefly explain dynamic theory of profit.
15. Explain the kinked demand curve model.
16. Explain the concept of market for lemons.
17. Write a note on N-M utility index.

**PART – C**

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

**(10×2=20)**

18. Explain the nature, scope and limitations of micro economics.
19. Explain Ricardian theory of rent.
20. Explain Cournot's duopoly model.
21. Explain the theory of efficient market hypothesis.

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(2021 Batch Onwards)

G 513 DC2.3

Reg. No. :

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**St Aloysius College (Autonomous)**

**Mangaluru**

**B.Sc. - Semester III – Degree Examination**

**November - 2024**

**ECONOMICS – III(b)**

**BASIC ECONOMETRICS**

Time: 2½ hrs.

Max Marks: 60

**PART - A**

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

**(2×5=10)**

1. What is pooled data?
2. If  $R^2 = 0.75$ , how do you interpret?
3. State the meaning of stochastic term.
4. How to find homoscedasticity in SPSS?
5. What is inconclusive region in D-W test?
6. List out any four assumptions of MLRM?
7. Write the procedure of SPSS to find WLS.
8. What is inverse of tolerance?

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**PART - B**

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

**(5×6=30)**

9. Derive the parameters of the SLRM using OLS method.
10. Prove that  $TSS = ESS + RSS$ .
11. Prove that  $E(\hat{\beta}_2) = \beta_2$

12.

Rent of Flat (Rs.)	No. of Rooms
150	2
200	3
250	4
300	2
350	3

Find out the parameters from the above table using deviation method.

13. Prove that  $\hat{\beta}_2 \sim N[\beta_2, \sigma^2 / \sum X_i^2]$ .
14. Write the steps to find data set homoscedasticity using B-P Test in SPSS.
15. Write a note on autocorrelation.
16. Explain the assumptions of MLRM.
17. Explain the consequences and solutions to avoid multicollinearity.

Contd....2

## PART – C

III Answer any TWO of the following.

(10×2=20)

18.

Xt (Quantity of output)	Lt (Labour input)
08	120
12	140
20	150
25	165
30	185
32	200

Test the following hypothesis

$H_0: \beta_1 = 0$  &  $H_0: \beta_2 = 0$  at 5% significance level.

19. Explain the methodology of econometrics.

20. What are the assumptions of CLRM? Explain.

21.

Cost	Output
69	9
76	12
52	6
56	10
57	9
77	10
58	7
55	8
67	12
53	6
72	11
64	8

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From the above table test whether data follows heteroscedastic?

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**Mangaluru**

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

**November – 2024**

**FOOD SCIENCE - III**

**BASICS OF FOOD SAFETY AND QUALITY CONTROL**

**Max. Marks: 60**

**Time: 2½ Hours**

**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 the objectives of FSSAI?
- Define hazard. Give its types.
- Mention any four steps to maintain an effective Pest Management program.
- Give the importance of food safety.
- Name any four food regulatory bodies around the world.
- Give four examples for common sanitation agents used in the food industry.
- Define HACCP.

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**PART – B**

**Answer any SIX of the following.**

**(5×6=30)**

- Discuss on the importance of SSOP in a food industry.
- Differentiate between quality control and quality assurance.
- Write a note on integrated pest management.
- What are the general labeling requirements in a food package?
- Explain the types of water treatments carried out in the industry.
- Discuss the principles of HACCP in detail.
- Explain the significance of personal hygiene in preventing the spread of infectious diseases and maintaining overall health.
- Give an account of FSSAI registration and licensing.

**PART – C**

**Answer any TWO of the following:**

**(10×2=20)**

- What is the importance of Food safety in food processing industry?
- Write a note on traceability and recall in the food industry. Give its importance.
- Give an account of different types of contamination occurring in food industry.

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(2022 Batch onwards)

G 701 DC1.3

Reg. No. 

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

**B.Sc.(Visual Communication) Semester III – Degree Examination**

**November- 2024**

**INTRODUCTION TO FILM 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. What made films popular during the silent era? What challenges threatened their existence? Evaluate.
2. Which year marked the release of India's first feature film, and what was its title? Briefly write about it.
3. Define the term 'shot composition' in the context of filmmaking, and provide a brief explanation of its importance in visual storytelling.
4. Explain the concept of color symbolism and how it can be used to convey emotions or themes in a film.
5. Explain how the French New Wave challenged traditional cinematic conventions. What were some of the innovative storytelling techniques used by these filmmakers?
6. How did D.W. Griffith's use of cross-cutting and parallel editing techniques contribute to the development of narrative storytelling in cinema during the silent era?
7. Can you explain the difference between a signifier and a signified when analyzing semiotics in cinema? Provide an example from a film.

**PART - B**

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

8. What aspects do you consider during post-production work in film?
9. Assess the role of avant-garde and experimental cinema in addressing sociopolitical issues and cultural critique.
10. What are the key films or works associated with Charlie Chaplin, Orson Welles, Alfred Hitchcock, and Akira Kurosawa? Name one significant contribution or achievement by each of these filmmakers.
11. How can the use of cinematography, color grading, and framing in a specific movie be analyzed to convey its underlying themes or emotions?
12. Why do you think makeup is necessary in filmmaking? Explain with examples.

PART – C

Write a detailed note on any TWO of the following in (2x15=30)  
500– 700 words each

13. Explain the studio system in detail with examples.
14. How do Steven Spielberg and Girish Kasaravalli use storytelling, cinematography, and character development to create a unique emotional resonance with the audience?
15. Explain how various elements of film language, contribute to the overall meaning and impact of a film. Provide specific examples from a film of your choice to support your analysis.

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(2022 Batch onwards)

G 701 DC2.3

Reg. No.

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

**B.Sc.(Visual Communication) Semester III – Degree Examination**

**November- 2024**

**Advanced Photography**

**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. Low Angle Shot
2. Exposure Triangle
3. Rim Lighting
4. Low light Photography
5. Documentary photography
6. Event Photography
7. Crop frame

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**PART - B**

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

8. List and briefly explain three common types of filters used in photography. How do these filters enhance or modify the visual characteristics of an image?
9. Define what a prime lens is and discuss its key characteristics that distinguish it from zoom lenses. Provide an example of a photographic scenario where a prime lens is advantageous and explain why.
10. Describe the role of ISO in photography. Discuss the impact of high and low ISO settings on image quality. Provide examples of situations where adjusting ISO is essential.
11. Name the three key elements that control exposure in photography and briefly describe their functions.
12. Describe the "golden hour" in photography. How does this natural lighting phenomenon contribute to the aesthetics of outdoor images? Discuss strategies for making the most of the golden hour in different photography genres.

**Contd...2**

**PART – C**

**Write a detailed note on any TWO of the following in (2x15=30)  
500– 700 words each**

13. Compare and contrast the planning considerations for a studio photoshoot versus an on-location outdoor photoshoot. Highlight the advantages and limitations of each setting in terms of control, creativity, and visual storytelling.
14. Examine the ethical responsibilities of photographers in documenting sensitive or vulnerable subjects in photography. How can photographers strike a balance between storytelling and respect for the privacy and dignity of the individuals they portray?  
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15. Explain the principles of three point lighting in studio photography. Describe the key components of this lighting setup and their respective roles in achieving well-lit and visually engaging subjects.

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G701 DC3.3

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St Aloysius College(Autonomous),Mangaluru

B.Sc(Visual Communication)Semester III-Degree Examination

November-2024

Media Law and Ethics

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. Slander
2. Criminal Contempt
3. Section 124 A
4. Patent
5. Sensationalism
6. Bennet Coleman Group
7. Constituent Assembly

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**PART-B**

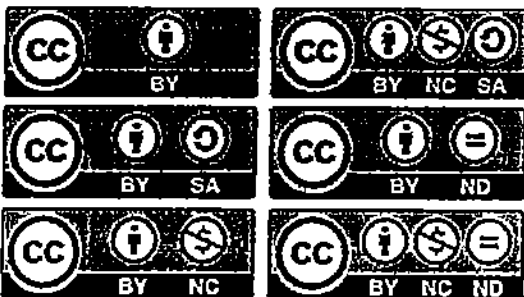
Answer any FOUR of the Following in 150 to 200 words each (4X5=20)

8. How does the Indian Constitution protect the freedom of the press?
9. What are the primary functions of Prasar Bharati in India's broadcasting landscape?
10. What is a patent, and how does it fit into the broader framework of Intellectual Property Rights (IPR)?
11. Write a case study on the violation of the right to privacy
12. What are the key functions of media as a watchdog in society?

**PART-C**

Write a detailed note on any TWO of the Following in 500 To 700 words each (2X15=30)

13. Explain how the RTI Act empowers citizens to access information from public authorities.
14. Explain the following sequence of Creative Commons licenses in detail.



15. Explain the rationale behind allowing restrictions on the right to freedom of speech and expression under Article 19(2). Why these restrictions are considered necessary?

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G 702.3

(2019 Batch onwards)

Reg. No.

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**St Aloysius College (Autonomous)  
Mangaluru**

**B.A./B.Sc./B.C.A. – Semester III -Degree Examination  
November - 2024**

**FOUNDATION COURSE IN GENDER EQUITY AND VALUE EDUCATION**

Time: 2 Hrs.

Max Marks: 50

(5×1=5)

**I. Answer any FIVE of the following questions in just one sentence each.**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳನ್ನು ಉತ್ತರಿಸಿ.

1. Define Gender Equity.

ಸಾಮಾಜಿಕ ಲಿಂಗ ಸಮಾನತೆಯನ್ನು ವಿವರಿಸಿ

2. What is POCSO?

POCSO ಎಂದರೇನು?

3. When was the Dowry Prohibition act passed?

ವರದಕ್ಷಿಣೆ ನಿಷೇಧ ಕಾಯ್ದೆಯನ್ನು ಯಾವಾಗ ಜಾರಿಗೆ ತರಲಾಯಿತು?

4. What is domestic violence?

ಕೌಟುಂಬಿಕ ಹಿಂಸೆ ಎಂದರೇನು?

5. Define globalization.

ಜಾಗತೀಕರಣವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.

6. Mention two objectives of state commission for women.

ರಾಜ್ಯ ಮಹಿಳಾ ಆಯೋಗದ ಎರಡು ಉದ್ದೇಶಗಳನ್ನು ತಿಳಿಸಿ

7. Expand PNDDT.

PNDDT ಅನ್ನು ವಿಸ್ತರಿಸಿ

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**II. Answer any FIVE of the following questions in about two sentences each.**

(5×2=10)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳನ್ನು ಉತ್ತರಿಸಿ.

8. Discuss the differences between patriarchy and matriarchy.

ಪಿತೃ ಪ್ರಧಾನತೆ ಮತ್ತು ಮಾತೃಪ್ರಧಾನತೆಯ ನಡುವಿನ ವ್ಯತ್ಯಾಸಗಳನ್ನು ಚರ್ಚಿಸಿ

9. Give examples for gender division of labour.

ಲಿಂಗಾಧಾರಿತ ಶ್ರಮವಿಭಜನೆಗೆ ಎಂದರೇನು?

10. Define human trafficking.

ಮಾನವ ಕಳ್ಳಸಾಗಣೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ

11. What is honor killing?

ಗೌರವ ಹತ್ಯೆ ಎಂದರೇನು?

Contd...2

12. What are gender stereotypes?  
ಲಿಂಗ ಸ್ವೀರಿಯೊಟೈಪ್ಸ್ ಎಂದರೇನು?
13. What is infant mortality?  
ಶಿಶು ಮರಣ ಎಂದರೇನು?
14. What are the offences related to marriage.  
ಮದುವೆಗೆ ಸಂಬಂಧಿಸಿದ ಅಪರಾಧಗಳು ಯಾವುವು?

**III. Answer any TWO of the following questions in 20 lines each. (2x10=20)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ಎರಡು** ಪ್ರಶ್ನೆಗಳನ್ನು ಉತ್ತರಿಸಿ.

15. Discuss the need for gender sensitization.  
ಲಿಂಗ ಸಂವೇದನೆಯ ಅಗತ್ಯವನ್ನು ಚರ್ಚಿಸಿ.
16. Write a note on laws and legislations protecting women and children.  
ಮಹಿಳೆಯರು ಮತ್ತು ಮಕ್ಕಳನ್ನು ರಕ್ಷಿಸುವ ಕಾನೂನುಗಳು ಮತ್ತು ಶಾಸನಗಳ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.
17. Explain Alma Ata Declaration.  
ಆಲ್ತಾ ಆತಾ ಘೋಷಣೆಯನ್ನು ವಿವರಿಸಿ.
18. Explain the functions of National Commission for Women.  
ರಾಷ್ಟ್ರೀಯ ಮಹಿಳಾ ಆಯೋಗದ ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

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**PART - B**

**VALUE EDUCATION (III semester)**

**V. Answer any ONE of the following in not less than a page. (1x5=5)**

- ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಒಂದು ಪುಟಕ್ಕೆ ಮೀರದಂತೆ ಬರೆಯಿರಿ.
19. Discuss the importance of Couples Counseling for fostering a healthy marital relationship?  
ಆರೋಗ್ಯಕರ ವೈವಾಹಿಕ ಸಂಬಂಧವನ್ನು ಬೆಳೆಸಲು ದಂಪತಿಗಳ ಸಮಾಲೋಚನೆಯ ಪ್ರಾಮುಖ್ಯತೆಯನ್ನು ಚರ್ಚಿಸಿ?
20. Write a note on "Adoption" as a reproductive choice.  
ಸಂತಾನೋತ್ಪತ್ತಿ ಆಯ್ಕೆಯಾಗಿ "ದತ್ತು ಸ್ವೀಕರಿಸುವಿಕೆ" ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

**VI. Answer any ONE of the following in not less than two pages. (1x10=10)**

- ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಎರಡು ಪುಟಕ್ಕೆ ಮೀರದಂತೆ ಬರೆಯಿರಿ.
21. Explain the Permanent and Temporary Family Planning Methods.  
ಶಾಶ್ವತ ಮತ್ತು ತಾತ್ಕಾಲಿಕ ಕುಟುಂಬ ಯೋಜನೆ ವಿಧಾನಗಳನ್ನು ವಿವರಿಸಿ.
22. What does a Functional Family mean? Discuss the measures to foster healthy families.  
ಕ್ರಿಯಾತ್ಮಕ ಕುಟುಂಬ ಎಂದರೆ ಏನು? ಆರೋಗ್ಯಕರ ಕುಟುಂಬಗಳನ್ನು ಬೆಳೆಸುವ ಕ್ರಮಗಳನ್ನು ಚರ್ಚಿಸಿ.

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(2023 batch onwards)

G 709 SB1.3

Reg. No.

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**St Aloysius College (Autonomous)**

**Mangaluru**

**B.A./B.Sc. Semester III – Degree Examination**

**November - 2024**

**(Skill enhancement Course)**

**CYBER SECURITY**

**Time: 2 Hours**

**Max Marks: 50**

**SECTION A**

**Answer any FIVE of the following:**

**(5x2=10)**

- 1) List any two challenges of cyber security
- 2) What are cyber crimes? Provide an example.
- 3) Name two organizations in India that deal with cyber security.
- 4) Mention two common cyber crimes targeting women and children.
- 5) Define ransomware.
- 6) State whether the following statement is True or False: "Social media marketing involves targeting specific user groups based on their behavior." Justify.
- 7) Give any two best practices for using social media securely.

**SECTION B ST ALOYSIUS COLLEGE LIBRARY**

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**Answer any FOUR of the following:**

**(10x4=40)**

- 8) a) Describe the architecture of cyberspace and how it supports global communication.  
b) What are the major issues and challenges associated with cyber security? Explain.
- 9) a) Differentiate between the Internet and the World Wide Web. Provide relevant examples.  
b) Classify cyber crimes and explain the unique characteristics of each type.
- 10) a) Describe common cyber crimes targeting computers and mobile devices. Give examples.  
b) What are social engineering attacks, and how can individuals and organizations protect themselves?
- 11) a) Discuss the remedial and mitigation measures that can be taken to minimize the impact of cyber crimes.  
b) What are zero-day and zero-click attacks? Explain how they pose a threat to cyber security.
- 12) a) With the help of an example, explain the challenges associated with ensuring privacy on social media platforms.  
b) Explain the concept of viral content on social media and how it influences user behavior.
- 13) a) Briefly explain how social media platforms can be misused for cyber crimes and what can be done to prevent.

**Contd...2**

b) Case Study: Financial Fraud via Malware Attack

Case Overview: In 2020, a well-known e-commerce company experienced a cyber attack in which malware was installed on its payment processing system. The malware, known as "Skimmer," captured credit card details as customers made purchases online. The attack went undetected for several weeks, during which hundreds of customers' financial information was stolen and used for unauthorized purchases.

The cybercriminals used the stolen data to make fraudulent purchases and sell sensitive information on the dark web. When the e-commerce company finally identified the breach, it immediately shut down the affected servers and notified customers about the issue. The company cooperated with law enforcement to track down the perpetrators and issued refunds to all affected customers. Additionally, the company upgraded its payment processing system by implementing encryption for transactions and improving its malware detection protocols.

Based on the above Case Study, answer the following comprehension questions:

1. What type of cyber attack was used in this case?
2. How did the malware affect the e-commerce company's customers?
3. What immediate action did the company take after discovering the malware?
4. What security improvements were made by the company to prevent similar attacks in the future?
5. How did the company handle the financial impact on affected customers?

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G 735 LA1.3

(2021 batch onwards)

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**St Aloysius College (Autonomous)  
Mangaluru**

**B.A./ B.Com./B.B.A./B.Sc./B.C.A. - Semester III - Degree Examination  
November - 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. Name the ship, in which the indentured labourers were taken to Mauritius.
  2. \_\_\_\_\_ plays a crucial role in the success of any product.
  3. According to Dr Ambedkar the roots of democracy are to be searched in the \_\_\_\_\_ in terms of associated life between the people who form society.
  4. Which is a process of international free trade that allows movement of goods, capital and people across international borders?
  5. Victorian ideas of morality began to brand Tawaifs as \_\_\_\_\_.

- B. Answer any THREE of the following in about 150-180 words each: (3x5=15)**
1. How, according to Murthy, has information technology helped in designing consumer friendly goods? Explain.
  2. Who were the tawaifs originally? Write a short note on their art and their audience.
  3. Write a note on the experience of Munshi Rahman Khan on the Caribbean Island.
  4. How does Ambedkar distinguish between democracy, republic and parliament? How does he explain the concept of democracy?

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**UNIT - II (POETRY)**

- II. Answer any TWO of the following in about 150- 180 words each: (2x5=10)**
1. In the poem 'We Wear the Mask' there is an appeal to the Lord to save or heal the tortured souls. What do you think could be the agony of the speaker? Explain.
  2. Comment on the idea of death being a stepping stone for the slave's children's children to cross upon with reference to the poem 'Time to Die.'
  3. The poem, 'The Unquiet Grave' presents love as an emotion steeped in tragedy. Why do you think most love poems carry such motifs? Explain.
  4. How do you think urbanization and globalization have affected rural life? Explain with reference to the poem 'For the Dispossessed.'

**UNIT - III (SHORT STORY)**

- III. Answer any TWO of the following in about 150-180 words each. (2x5=10)**
1. Write a short note on the discussion between the banker and his friends that leads to the bet.
  2. Write a short note on the strange nature of the King in the short story written by Frank Stockton?
  3. How did the renunciation note of the prisoner affect the banker in the short story 'The Bet'?
  4. What emotions were evoked in the princess as imagined by her lover meeting the beautiful lady upon opening the door in the short story 'The Lady or the Tiger'?

Contd...2

**UNIT - IV (GRAMMAR AND WRITING SKILLS)**

**IV.A. Choose appropriate words given in the brackets and fill in the blanks: (5x1=5)**

**(good at, late for, cut down, jealous of, give away, hope for, ashamed of)**

1. She was \_\_\_\_ her friend because she had a better dress.
2. She is \_\_\_\_ driving than he is.
3. Please don't \_\_\_\_\_ all your money.
4. Let's \_\_\_\_\_ the best. You never know, the weather might clear up.
5. I must hurry or I'll be \_\_\_\_\_ work.

**B. Choose appropriate phrasal verbs from the given list and fill in the blanks: (5x1=5)**

**(sell out, show up, grow up, keep up, get over, run into, give up)**

1. It's important to \_\_\_\_ on time.
2. I started getting up at 5 a.m. but I don't know if I can \_\_\_\_ it \_\_\_\_ for long.
3. It's lovely watching my children \_\_\_\_ .
4. I \_\_\_\_ playing football some time ago.
5. It took her a long time to \_\_\_\_\_ the death of her husband.

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**C. Fill in the blanks with Simple Past/ Past Perfect forms of verbs given in brackets: (5x1=5)**

Once Mars (1) \_\_\_\_ (lay) a trap in the forest to catch rabbits. He (2) \_\_\_\_ (worry) that somebody else might get there before him. So he (3) \_\_\_\_ (go) into the forest before day break. The trap was empty. No rabbit (4) \_\_\_\_ (walk) into it. So he (5) \_\_\_\_ (wait) until day break.

**D. Read the following context carefully and write a report in about 200 words: (1x5=5)**

The PR Executive, Ms Naina Goveas of Elite Matrimony Pvt Ltd, an online matrimonial company based of Bangalore, has requested you to make a study of the changing market demands of youngsters looking for a suitable life partner. In particular, the organization is interested in how changing salary packages, perceptions of society like caste, language, and religion, and educational qualifications have altered the demands of youngsters. There is a perception that today's youngsters want to prioritize career over marriage.

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**ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ), ಮಂಗಳೂರು**  
**ಬಿಎಸ್ಸಿ- ಮೂರನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ**

ನವೆಂಬರ್ - 2024

**ಕನ್ನಡ ಭಾಷಾಪತ್ರಿಕೆ - III**

ಸಮಯ : 2½ ಘಂಟೆ

ಗರಿಷ್ಠ ಅಂಕ : 60

(7x3=21)

**I. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಮೂರನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ**

1. ಚಿನ್ನದ ಸರ ಪ್ರೀತಿಸಿದ ಹುಡುಗಿಯ ಕೊರಳು ಸೇರಿದ ಸನ್ನಿವೇಶವನ್ನು 'ತಪ್ಪಿದ ರೈಲಿನಲ್ಲಿ' ಕಥೆಯ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ
2. ಪುನಃಪ್ರೇಕನ ನೈಸರ್ಗಿಕ ಕೃಷಿ ಪದ್ಧತಿಯ ಅಗತ್ಯವನ್ನು ಕವನದಲ್ಲಿ ಹೇಗೆ ಪ್ರತಿಪಾದಿಸಲಾಗಿದೆ? ವಿಮರ್ಶಿಸಿ
3. ಪ್ರವಾಸ ಸಾಹಿತ್ಯವೆಂದರೇನು? ತೇಜಸ್ವಿಯವರ ಆಲೋಚನಾ ಕ್ರಮದ ಪ್ರವಾಸ ಸಾಹಿತ್ಯದ ಕುರಿತಂತೆ ಬರೆಯಿರಿ
4. ಪಾಂಡವರು ಅಶ್ವಮೇಧ ಯಾಗ ಮಾಡಲು ಕಾರಣವಾದ ಅಂಶವನ್ನು ವಿವರಿಸಿ
5. ಹಾಲಿನ ಬಟ್ಟಲು ಯೋಜನೆಯ ಮೂಲಕ ಎಲೆನಾ ಪೆರುವಿನ ಜನರ ಬಡತನ ನಿವಾರಣೆಗೆ ಹೇಗೆ ಶ್ರಮಿಸಿದರು? ವಿವರಿಸಿ
6. 'ಗಾಂಧೀ ಪ್ರೋಟೋ ಆಲ್ಟಮ್' ಕವನದಲ್ಲಿ ಗಾಂಧಿಯ ಬದುಕು ದುರಂತದಲ್ಲಿ ಮುಗಿದಿರುವುದು ಹೇಗೆ ವ್ಯಕ್ತವಾಗಿದೆ? ವಿವರಿಸಿ

**II. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಮೂರನ್ನು ಸಂಕ್ಷಿಪ್ತ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ**

(3x3=09)

7. ಕಾರಿ ಹೆಗ್ಗಡೆ ಮಗಳ ಕೊರಗಿನಲಿ ಜೀವನವನ್ನು ಕಳೆಯಲು ಕಾರಣವೇನು? ವಿವರಿಸಿ
8. ಸಿ.ಆರ್.ಚಂದ್ರಶೇಖರ್ ಅವರು ಮನೆಯ ವಾತಾವರಣವನ್ನು ಆಹ್ಲಾದಕರವಾಗಿರುವಂತೆ ಮಾಡಲು ನೀಡಿದ ಸೂಚನೆಗಳೇನು?
9. ಹಸಿವಿನ ಭೀಕರತೆ 'ರೂಟೈ ಮತ್ತು ಕೋವಿ' ಕವಿತೆಯಲ್ಲಿ ಹೇಗೆ ಅನಾವರಣಗೊಂಡಿದೆ? ವಿವರಿಸಿ
10. ನೀಟಮ್ ಸಸ್ಯದ ಶೋಧನೆಯಲ್ಲಿ ಕಂಡುಬರುವ ಹಾಸ್ಯಪ್ರಜ್ಞೆ ಮತ್ತು ಸಸ್ಯಶಾಸ್ತ್ರ ಜ್ಞಾನದ ಕುರಿತಂತೆ ಬರೆಯಿರಿ
11. ಶಾಸ್ತ್ರಕ್ರಿಯೆ ಮಾನವೀಯತೆ ಮುಖ್ಯವೆನ್ನುವುದನ್ನು ಕುವೆಂಪು ಕವನದಲ್ಲಿ ಹೇಗೆ ನಿರೂಪಿಸಿದ್ದಾರೆ? ವಿವರಿಸಿ
12. ಅನ್ನದ ಸಮಾನ ಹಂಚಿಕೆಯ ಬಗ್ಗೆ ಬೇಂದ್ರೆಯವರ ಅಭಿಪ್ರಾಯವೇನು? ತಿಳಿಸಿ

**III. ಒಂದು ಪದ್ಯಭಾಗದ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಪದ್ಯದ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ**

(4x1=04)

13. ತಪ್ಪಿದ ರೈಲಿನಲ್ಲಿ  
ಗೊಪ್ಪುವ ಯೆಕಾರಮಂ ಕೆಲಬಲದ ಮಾಮರದೊ  
ಳಿಪ್ಪ ನಿರಾಸಮಂ ತೆಗೆದು ಕಿಣುವೆರಳುಗುರ್ಗೊನೆಯಿಂದ ತಿದ್ದಿಬರದು  
ಅಪ್ಪಂತೆ ಮೊದಲಿದ ಮುದ್ರೆಯಂ ಸಂಘಟಿಸಿ  
ಕುಪ್ಪಸದ ಸಣಗಿನೊಳ್ ಕಟ್ಟಿ ಪಳೆಯವೊಲಿರಿಸಿ  
ಸವ್ವಳಾಗದ ತೆಲದೊಳೆದ್ದು ಮೆಲ್ಲನೆ ಮಂತ್ರಿಸುತೆ ತೊಲಗಿ ಬರುತಿರ್ದಳು
14. ಹತ್ತಿ ಕುದುರೆಯ ತರುಬಿ ಬರುವರು,  
ಮುತ್ತಿಕೊಂಡರೆ ನನ್ನ ಕೊಲುಪರು;  
ಘೋರದುಃಖದ ನಾರಿಯನು ಬಳಿ  
ಕಾರು ನಗಿಸಲು ಬಲ್ಲರು?

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**IV. ಎರಡು ಪದ್ಯ ಸಾಲುಗಳ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಸಾಲಿನ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ**

(2x2=04)

15. ಕನಕ ಮಣ್ಣಾದ ಕೃಷ್ಣ ಕಲ್ಲಾದ
16. ರಕ್ತದ ಕಲೆಯಂಟಿಸಿಕೊಂಡು ಬೆಳೆದ ಅಂಗೈಯೊಳಗೆ
17. ಪರಮಾತ್ಮನ ಪರದೆಯಲಿ ಜೀವಾತ್ಮನ ಕಬಳಿಸುವ
18. ಎಲ್ಲಿಯೊ ಕಂಡಿದ್ದೆನಲ್ಲ ಈ ಕೈಗಳನು?

**V.ಅ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ**

(3x2=06)

19. ಶೋಷಿತರ ಸಮಾನತೆಯ ಚಿತ್ರಣ ಕ್ರಾಂತಿಪದ
20. ಬಿ. ಎಂ. ಶ್ರೀ
21. ಹಸಿದ ಕೈಗೆ ಕೋವಿ ಭಯವೇ?
22. ದುಷ್ಟಬುದ್ಧಿ

Contd...2

ಅ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ

(3x2=06)

23. ಆವೃತಬೀಜ ಮತ್ತು ನಗ್ನಬೀಜ ಸಸ್ಯ ವರ್ಗಕ್ಕಿರುವ ವ್ಯತ್ಯಾಸ
24. ವಚನಕಾರರ ವೈಚಾರಿಕ ನಿಲುವು
25. ಪರಿಸರ ಮತ್ತು ಮಾನಸಿಕ ಆರೋಗ್ಯಕ್ಕೆ ಅಹಿತಕರ ಮಾತು, ವರ್ತನ ಬೇಡ
26. ಅಂಡಮಾನ್

VI. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ

(1x10=10)

27. 'ಮಾನಸಿಕ ಆರೋಗ್ಯ ತಜ್ಞ'ರೆಂದು ಕರಸಿಕೊಂಡ ಕನ್ನಡದ ಖ್ಯಾತ ಬರಹಗಾರರು ಯಾರು?
28. ಕುವೆಂಪುರವರ 'ಯಾವ ಕಾಲದ ಶಾಸ್ತ್ರವೇನು ಹೇಳಿದರೇನು' ಕವಿತೆಯನ್ನು ಯಾವ ಸಂಕಲನದಿಂದ ಆರಿಸಲಾಗಿದೆ?
29. 'ದಲಿತ ಕವಿ'ಯೆಂದೇ ಪ್ರಸಿದ್ಧರಾದ ಕನ್ನಡದ ಕವಿ ಯಾರು?
30. ಯು.ಆರ್.ಅನಂತಮೂರ್ತಿಯವರ 'ಸುರಗಿ' ಆತ್ಮಕಥೆಯ ಸಂಯೋಜನೆ ಮತ್ತು ನಿರೂಪಣೆ ಮಾಡಿದವರು ಯಾರು?
31. ಜಿಎಸ್‌ಎಸ್ ಅವರ ಪೂರ್ಣ ಹೆಸರೇನು?
32. ಗಾಂಧೀಜಿಯವರ ಅಸಹಕಾರ ಚಳುವಳಿಯಿಂದ ಆಕರ್ಷಿತರಾಗಿ ಶಿಕ್ಷಣಕ್ಕೆ ವಿದಾಯ ಹೇಳಿದ ಲೇಖಕ ಯಾರು?
33. 'ಚಂದ್ರನ ಕರೆಯಿರಿ ಭೂಮಿಗೆ' ಕವನಸಂಕಲನವನ್ನು ರಚಿಸಿದವರು ಯಾರು?
34. ಬಡತನದಿಂದ ಮೇಲೆದ್ದು ಬಂದ ಕಷ್ಟ ಮಹಿಳೆ ಯಾರು?
35. ಲಕ್ಷ್ಮೀಶ ಚೂಕ್ಕಾಡಿಯವರ ಸಹೋದರ ಕನ್ನಡದ ಖ್ಯಾತ ಕವಿ ಯಾರು?
36. ಬೇಂದ್ರೆಯವರ ಮೊದಲ ಕವನ, ಸಂಕಲನದ ಹೆಸರೇನು?

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**St Aloysius College (Autonomous), Mangaluru****B.A./B.Com./B.B.A./B.Sc./B.C.A. - Semester III SEMESTER DEGREE EXAMINATION****NOVEMBER - 2024****HINDI**

Time : 2 ½ Hours

Max. Marks : 60

**I.अ) किसी एक प्रश्न का उत्तर लिखिए :**

(1x5=05)

1. अनुवाद प्रक्रिया पर टिप्पणी लिखिए ।
2. निम्नलिखित अवतरण का अंग्रेजी में अनुवाद कीजिए :  
खाद्य पदार्थों में मिलावट एक घृणित धोखा है जो एक व्यक्ति द्वारा दूसरे व्यक्तियों के साथ किया जाता है । ज्यादा से ज्यादा पैसा कमाने के लिए लोगों के जीवन से खेलना क्रूरता है । मूलतः अनचाहे पदार्थ जैसे- धूल, अशुद्धियाँ, पत्थर के कण आदि को खाने के चीजों में मिलाया जा रहा है । इसके विशेष उदाहरण हैं दूध, मसाले, तेल, घी, दाल इत्यादि । यह न केवल लोगों से पैसा छीनने का तरीका है बल्कि उन्हें जहरीले और हानिकारक खाद्य पदार्थ खिलाकर उन्हें मूर्ख बनाना ही इनका मकसद है । वे लोगों के जीवन के साथ खिलवाड़ कर रहे हैं । खाद्य सामग्री क्रय करते समय हमें बहुत सावधान और सतर्क रहना चाहिए ।

**आ) किसी एक प्रश्न का उत्तर लिखिए :**

(1x5=05)

1. विद्यालय के क्रीडोत्सव पर प्रतिवेदन लेख लिखिए ।
2. कंप्यूटर की परिभाषा देते हुए अनुप्रयोग के आधार पर कंप्यूटर के प्रकारों को स्पष्ट कीजिए ।

**II. एक वाक्य में उत्तर लिखिए :**

(10x1=10)

1. कंप्यूटर को किस प्रकार की बुद्धि की संज्ञा दी गई है ?
2. रिपोर्टाज / प्रतिवेदन लेखन किसे कहते हैं ?
3. न जोड़ो, न तोड़ो का सिद्धांत किस अनुवाद में अपनाया जाता है ?
4. भारत में टेलीविशन का प्रारम्भ कब हुआ ?
5. समाचार के माध्यम कौन-से हैं ?
6. हाईब्रीड कंप्यूटर किसे कहते हैं ?
7. मीडिया लेखन का मूल उद्देश्य क्या है ?
8. व्यावहारिक अनुवाद किसे कहा जाता है ?
9. वेब साइट पर विशुद्ध पत्रकारिता शुरू करने का श्रेय किसे जाता है ?
10. Storage Device को सामान्य भाषा में क्या कहते हैं ?

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**III. एक वाक्य में उत्तर लिखिए :**

(10x1=10)

1. कलामजी की आँखों के सामने चलचित्र की तरह क्या घूम रही थी ?
2. मातादीन किस स्टाइल में जवाब दें रहे थे ?
3. किसने डॉ राजेन्द्र प्रसाद जी को स्टडी रूम में ले जाकर आशीर्वाद दिया ?
4. पहले युद्ध न करने का संकल्प किसने किया था ?
5. बेटा बीमार बाप की सेवा क्यों नहीं करता है ?
6. डॉ राजेन्द्र प्रसाद जी ने श्री पुरुषोत्तमदास टण्डन को कहाँ देखा था ?
7. राम के अनुज कौन है ?
8. रामराज के पुलिस लाइन में किसकी मूर्ती रखी गई थी ?
9. 'संशय की एक रात' खंडकाव्य के रचनाकार का नाम क्या है ?
10. प्रोफेसर ने क्या पहन रखा था ?

**IV.अ) निम्नलिखित किसी एक अवतरण का संदर्भ सहित व्याख्या कीजिए :**

(1x5=05)

1. "मैं हक्का-बक्का होकर प्रोफेसर की ओर देख रहा था । मैं हर क्लास में होशियार छात्र रहा था और किसी भी कार्य के लिए मुझे कभी भी टीचर की डॉट नहीं सुननी पड़ी ।"
2. "ऊपरी आमदनी तभी होगी जब वह अपराधी को पकड़ेगा । गरज कि वह अपराधों पर नजर रखेगा । सचेत, कर्तव्य परायण और भ्रष्टाचार को दूर करेगा । हमारे समाज के स्वच्छ और सक्षम प्रशासन का यही रहस्य है ।"

Contd...2

आ). निम्नलिखित किसी एक पद्यांश का संदर्भ सहित व्याख्या कीजिए :

1. "संधि या कि युद्ध  
टूटे संदर्भ की  
मात्र विवशता ही नहीं है ।  
नहीं हैं हम  
केवल परिचालित यंत्र मात्र  
किसी अदृश्य  
अंधे हाथों के ।"
2. "लेकिन पितात्मा!  
ये सब स्वीकारोक्तियाँ है  
सत्य नहीं।  
इनकी वास्तविकता को  
कभी चुनौता ही नहीं गया ।  
इन अंधे विश्वासों को  
किसी संशय ने निगला ही नहीं ।"

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V. किसी एक प्रश्न का उत्तर लिखिए :

(1x10=10)

1. डॉ. कलाम के जीवन से हमें क्या सीख मिलती है ? विस्तार से लिखिए ।
2. इच्छा और इच्छापूर्ति के संबंध में डॉ राजेंद्र प्रसाद के क्या विचार हैं ? स्पष्ट कीजिए ।

VI. किसी एक प्रश्न का उत्तर लिखिए :

(1x10=10)

1. 'संशय की एक रात' खंडकाव्य का उद्देश्य स्पष्ट कीजिए ।
2. 'संशय की एक रात' खंडकाव्य में वर्णित लक्ष्मण का चरित्र-चित्रण लिखिए ।

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## St Aloysius College (Autonomous)

### Mangaluru

#### B.Sc. Semester III – Degree Examination

November - 2024

## SANSKRIT

Time: 2½ hrs.

Max Marks: 60

- 1 श्लोकद्वयम् अनुवादं कृत्वा विवृणुत । 2 X 5 = 10
- 1.1 बालाग्रशतभागस्य शतधा कल्पितस्य च ।  
भागो जीवः सः विज्ञेयः स चानन्त्याय कल्पते ॥
- 1.2 एनां पुराणनगरीं नगरीतिसालां सालाभिरामभुजनिर्जितयक्षराजः ।  
हेलाभिभूतजगतां रजनीचराणां राजा चिरादवति रावणनामधेयः ॥
- 1.3 वक्त्रेण उत्पलनालेन यथोर्ध्वं जलमाददेत् ।  
तथा पवनसंयुक्तः पादैः पिबति पादपः ॥
- 1.4 असंशयं महाबाहो! मनो दुर्निग्रहं चलम् ।  
अभ्यासेन तु कौन्तेय वैराग्येण च गृह्यते ॥
- 2 चतुर्णां सन्दर्भसहितविवरणं लिखत । 3 X 4 = 12
- 2.1 मित्रो दाधार पृथिवीमुतद्याम् ।  
2.2 अहमेव तं हनिष्यामि ।  
2.3 मित्रो दाधार पृथिवीमुतद्याम् ।  
2.4 सर्वेषां जन्तूनां प्रवृत्तयः सुखमूलाः ।  
2.5 मोक्षो नाम दुःखत्रयात् मुक्तिः ।
- 3 त्रीन् प्रबन्धरूपेण उत्तरयत । 3 X 5 = 15
- 3.1 रामस्य अवतारनिर्धारं पाठोक्तरीत्या विवृणुत ।  
3.2 वृक्षायुर्वेदः – पाठोक्त विचारान् लिखत ।  
3.3 दिनचर्याप्रदीपिका – पाठोक्त विचारान् विषदयत ।  
3.4 पातञ्जलयोगदर्शनम् – पाठोक्त विचारान् विषदयत ।  
3.5 प्राचीनभारतीयविज्ञाने गणितशास्त्रमधिकृत्य लिखत ।
- 4 एकं संस्कृतेन टिप्पणीं लिखत । 1 X 6 = 06
- 4.1 रामायणम् ।  
4.2 आयुर्वेदः ।  
4.3 योगशास्त्रम् ।
- 5 द्वयोः टिप्पणीं लिखत । 2 X 4 = 08
- 5.1 प्राचीनभारतीयविज्ञानम् ।  
5.2 चम्पूकाव्यम् ।  
5.3 गणितशास्त्रम् ।
- 6 न्यायत्रयं विषदयत । 3 X 3 = 09
- 6.1 अन्धदर्पणन्यायः ।  
6.2 अरण्यरोदनन्यायः ।  
6.3 सिंहावलोकनन्यायः ।  
6.4 नष्टाश्चदग्धरधन्यायः ।  
6.5 सोपानारोहणन्यायः ।

(2021 batch onwards)

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**St Aloysius College (Autonomous)  
Mangaluru**

**B.A./B.Sc./B.Com./B.B.A./B.C.A Semester III – Degree Examination**

**November - 2024**

**MALAYALAM**

**Time: 2½ hrs.**

**Max Marks:60**

- I. താഴെ തന്നിരിക്കുന്ന മൂന്ന് ചോദ്യങ്ങളിൽ രണ്ടെണ്ണത്തിന് സന്ദർഭവും സാരസ്യവും എഴുതുക. (2x4=8)**
1. പരനിന വിശുന്ന വാളിനാൽ ചുളിപ്പോകാ,  
പരകോടിയിൽച്ചെന്ന പാവനദിവ്യസ്തേഹം
  2. ഒറ്റപ്പത്തിയോടായിരമുടലുകൾ  
കെട്ടുപിണഞ്ഞൊരു മണിനാഗം
  3. കൽപ്പന വരുന്നതും കാത്തിരിക്കവേ, നിന്റെ  
നിൽപ്പു ദൃഢം കാൺകെയൊരു സാഹസം ചെയ്തേൻ.
- II. താഴെ തന്നിരിക്കുന്ന രണ്ട് ചോദ്യങ്ങളിൽ ഒന്നിന് ഒരുപുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക. (1x8=8)**
4. സൂര്യനുമായി താരതമ്യം ചെയ്യുമ്പോൾ താനേറെ ചെറുതാണെന്ന അപകർഷതാബോധം സൂര്യകാന്തിയിലുണ്ട്. വിലയിരുത്തുക.
  5. ചങ്ങമ്പുഴയുടെ വർണനാപാടവം മനസ്സിലാക്കുന്ന കവിതയിൽ പ്രകടമാണ്. പരിശോധിക്കുക
- III. താഴെ തന്നിരിക്കുന്ന രണ്ട് ചോദ്യങ്ങളിൽ ഒന്നിന് ഒരുപുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക (1x8=8)**
6. ഫിൻലാന്റിലെ സൂര്യോത്സവത്തെ എസ്. കെ. പൊറ്റൊക്കാട്ട് ചിത്രീകരിച്ചിരിക്കുന്നത് എങ്ങനെ?
  7. കരുണാകരൻ മാസ്റ്ററെന്ന കഥാപാത്രത്തിന് കഥാകൃത്ത് നൽകിയിട്ടുള്ള സവിശേഷതകൾ എന്തെല്ലാം?
- IV. താഴെ തന്നിരിക്കുന്ന രണ്ട് ചോദ്യങ്ങളിൽ ഒന്നിന് ഒന്നര പുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക (1x10=10)**
8. മനുഷ്യനും ഒരു ആനയും തമ്മിലുള്ള ത്വിവ്രസ്തേഹത്തിന്റെ ആവിഷ്കാരമാണ് 'വളർത്തുമകൾ'. വിലയിരുത്തുക.
  9. മിസ്സിസിസിയം സിമ്പോളിസവും ഇടകലർന്ന കാവ്യമാണ് 'സൂര്യകാന്തി'. വിമർശനാത്മകമായി പരിശോധിക്കുക.
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- V. താഴെ തന്നിരിക്കുന്ന രണ്ട് ചോദ്യങ്ങളിൽ ഒന്നിന് ഒന്നര പുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക. (1x10=10)**
10. സത്യസന്ധവും ഹൃദയവുമായ യാത്രാവിവരണമാണ് 'പാതിരാസൂര്യന്റെ നാട്ടിൽ'. വിലയിരുത്തുക
  11. നിങ്ങൾ നടത്തിയ മറക്കാവാനാത്ത ഒരു യാത്രയെക്കുറിച്ച് ലഘുയാത്രാവിവരണം തയ്യാറാക്കുക.
- VI. താഴെ തന്നിരിക്കുന്ന രണ്ട് ചോദ്യങ്ങളിൽ ഒന്നിന് ഒന്നര പുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക (1x10=10)**
12. നഷ്ടപ്രണയത്തിന്റെ ഓർമയും ഒപ്പം അതിന്റെ വിണ്ടുടക്കലുമാണ് 'വാനപ്രസ്ഥം'. പരിശോധിക്കുക.
  13. പ്രതീക്ഷകളവസാനിക്കുന്ന കാലമല്ല വാർധക്യമെന്ന് തിരിച്ചറിയുന്നതോടൊപ്പം കഥാവസാനത്തിൽ ദുഃഖവും സന്തോഷവും കലർന്ന മാനസികാവസ്ഥയിലേക്കും കരുണാകരൻ മാസ്റ്റർ എത്തുന്നുണ്ട്. പരിശോധിക്കുക.
- VII. നിവേദനം തയ്യാറാക്കുക (1x6=6)**
14. ട്രെയിനിലെ യാത്രാപ്രശ്നം പരിഹരിക്കുന്നതിന് അധിക ജനറൽ കോച്ചുകൾ അനുവദിക്കണമെന്ന് ആവശ്യപ്പെട്ടുകൊണ്ട് റെയിൽവേ മന്ത്രിക്ക് നൽകാനായി ഒരു നിവേദനം തയ്യാറാക്കുക.

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(2021 batch onwards)

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**St Aloysius College (Autonomous)  
Mangaluru**

**B.A./ B.Com./B.B.A./B.Sc./B.C.A. - Semester III - Degree Examination  
November - 2024**

**FRENCH**

Max Marks: 60

Time: 2½ hrs.

**I. Mettez les verbes au conditionnel.**

(5x1=5)

1. Si vous étiez parfait, vous ..... (faire) du ski de fond.
2. Si tu as soif, ..... (boire) de l'eau
3. Je .....(acheter) une grande maison, si je gagnais le lotto.
4. S'il pense à vous, Il vous ..... (écrire)
5. Si j'étais à ta place, je .....(changer)tous.

**II. Rapporte des paroles**

(5x1=5)

1. 'Viens tout de suite !' dit la maman à son enfant. La maman dit à son enfant\_\_\_\_\_
2. 'Accepteras-tu de relire mon texte ?' Paul m'a demandé \_\_\_\_
3. «Je partirai par le train de 18 heures. »Il leur précise \_\_\_\_
4. « Où habites-tu ? » Je veux savoir\_\_\_\_\_
5. « Ne sortez pas tard ! » Le professeur dit\_\_\_\_\_

**III. Mettez les verbes au voix passive**

(5x1=5)

1. Un homme a renversé la voiture.
2. 2004, inauguration du pont de Millau.
3. Le banquier accepte la demande de credit. ST ALOYSIUS COLLEGE LIBRARY
4. Nos amies signent la petition. MANGALURU - 575 003
5. Les enfants ramassent les fruits.

**IV. Mettez les verbes au temps indiquez**

(5x1=5)

1. Les élèves \_\_\_\_\_(apprendre, imparfait) les verbes.
2. Je \_\_\_\_\_ (installer -passé composé) à Lille il y a deux semaines.
3. Ne fais pas de bruit, le bébé \_\_\_\_\_ (dormir, imparfait).
4. Vous (avoir, future simple) \_\_\_\_\_ tort de vous en priver.
5. Tu \_\_\_\_\_(pouvoir, future simple) choisir les questions faciles.

**V. Répondez aux questions**

(4x5=20)

1. Ecrivez l'histoire de 3 monuments en France.
2. Expliquez qu'est-ce que vous feriez - si vous gagniez une grosse somme d'argent?
3. Ecrivez une note sur Le Cinema Francals.
4. Discutez l'art Francals.

Contd...2

**VI. Dialogue****(10x1=10)**

- a) Un(e) ami(e) est parti(e) seul(e) en vacances dans un pays étranger. Elle devait rentrer il y a trois jours. Vous n'arrivez pas à avoir de ses Nouvelles.

**Ou**

- b) Vous devez faire une activité originale( promenade à cheval, tour sur les montagnes russes d'une foire etc) Mais deux d'entre vous ne sont pas d'accord.

**VII. COMPREHENSION****(10x1=10)**

Salut Stefano, Ma mère m'a dit que tu allais visiter Paris avec Georgia de lundi à mercredi. Trois jours, c'est parfait pour bien visiter Paris ! Voici donc l'itinéraire que je vous conseille. D'abord, je vous conseille de presque tout faire à pied, Paris est une ville faite pour la marche. Si vous prenez les transports en commun, prenez plutôt le bus. Comme ça, vous pourrez profiter de la vue contrairement au métro. Je sais que tu rêves de voir les champs Élysées, alors je vous conseille de commencer par là. Vous pourrez monter en haut de l'Arc de Triomphe. Ensuite, vous pourrez marcher jusqu'au Louvre. Pour y aller, c'est facile : c'est tout droit. Si vous voulez visiter le Musée du Louvre, je vous conseille de réserver vos places sur Internet, comme ça, vous ferez la queue moins longtemps (30 minutes maximum). Attention, presque tous les musées sont fermés le mardi à Paris ! Du coup, pour mardi, je vous conseille d'aller en haut de la tour Eiffel. Elle est ouverte tous les jours de l'année. C'est un grand classique à ne pas manquer. Ensuite, vous pourrez longer les quais de Seine jusqu'à la Cathédrale de Notre-Dame. Malgré l'incendie, la façade de devant reste très belle. Il y a aussi des restaurants sympas et pas chers dans le quartier Saint-Michel, juste à côté. Si vous avez encore du temps, je vous conseille de visiter l'intérieur du Panthéon. C'est mon bâtiment préféré de Paris, il est aussi ouvert le mardi. À l'intérieur, vous aurez l'impression d'être dans le jeu vidéo « Bioshock ». Il y a notamment une statue avec une citation que j'adore : « vivre libre ou mourir ». Pour le dernier jour, je vous conseille d'aller à Montmartre pour voir la Basilique du Sacré-Cœur. Pour le reste, laissez-vous porter par la ville et marchez au hasard, vous serez rarement déçus

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**Répondez aux questions:**

1. Qui va visiter Paris ?
2. Comment le narrateur conseille de visiter Paris ?
3. Pourquoi le narrateur conseille d'utiliser le bus comme transport en commun ?
4. Comment Stefano peut aller de l'Arc de Triomphe au Louvre ?
5. Que doit faire Stefano pour moins faire la queue au Musée du Louvre ?
6. Pourquoi Stefano doit faire attention le mardi à Paris ?
7. Quand est ouverte la tour Eiffel ?
8. Qu'est-ce qu'il y a dans le quartier Saint-Michel ?
9. Où peut-on voir une statue avec la citation «vivre libre ou mourir»?
10. Où le narrateur devrait aller mercredi ?

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**St Aloysius College (Autonomous), Mangaluru**  
**B.A./B.Com./B.B.A/B.Sc/B.C.A - Semester III Degree Examination**  
**November - 2024**  
**Additional English**  
**World Literature - I**

Time : 2 ½ Hours

Max. Marks : 60

**UNIT - I (PROSE)**

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

1. The British press is \_\_\_\_\_ from government censorship.
2. True or False: Swami Vivekananda speaks in favor of religion as central to Indian culture.
3. The author argues that without a free press there can be no \_\_\_\_\_
4. The letter titled "The Spirit of Freedom" is addressed to  
a) Tagore's countrymen      b) German citizens      c) people of America
5. Swami Vivekananda says that \_\_\_\_\_ is life and \_\_\_\_\_ is death

**B. Answer any FOUR of the following in about 150-180 words each: (4x5=20)**

1. Describe Swami Vivekananda's concept of motherland in the context of the work "India: Our Motherland".
2. How does advertising impact the media landscape as discussed by Sayers in "How Free is the Press".
3. Discuss Sayers' critique of the modern press's tendency towards sensationalism and inaccurate reporting.
4. Compare and contrast the image of India projected through the essays- "India: Our Motherland" and "The Spirit of Freedom".
5. Elaborate on Swami Vivekananda's views on the cultural and religious heritage of India with reference to the essay "India: Our Motherland".
6. Elaborate on Tagore's idea of freedom.

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**UNIT - II (POETRY)**

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

1. What are some examples or situations mentioned in the poem "Stay Calm" where staying calm is advised?
2. Explain "If you can keep your head when all about you/ Are losing theirs and blaming it on you". Discuss with reference to the poem "If".
3. What is the central theme of the poem "Success is Counted Sweetest"?
4. "Rudyard Kipling present the themes of hope and fear in the poem "If"". Discuss.

**UNIT - III (NOVEL)**

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

1. How does the novel *Train to Pakistan* address the theme of community and the bonds that form between people in times of crisis?
2. Compare and contrast the characters of Juggut Singh and Iqbal in the novel *Train to Pakistan*.
3. Discuss the theme of violence and its consequences in the novel *Train to Pakistan*.

**UNIT - IV (GRAMMAR AND WRITING SKILLS)**

**IV.A. Give one-word substitutes choosing the right word given in the brackets: (5x1=5)**

1. A remedy for all diseases  
a) Medicine      b) medical      c) medica      d) panacea
2. A person pretending to be somebody he is not  
a) Magician      b) rogue      c) liar      d) imposter
3. One who cannot be changed or reformed  
a) Invulnerable      b) Hardened      c) Incurable      d) Incurable
4. A trite stereotyped expression:  
a) Cliché      b) Proverb      c) Idiom      d) Buzzword
5. The mistake of placing something in the wrong period of time  
a) Misdate      b) Anachronism      c) Misplacement      d) Prolepsis

**B. Write a dialogue in about 150 words in five turns: (1x5=5)**

Write a dialogue between two friends discussing if science is a blessing or a curse?

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(2021 Batch onwards)

G 739 LA 8.3

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

**B.A. /B.Sc./B.Com /B.B.A./B.C.A. Semester III - Degree Examination**

**November - 2024**

**KONKANI**

**Time: 2 ½ Hours**

**Max. Marks: 60**

**UNIT - I**

I ಖಿಂಚಾಯ್ ಎಕಾ ಕವನಾಚೊ ಸಾರಾಂಶ್ ಬರಯಾ.

**(1×5=5)**

**Khanchai eka kavanacho saransh boroya**

**खन्चय एक कवनचो सरन्श बोरोय**

1) ಗಾಂವ್ ಗೊ ಚೆಡ್ವಾ ಮ್ಹಜೊ ಗಾಂವ್ ಗೊ  
ಬಾರಾ ಗಾಂವ್ ಭರ್ ತಾಚೆಂ ನಾಂವ್ ಗೊ  
ವ್ಹಡ್ವಿಕಾಯ್ ಕಾಂಯ್ ಸಾಂಗ್ಲಿ ನ್ಹಯ್  
ಪಳೆಲ್ಯಾ ಖಿರಿತ್ ತುಕಾ ಕಳ್ಳಿ ನ್ಹಯ್  
ಗಾಂವಾಕ್ ಯೇಗೊ ಮಾಗಿರ್ ಸಾಂಗ್ ಗೊ  
ದುದಾ ಮ್ಹೊಂವಾಂಚೊ ಮ್ಹಜೊ ಗಾಂವ್  
ಗೊ

ganv go chedva muzo  
ganv go  
bara ganv bhar tache  
nanv go  
vadvikay kany  
sangchi nay  
polleya kharit tuka  
kallchi nay  
ganvk ye go  
magir sang go  
duda movancho  
muzo ganv go

गन्वगो चेड्वा मुजो गन्वगो  
बरा गन्व भर तचे नन्व गो  
वोड्विकय कय सगन्चि नय  
पोळेल्ल खरित तुक कळिच  
नय  
गन्वन्क ये गो मगिर सन्ग  
गो  
दुदा. मोवान्चो मुजो गान्व गो

2) ದೊಳೆ ಧಾಂಪುನ್ ದೂದ್ ಪಿಯೆಂವ್ಚಿ  
ಸವಯ್ ತಾಣಿ ಸೊಡ್ಲಾ  
ಆತಾಂ ತೆಂ ದೊಳೆ ಉಗ್ತೆಂಚ್ ದವನ್  
ದೂದ್ ಪಿಯೆಂವ್ಚ್ ಸರಯ್ತಾ

Dolle dhnpun dood  
piyenvchi  
Savay tanne sodl'lya  
Atam tem dolle ugtench  
davarn  
Dood piyevn sarayta

दोळें दंपुन दूद पियेन्चि  
सवय तणें सोड्ल्ल  
अत तें दोळे उग्तेंच दोवोर्न  
दुद पियेन् सरयत

II ಎಕಾ ವಾಕ್ಯನ್ ಜಾಪ್ ಬರಯಾ. Eka vakyan zap boroya

एक वक्यान ज़प बोरोय

**(5×1=5)**

1) ಖಿಡಾಪಚೆ ಪೂರ್ನ್ ನಾಂವ್ ಕಿತೆಂ?

Khadapache poornn nanv kite?

खडपचे पूर्ण नव कितें?

2) ಪಿ.ಎಲ್.ಬಿ. ಕೊಣಾಚೆ ಕಾವ್ಯನಾಮ್ ಜಾವ್ನಾಸಾ?

PLB konnache kavyanam zavnsa?

पि एल बि कोणचे कव्यनाम ज़लस

3) ಪೊಲ್ಲಿ ಕವಿತಾ ಪುಸ್ತಕ್ ಕೊಣೆ ಪರ್ಗಟ್ ಕೆಲ್ಲೆಂ?

Povlli kavita pustak konne pargat kel'lem?

पोळि कवित पुस्तक कोणें पर्गट केल्लें?

4) ಕೊಣ್ ಬುದ್ವಾಂತ್ ಜಾಲಾ?

Konn budwant zala?

कोण बुद्धन्त ज़ला?

5) ಕೊಣಾಚ್ಯಾ ಮೆಳಿಂತ್ ಸಮಾಜ್ ಸಾರೆಂ ಜಾತಾ?

Konnacha mellint samaz sareem zata?

कोणच्य मेळिन्त समज़ सरें ज़त?

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**Contd...2**

III ಖಂಚಾಯ್ ಎಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯಾ.

(1×5=5)

**Khanchai eka savalak zap boroya.**

खन्चय एक सवलक ज़प बोरोय

1) ಬಾಬಚ್ಯಾ ಪಿಡೆಕ್ ಆನಿ ಮಾಂಯ್ಚ್ಯಾ ಪಿಡೆಕ್ ಆಸೊ ವ್ಯತ್ಯಾಸ್ ಕಳಯಾ

Babachya pidek ani maichya pidek ascho vytyas kallaya

बबच्य पिडेक अनि मैच्य पिडेक असचो व्यत्यस कळय

2) ಕವಿ ಪ್ರಕಾರ್ ಕೋಣ್ ನಿದೊನ್ ಉರ್ಲಾ ಕಳಯಾ

Kavi prakar konn nidon urla kallaya

कवि प्रकर कोण निदोन उर्ल कळय

### UNIT - II

I ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ: **savalank zap boroya** ಸವಲಾಂಕ್ ಜಪ ಬೋರಿಯ

(5×1=5)

1. ಹಿಪ್ಪಿ ಚಲಿಯೆಚೆ ನಾಂವ್ ಕಿತೆಂ? ಆನಿ ಖಂಚಾ ಗಾಂವ್ಚಿಂ?

hippi chaliyeche nanv kitem? Ani khancha gavnychim?

हिप्पि चलियेचे नन्व किते? अनि खन्च गवचि?

2. ಗಾಂ ಆಶಿಂಚ್ಚ್ ವಾಂವ್ ಕಾಣಿಯೆಚೊ ಬರಯ್ಣಾರ್ ಕೋಣ್?

Gana axinch vavnta kanniyecho boroinnar konn?

गांग अशिन्च ववंत कणियेचो बोरोइणर कोण?

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3. ಶೆಣೈ ಗೊಂಯ್ ಬಾಬಚೆ ಪೂರ್ಣ್ ನಾಂವ್ ಕಿತೆಂ?

Shenai Gony babache poornn nanv kitem?

शेणय गोय बबचे पूर्ण नन्व किते?

4. ಕೋಣ್ ದೆವಾ ಲಾಗಿಂ ಸವಲಾಂ ಕರ್ತಾ?

Konn deva lagim savalam karta?

कोण देव लागि सवल करत

5. 'ಶೆಣೈ, ಪೂಲ್ ಜಾಲೆಂ' ಹಿಂ ಉತ್ರಾಂ ಕೊಣಾಚಿ?

'xenai, phool zalem' him utram konnachi?

शेणय, फूल जले' हि उत्र कोणचि?

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

खन्चय एक पत्राचि परिचय दिय

(5)

1. ವಾಸಂತಿ vasanti वसंति

2. 'ಬಾ' 'ba' 'बा'

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

1. ಅಪ್ಪುಶೆಣೈಕ್ ಪ್ರಸಾದ ಫೂಲ್ ಜಾಲ್ಯಾ ವಿಶಿಂ ಬರಯಾ.

Appu xennaik prasada phool zal'lya vixi boroy.

अपु शैणैक प्रसद फूल जल्लय विशि बोरोय

2. ಸಿಂಡ್ರೆಲ್ಲಾ ಥಂಯ್ ಜಾಲ್ಲಿ ಬದ್ಲಾವಣ್ ವಿವರ್ಸಿಯಾ.

Cyndrella thay zal'li badlavann vivarsiy.

सिन्द्रेल थय जल्लि बदलवण विवर्सि

### UNIT - III

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

1. ಬಂಗಾರ್ ಮುನಿಸ್ ಕೋಣ್?

Bangar munis konn?

बंगर मुनिस कोण?

2. ಚಾ.ಫ್ರಾ.ಚೆ ಸಗ್ಲೆ ನಾಂವ್ ಕಿತೆಂ?

Cha.fra.che sagl'le nanv kitem?

च.फ्र.चे सगलें नंव कितें

3. ಚಾ.ಫ್ರಾ.ಕ್ ಕಸಲಿ ಪ್ರಶಸ್ತಿ ಫಾವೊ ಜಾಲ್ಯಾ?

Cha.fra.k kasali praxasti phavo zalya?

च.फ्र.क कसलि प्रशस्ति फवो जल्य?

4. ಸೊಂಶಾಚೆ ಕಾನ್ ಕಿತೆಂ ಜಾವ್ನಾಸಾ?

Soxache kan kitem zavNASA?

सोशचे कन कितें जलस?

5. ಚಾ.ಫ್ರಾ.ಚೆ ಜನನ್ ಕೆನ್ನಾ ಜಾಲೆಂ?

Cha.fra.che janan kenna zalem?

च.फ्र.चे जनन केन्न जलें?

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II ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ. खन्चय एक सवालक ज़प बोरोय (2×5=10)

1. 'ಸತ್ ಆನಿ ಫೊಟ್ ಮೊನ್ನಾ ಮನ್ಯಾಚ್ಯಾ ಮರ್ಯಾದಿಚೆ ಹಾತೆರ್' ಕೊಣೆಂ ಕೊಣಾಕ್ ಖಿಯ್ಜಾತ್ ಸಂದರ್ಭಾರ್ ಸಾಂಗ್ಲಿ ಉತ್ರಾಂ ಜಾವ್ನಾಸಾತ್

'sat ani phot monna manxyachya maryadiche hater' konne konnak khnychya sandarbhar sangl'li utram javnasat?

'सत अनि फोट मोन्न मुन्शच मर्यदिचे हतेर' कोणें कोणक खंच संदूबर संग्लि उत्र जलसत

2. 'ಬಂಗಾರ್ ಮುನಿಸ್' ಪ್ರಸ್ತುತ್ ಕಾಳಾರ್ ಸಮಕಾಲೀನ್ ಮುಣ್ ಭೊಗ್ತಾಗೀ ವಿವರ್ಸಿಯಾ

'bangar mhnis' prastut kallar samakalin munn bhogtagi vivarsia.

'बंगर मुनिस' प्रस्तुत कळर समकलिन मुण भोग्तागि विवर्सिय

Contd...4

## UNIT - IV

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

1. ಪತ್ರಚಿ ಮುಖ್ಯ ಲಕ್ಷಣ ಕಿತೆಂ

Patrache mukhy lakxann kitem?

पत्रचे मुख्य लक्षण किते?

2. ಜಾಹೀರಾತ್ ಮುಲ್ಯಾರ್ ಕಿತೆಂ?

Jahirat mullyar kitem?

जहिरत मुळयर कितें

3. ವೈವಾಟಚಿ ಪತ್ರಾಂ ಬರೈತಾನಾ ಹಸ್ತಾಕ್ಷರ್ ಗರ್ಜೆಚಿ ನೀ?

Vaivatachi patram boroitana hastakxar garjechi gi?

वैवटचि पत्र बोरोयतना हस्तक़र गर्जेचिगि?

4. ಪರಿಪತ್ರ್ ಮುಲ್ಯಾರ್ ಕಿತೆಂ?

Paripatr mullyar kitem?

परिपत्र मुळयर कितें?

5. ವೈವಾಟಚ್ಯಾ ಖಿಂಚಾಯ್‌ಎಕ ಪತ್ರಕ್ ಉದಾಹರಣ್ ದಿಯಾ.

Vaivatachya khinchay yeka patrak udaharann diya

वैवटच्य खंच्य येक पत्रक उदहरण दिय

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

1. 'ಸಾಂ.ಲೂವಿಸ್ ಪುಸ್ತಕ್ ಭಂಡಾರ್' ಉಗ್ತಾವಣ್ ಕಾರ್ಯಾಚಿ ಆಮಂತ್ರಣ್ ಪತ್ರ್ ತಯಾರ್ ಕರಾ

'sa.luviss pustak bhndar' ugtavann karyache amantrann part tayar kara

'स. लुविस पुस्तक बंदर' उगतवण कर्यचे अमंत्रण पत्र तयर करा

2. ಕೊಂಕ್ಣಿ ಮಾನ್ಯತಾ ದಿವಸಾಚಿ ವರ್ಧಿ ಬರಯಾ

Konknni manyata divasachi vardi baraya

कोंकणि मन्यत दिवसचि वर्दि बरय

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