(2024 Batch Onwards)

AH4CUDC154 Reg. No. : | | | | | | | | |

St Aloysius (Deemed To Be University)

Mangaluru

B.Sc.- SEMESTER II – Degree Examination

April/May – 2025

ECONOMICS – II

MACRO ECONOMICS

Time: 2½ Hours **Max. Marks: 60**

SECTION - A

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

1. Give the meaning of full employment.
2. Give the meaning of welfare economics.
3. What is inflationary gap?
4. What is stagflation?
5. State Hick's theory of business cycle.
6. What is the subject matter of public finance?
7. What are public goods?
8. Give the meaning of Laffer curve.

SECTION - B

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

9. Explain the problems in measuring welfare.
10. Briefly explain Say's market law.
11. Explain the types of business cycles.
12. Briefly explain the determinants of investment function.
13. Briefly explain working of the multiplier.
14. Explain the causes of deflation.
15. Write a note on the life cycle hypothesis.
16. Distinguish between public and private goods.
17. Briefly explain the canons of taxation.

SECTION – C

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

18. Explain the scope and uses of macroeconomics.
19. Explain the Keynesian theory of employment.
20. Explain the effects of inflation.
21. Distinguish between public and private finance.

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(2024 batch onwards)

AH4DUVE132

Reg. No: | | | | | | | | |

St Aloysius (Deemed to be University)
Mangaluru
B.A / B.Sc./B.C.A. - Semester II – Degree Examination
April / May - 2025
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)**

1. Why do we need Human Rights?
   ನಮಗೆ ಮಾನವ ಹಕ್ಕುಗಳು ಏಕೆ ಬೇಕು?
2. Name two International Covenants.
   ಎರಡು ಅಂತರರಾಷ್ಟ್ರೀಯ ಒಪ್ಪಂದಗಳನ್ನು ಹೆಸರಿಸಿ.
3. What is an identity crisis in the context of transgender individuals?
   ಟ್ರಾನ್ಸ್ಜೆಂಡರ್ ವ್ಯಕ್ತಿಗಳಲ್ಲಿ "ಗುರುತಿಸುವಿಕೆಯ ಬಿಕ್ಕಟ್ಟು" ಎಂದರೇನು?
4. Expand ILO.
   ಐ.ಎಲ್.ಓ. ಅನ್ನು ವಿಸ್ತರಿಸಿ.
5. Name the Founder of PUCL.
   ಪಿ.ಯು.ಸಿ.ಎಲ್ ನ ಸ್ಥಾಪಕರನ್ನು ಹೆಸರಿಸಿ.

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

6. Olga Tellis, a lady journalist, along with PUCL filed a writ petition under Article 32 of the Constitution of India. This petition challenged forcible eviction of street vendors and slum dwellers by the Bombay Municipal Council. The petitioner argued the present order violates the right to life, livelihood and rehabilitation as guaranteed by the Indian Constitution.
   Answer the following questions:
   1. Write any two economic rights mentioned in Universal Declaration of Human Rights.**(2)**
   2. In the context of above case explain how first and second-generation rights are interconnected? **(3)**

   ಮಹಿಳಾ ಪತ್ರಕರ್ತೆ ಓಲ್ಗಾ ಟೆಲ್ಲಿಸ್, ಪಿಯುಸಿಎಲ್ ಜೊತೆಗೆ ಭಾರತದ ಸಂವಿಧಾನದ 32 ನೇ ವಿಧಿಯ ಅಡಿಯಲ್ಲಿ ರಿಟ್ ಅರ್ಜಿಯನ್ನು ಸಲ್ಲಿಸಿದರು. ಈ ಅರ್ಜಿಯು ಬಾಂಬೆ ಮುನ್ಸಿಪಲ್ ಕೌನ್ಸಿಲ್ ಬೀದಿ ವ್ಯಾಪಾರಿ ಮತ್ತು ಕೊಳೆಗೇರಿ ನಿವಾಸಿಗಳನ್ನು ಬಲವಂತವಾಗಿ ಹೊರಹಾಕುವುದನ್ನು ಪ್ರಶ್ನಿಸಿತು. ಅರ್ಜಿದಾರರು ಈ ಆದೇಶವು ಭಾರತೀಯ ಸಂವಿಧಾನವು ಖಾತರಿಪಡಿಸಿದ ಜೀವನ, ಜೀವನೋಪಾಯ ಮತ್ತು ಪುನರ್ವಸತಿ ಹಕ್ಕನ್ನು ಉಲ್ಲಂಘಿಸುತ್ತದೆ ಎಂದು ವಾದಿಸಿದರು.
   ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ:
   1. ಮಾನವ ಹಕ್ಕುಗಳ ಸಾರ್ವತ್ರಿಕ ಘೋಷಣೆಯಲ್ಲಿ ಉಲ್ಲೇಖಿಸಲಾದ ಯಾವುದೇ ಎರಡು ಆರ್ಥಿಕ ಹಕ್ಕುಗಳನ್ನು ಬರೆಯಿರಿ.**(2)**
   2. ಮೇಲಿನ ಪ್ರಕರಣದ ಸಂದರ್ಭದಲ್ಲಿ ಮೊದಲ ಮತ್ತು ಎರಡನೇ ತಲೆಮಾರಿನ ಹಕ್ಕುಗಳು ಹೇಗೆ ಪರಸ್ಪರ ಸಂಬಂಧ ಹೊಂದಿವೆ ಎಂಬುದನ್ನು ವಿವರಿಸಿ? **(3)**
7. Differentiate Human Rights and Citizenship Rights.
   ಮಾನವ ಹಕ್ಕುಗಳು ಮತ್ತು ಪೌರತ್ವ ಹಕ್ಕುಗಳನ್ನು ಪ್ರತ್ಯೇಕಿಸಿ.

Contd...2

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

8. Explain Human Rights enumerated in UDHR.
ಯು.ಡಿ.ಹೆಚ್.ಆರ್. ನಲ್ಲಿ ನಮೂದಿಸಲಾದ ಮಾನವ ಹಕ್ಕುಗಳನ್ನು ವಿವರಿಸಿ.

9. Describe the key characteristics of Indigenous populations and identify the specific challenges faced by Adivasis in India.
ಮೂಲ ನಿವಾಸಿಗಳ ಪ್ರಮುಖ ಗುಣಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿ ಮತ್ತು ಭಾರತದಲ್ಲಿ ಆದಿವಾಸಿಗಳು ಎದುರಿಸುತ್ತಿರುವ ನಿರ್ದಿಷ್ಟ ಸವಾಲುಗಳನ್ನು ಗುರುತಿಸಿ.

IV. Answer any ONE of the following in 30-35 sentences each. (15x1=15)

10. Explain the History, Structure and Activities of Amnesty International.
ಅಮ್ನೆಸ್ಟಿ ಇಂಟರ್‌ನ್ಯಾಷನಲ್‌ನ ಇತಿಹಾಸ, ರಚನೆ ಮತ್ತು ಚಟುವಟಿಕೆಗಳನ್ನು ವಿವರಿಸಿ

11. Explain the composition, power, and functions of NHRC.
ಮಾನವ ಹಕ್ಕುಗಳ ಆಯೋಗದ ರಚನೆ, ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯವನ್ನು ವಿವರಿಸಿರಿ.

PART – B
VALUE EDUCATION (II Semester)

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

12. Why is it important to develop sexual values in individuals?
ವ್ಯಕ್ತಿಗಳಲ್ಲಿ ಲೈಂಗಿಕ ಮೌಲ್ಯಗಳನ್ನು ಬೆಳೆಸುವುದು ಏಕೆ ಮುಖ್ಯ?

13. Write a note misconception about counselling.
ಕೌನ್ಸೆಲಿಂಗ್ ಬಗ್ಗೆ ಇರುವ ತಪ್ಪು ಕಲ್ಪನೆಯನ್ನು ಟಿಪ್ಪಣಿ ಮಾಡಿ.

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

14. What do you mean by stress? Suggest practical ways to manage it.
ಒತ್ತಡ ಎಂದರೆ ನಿಮ್ಮ ಅರ್ಥವೇನು? ಅದನ್ನು ನಿರ್ವಹಿಸಲು ಪ್ರಾಯೋಗಿಕ ಮಾರ್ಗಗಳನ್ನು ಸೂಚಿಸಿ.

15. What is substance abuse? Discuss the impact of alcoholism on the family.
ಮಾದಕ ವ್ಯಸನ ಎಂದರೇನು? ಕುಟುಂಬದ ಮೇಲೆ ಮದ್ಯಪಾನದ ಪರಿಣಾಮದ ಬಗ್ಗೆ ಚರ್ಚಿಸಿ.

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(2024 Batch onwards)

AH4GUDC160/AH4HUDC161

Reg No : | | | | | | | | | |

St. Aloysius (Deemed To Be University)
Mangaluru
B.A./B.Sc. Semester II - Degree Examination
April/ May - 2025
PSYCHOLOGY
FOUNDATIONS OF BEHAVIOUR - II

Time : 2 ½ Hours **Max. Marks : 60**

PART - A

I Answer any FIVE questions from the following: (2×5=10)

1. What are Dreams according to Freud?
2. What is TOT?
3. Define Motivation.
4. What is the difference between unconscious and preconscious?
5. What Is inter stimulus Interval?
6. What is facial feedback hypothesis?

PART – B

II Answer any TWO questions in not more than a page each. (5x2=10)

7. Discuss the techniques to (mnemonic) enhance memory.
8. With a note on the theories of motivation.
9. Write a note on the Big five Factor.

III Answer the following questions in not more than three pages each. (10x4=40)

10.a. Highlight the importance and changes that occur in different stages of sleep.

OR

b. Discusss the purpose and need for sleep with reference to the theories of sleep.

11.a. The goal of Punishment is to weaken the response. Explain the factors that make punishment effective and the dangers of punishment.

OR

b. Behaviour is goal directed rather than the outcome of reinforcement. Elucidate with reference to Bandura's observation learning.

12.a. Briefly explain the biological and social components of physiological drives.

OR

b. Explain the theories of emotions.

13.a. Describe projective tests.

OR

b. Mental retardation can be classified based on the level of function. Explain.

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(2024 Batch onwards)

AH4JUDC163 Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

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

April - 2025

HISTORY OF VISUAL ART

Time: 2½ hrs. **Max Marks: 60**

SECTION - A

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

1. Natya
2. Rasa Theory
3. Bengal School
4. Vibhava
5. Abanindranath tagore
6. Graffiti
7. Pop art

SECTION – B

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

8. List some of the characteristics of Installation Art.
9. Explain in detail any two famous examples of narrative art in classical paintings.
10. What is visual storytelling, and why is it important in communication?
11. Outline the differences of Buddha statues found in Gandharva & Mathura School of arts.
12. Define the Indian Renaissance and its historical context.
13. What is Cubism, and when did it emerge as an artistic movement?

SECTION – C

Answer any TWO of the following. **(2x15=30)**

14. What were some common themes and subjects depicted in Mesopotamian art, such as gods, kings, and mythical creatures?
15. Comment on Impressionist movement and briefly write a note Impressionist artist
16. Explain any two common software used in digital art creation?

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(2024 Batch onwards)

AH4JUDC164 Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

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

April - 2025

PRINT DESIGN AND PRODUCTION

Time: 2½ hrs. Max Marks: 60

SECTION - A

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

1. Matte and Glossy finish
2. Film poster
3. Alignment
4. Typography
5. Canva
6. Font Color
7. CM-YK

SECTION - B

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

8. Recall the key principles of typography in digital design. Explain how font choice and text formatting impact the visual appeal of a digital layout.
9. Analyze the role of paper weight and thickness in print design, discussing how they affect the tactile and visual experience of printed materials.
10. Describe the invention of the printing press by Johannes Gutenberg and its impact on the spread of information.
11. What is visual hierarchy and explain the role of visual hierarchy Print design.
12. Define the term "layout" in the context of print design. Provide examples of common elements found in a layout.
13. Explain the difference between RGB and CMYK color model.

SECTION – C

Answer any TWO of the following. (2x15=30)

14. What is the importance of typography in both digital and print design?
15. Define the term "Magazine cover" and explain in detail the elements of magazine cover design
16. Identify key milestones in the history of print design from ancient civilization to the digital age.

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(2024 Batch onwards)

AH4JUDC165 Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

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

April- 2025

BRANDING

Time: 2½ hrs. **Max Marks: 60**

SECTION- A

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

1. Define branding.
2. Give 2 examples of Indian failed brands of rebranding
3. What is the importance of using characters in a product advertisement?
4. What is the role of packaging in brand recognition?
5. What is brand identity?
6. Mention at least four Brand Elements
7. What is the concept of "mobile-first" design in web development?

SECTION - B

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

8. What is the difference between UI and UX in web design? Briefly describe their roles.
9. Describe how you would position a new product in the market to appeal to its target audience and stand out from competitors.
10. Define brand positioning and explain how it helps a brand differentiate itself in the market and attract its target audience
11. Define brand elements and explain the key components, such as brand names, logos, URLs, taglines, and slogans.
12. Explain the basic purpose of business cards and annual reports in the context of brand elements.
13. Describe the meaning and goals of visual identity design.

SECTION – C

Answer any TWO of the following. **(2x15=30)**

14. Discuss the stages Rebranding. Explain its advantages & disadvantages with relevant examples.
15. Discuss the different approaches to site navigation design. Explain the pros and cons of each approach in terms of usability, visual appeal, and mobile optimization.
16. Explain the steps involved in creating an advertisement and evaluate how advertising process aligns with brands visual identity

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IT3AUVE133

(2024 Batch onwards)

Reg. No.: | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

B.A./B.Sc./B.C.A. Semester II – Degree Examination

April/May - 2025

DIGITAL FLUENCY

Time: 2 hrs. **Max Marks: 50**

PART – A **(15×1=15)**

Answer ALL the following questions.

1. Give one example of an AI application in healthcare.
   ಆರೋಗ್ಯ ಸೇವೆಯಲ್ಲಿ AI ಅನ್ವಯದ ಒಂದು ಉದಾಹರಣೆ ಕೊಡಿ.
2. Which of the following is an example of malware?
   ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದೊಂದು ಮಾಲ್‌ವೇರ್‌ನ ಉದಾಹರಣೆ?
   a) Microsoft Word: ಮೈಕ್ರೋಸಾಫ್ಟ್ ವರ್ಡ್
   b) Trojan Horse: ಟ್ರೋಜನ್ ಹಾರ್ಸ್
   c) Google Chrome: ಗೂಗಲ್ ಕ್ರೋಮ್
   d) Windows Operating System: ವಿಂಡೋಸ್ ಆಪರೇಟಿಂಗ್ ಸಿಸ್ಟಮ್
3. What is Artificial Intelligence (AI)?
   ಕೃತಕ ಬುದ್ಧಿಮತ್ತೆ (AI) ಎಂದರೇನು?

4. Which of these is an example of strong password practice?
   ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ಬಲವಾದ ಪಾಸ್‌ವರ್ಡ್ ಅಭ್ಯಾಸದ ಉದಾಹರಣೆ?
   a) Using "password123" for all accounts
      "password123" ಅನ್ನು ಎಲ್ಲಾ ಖಾತೆಗಳಿಗೆ ಬಳಸುವುದು
   b) Using a mix of uppercase, lowercase, numbers, and symbols
      ದೊಡ್ಡಕ್ಷರ, ಸಣ್ಣಕ್ಷರ, ಸಂಖ್ಯೆಗಳು ಮತ್ತು ಚಿಹ್ನೆಗಳ ಮಿಶ್ರಣ ಬಳಸುವುದು
   c) Using the same password for all accounts ಎಲ್ಲಾ ಖಾತೆಗಳಿಗೆ ಅದೇ ಪಾಸ್‌ವರ್ಡ್ ಬಳಸುವುದು
   d) Sharing your password with friends ನಿಮ್ಮ ಪಾಸ್‌ವರ್ಡ್ ಸ್ನೇಹಿತರೊಂದಿಗೆ ಹಂಚಿಕೊಳ್ಳುವುದು
5. What is cloud computing? ಕ್ಲೌಡ್ ಕಂಪ್ಯೂಟಿಂಗ್ ಎಂದರೇನು?
   a) Using computer resources over the internet. ಇಂಟರ್ನೆಟ್‌ನಲ್ಲಿ ಕಂಪ್ಯೂಟರ್ ಸಂಪತ್ತನ್ನು ಬಳಸುವುದು
   b) Storing data on a physical hard drive. ಡೇಟಾವನ್ನು ಭೌತಿಕ ಹಾರ್ಡ್ ಡ್ರೈವ್‌ನಲ್ಲಿ ಸಂಗ್ರಹಿಸುವುದು
   c) Running applications without the internet. ಇಂಟರ್ನೆಟ್ ಇಲ್ಲದೇ ಅಪ್ಲಿಕೇಶನ್‌ಗಳನ್ನು ಚಲಾಯಿಸುವುದು
   d) A type of computer programming language
      ಒಂದು ಕಂಪ್ಯೂಟರ್ ಪ್ರೋಗ್ರಾಮಿಂಗ್ ಭಾಷೆಯ ಒಂದು ರೂಪ
6. Why is teamwork important in problem-solving?
   ಸಮಸ್ಯೆ ಪರಿಹಾರದಲ್ಲಿ ತಂಡ ಕಾರ್ಯಪದ್ಧತಿ ಏಕೆ ಮುಖ್ಯ?
7. What does IoT stand for? IoT ಎಂದರೇನು?
8. What does "Phishing" refer to in cybersecurity?
   ಸೈಬರ್‌ಸಿಕ್ಯೂರಿಟಿಯಲ್ಲಿ "ಫಿಷಿಂಗ್" ಎಂದರೇನು?
   a) A type of malware ಮಾಲ್‌ವೇರ್ ಪ್ರಕಾರ
   b) A fraudulent attempt to obtain sensitive information
      ಸಂವೇದನಶೀಲ ಮಾಹಿತಿಯನ್ನು ಪಡೆದುಕೊಳ್ಳಲು ಮಾಡಲಾಗುವ ವಂಚನೆ
   c) A method to encrypt data ಡೇಟಾವನ್ನು ಎನ್‌ಕ್ರಿಪ್ಟ್ ಮಾಡುವ ವಿಧಾನ
   d) A software development technique ಸಾಫ್ಟ್‌ವೇರ್ ಡೆವಲಪ್‌ಮೆಂಟ್ ತಂತ್ರ

Contd...2

IT3AUVE133

9. Critical thinking involves: ವಿಮರ್ಶಾತ್ಮಕ ಚಿಂತನೆಯು ಒಳಗೊಂಡಿರುವುದು:
   a) Making assumptions without analysis ವಿಶ್ಲೇಷಣೆ ಮಾಡದೆ ಊಹೆಗಳು ಮಾಡುವುದು
   b) Relying on guesses ಊಹೆಗಳ ಮೇಲೆ ಅವಲಂಬಿತವಾಗಿರುವುದು
   c) Rationally analyzing and solving problems ತರ್ಕಪೂರಿತವಾಗಿ ವಿಶ್ಲೇಷಿಸಿ ಸಮಸ್ಯೆ ಪರಿಹರಿಸುವುದು
   d) Ignoring alternative perspectives ಪರ್ಯಾಯ ದೃಷ್ಟಿಕೋನಗಳನ್ನು ನಿರ್ಲಕ್ಷಿಸುವುದು
10. Give one reason why good communication skills are important.
    ಉತ್ತಮ ಸಂವಹನ ಕೌಶಲ್ಯಗಳು ಏಕೆ ಮುಖ್ಯ ಎಂಬುದಕ್ಕೆ ಒಂದು ಕಾರಣ ಕೊಡಿ
11. Which of the following is NOT an example of teamwork skills?
    ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದು ತಂಡ ಕಾರ್ಯಪದ್ಧತಿಯ ಕೌಶಲ್ಯಗಳ ಉದಾಹರಣೆ ಅಲ್ಲ?
    a) Conflict management ಸಂಘರ್ಷ ನಿರ್ವಹಣೆ
    b) Active listening ಸಕ್ರಿಯ ಕೇಳುವಿಕೆ
    c) Passive-aggressiveness ನಿಷ್ಕ್ರಿಯ-ಆಕ್ರೋಶ
    d) Time management ಸಮಯ ನಿರ್ವಹಣೆ
12. What is the function of cybersecurity? ಸೈಬರ್‌ಸಿಕ್ಯೂರಿಟಿಯ ಕಾರ್ಯವೇನು?
    a) Protecting digital data and systems from attacks
    ಡಿಜಿಟಲ್ ಡೇಟಾ ಮತ್ತು ವ್ಯವಸ್ಥೆಗಳನ್ನು ದಾಳಿಯಿಂದ ರಕ್ಷಿಸುವುದು
    b) Increasing internet speed ಇಂಟರ್ನೆಟ್ ವೇಗ ಹೆಚ್ಚಿಸುವುದು
    c) Enhancing video quality in online streaming
    ಆನ್‌ಲೈನ್ ಸ್ಟ್ರೀಮಿಂಗ್‌ನಲ್ಲಿ ವೀಡಿಯೊ ಗುಣಮಟ್ಟ ಹೆಚ್ಚಿಸುವುದು
    d) Encrypting only personal emails
    ವೈಯಕ್ತಿಕ ಇಮೇಲ್‌ಗಳನ್ನು ಮಾತ್ರ ಎನ್‌ಕ್ರಿಪ್ಟ್ ಮಾಡುವುದು
13. What are the three main types of Machine Learning?
    ಯಂತ್ರ ಕಲಿಕೆಯ ಮೂರು ಪ್ರಮುಖ ಪ್ರಕಾರಗಳು ಯಾವುವು?
    a) Supervised, Unsupervised, Reinforcement
    ಸೂಪರ್‌ವೈಸ್ಡ್, ಅನ್ಸೂಪರ್‌ವೈಸ್ಡ್, ರೀನ್ಫೋರ್ಸ್‌ಮೆಂಟ್
    b) Regression, Classification, Clustering
    ರಿಗ್ರೆಶನ್, ವರ್ಗೀಕರಣ, ಕ್ಲಸ್ಟರಿಂಗ್
    c) Neural Networks, Deep Learning, NLP
    ನ್ಯೂರಲ್ ನೆಟ್‌ವರ್ಕ್, ಡೀಪ್ ಲರ್ನಿಂಗ್, NLP
    d) Online, Offline, Hybrid
    ಆನ್ಲೈನ್, ಆಫ್ಲೈನ್, ಹೈಬ್ರಿಡ್
14. Which language is used to interact with relational databases? ಸಂಬಂಧಿತ ಡೇಟಾಬೇಸ್‌ಗಳೊಂದಿಗೆ ಸಂಪರ್ಕ ಸಾಧಿಸಲು ಯಾವ ಭಾಷೆಯನ್ನು ಬಳಸಲಾಗುತ್ತದೆ?
    a) Python: ಪೈಥಾನ್
    b) SQL: SQL (ಎಸ್‌ಕ್ಯೂಎಲ್)
    c) C++: ಸಿ++
    d) JavaScript: ಜಾವಾಸ್ಕ್ರಿಪ್ಟ್
15. What role does edge computing play in IIoT?
    IIoT ನಲ್ಲಿ ಎಡ್ಜ್ ಕಂಪ್ಯೂಟಿಂಗ್ ಯಾವ ಪಾತ್ರವನ್ನು ವಹಿಸುತ್ತದೆ?
    a) Stores data on a centralized cloud server.
    ಡೇಟಾವನ್ನು ಕೇಂದ್ರೀಕೃತ ಕ್ಲೌಡ್ ಸರ್ವರ್‌ನಲ್ಲಿ ಸಂಗ್ರಹಿಸುವುದು
    b) Processes data closer to the source, reducing latency.
    ಮೂಲಕ್ಕೆ ಹತ್ತಿರವೇ ಡೇಟಾ ಪ್ರಕ್ರಿಯೆಗೊಳಿಸುವುದು, ವಿಳಂಬ ಕಡಿಮೆ ಮಾಡುವುದು
    c) Replaces the need for IoT sensors. IoT ಸೆನ್ಸಾರ್‌ಗಳ ಅಗತ್ಯವನ್ನು ನಿವಾರಿಸುವುದು
    d) Eliminates the need for cybersecurity. ಸೈಬರ್‌ಸಿಕ್ಯೂರಿಟಿಯ ಅಗತ್ಯವನ್ನು ನಿವಾರಿಸುವುದು

Contd...3

PART – B

Answer any THREE of the following: **(3x5=15)**

16. Explain the applications of AI in the field of social media, healthcare and education.
ಸಾಮಾಜಿಕ ಮಾಧ್ಯಮ, ಆರೋಗ್ಯ ಸೇವೆ ಮತ್ತು ಶಿಕ್ಷಣ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ AI ಅನ್ವಯಗಳನ್ನು ವಿವರಿಸಿ.

17. Explain the applications of Cloud computing.
ಕ್ಲೌಡ್ ಕಂಪ್ಯೂಟಿಂಗ್ ಅನ್ವಯಗಳನ್ನು ವಿವರಿಸಿ.

18. Explain how different elements of cybersecurity work together to create a secure system.
ಭದ್ರಿತ ವ್ಯವಸ್ಥೆಯನ್ನು ರಚಿಸಲು ಸೈಬರ್‌ಸಿಕ್ಯೂರಿಟಿಯ ವಿವಿಧ ಅಂಶಗಳು ಹೇಗೆ ಒಟ್ಟಿಗೆ ಕೆಲಸ ಮಾಡುತ್ತವೆ ಎಂಬುದನ್ನು ವಿವರಿಸಿ.

19. Explain the benefits of teamwork and collaboration.
ತಂಡಕಾರ್ಯ ಮತ್ತು ಸಹಭಾಗಿತ್ವದ ಲಾಭಗಳನ್ನು ವಿವರಿಸಿ.

20. Summarize key listening skills that enhance conversations.
ಸಂಭಾಷಣೆಗಳನ್ನು ಹೆಚ್ಚಿಸುವ ಪ್ರಮುಖ ಕೇಳುವಿಕೆ ಕೌಶಲ್ಯಗಳನ್ನು ಸಂಕ್ಷಿಪ್ತಗೊಳಿಸಿ.

PART – C

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

21. What is data life cycle? Explain the stages of data life cycle with the help of a neat diagram.
ಡೇಟಾ ಜೀವನಚಕ್ರ ಎಂದರೇನು? ಸ್ವಚ್ಛವಾದ ಚಿತ್ರಣದೊಂದಿಗೆ ಡೇಟಾ ಜೀವನಚಕ್ರದ ಹಂತಗಳನ್ನು ವಿವರಿಸಿ.

22. Explain the key differences between IoT and IIoT in terms of application and functionality. Give any two real world examples of IOT.
ಅನ್ವಯ ಮತ್ತು ಕಾರ್ಯಕ್ಷಮತೆಯ ದೃಷ್ಟಿಯಿಂದ IoT ಮತ್ತು IIoT ನಡುವಿನ ಪ್ರಮುಖ ವ್ಯತ್ಯಾಸಗಳನ್ನು ವಿವರಿಸಿ. IoT ನ ಎರಡು ನೈಜ ಜಗತ್ತಿನ ಉದಾಹರಣೆಗಳನ್ನು ಕೊಡಿ.

23. What Is machine learning and what are its types? Explain them with examples.
ಯಂತ್ರ ಕಲಿಕೆ ಎಂದರೇನು? ಅದರ ಪ್ರಕಾರಗಳನ್ನು ವಿವರಿಸಿ ಮತ್ತು ಉದಾಹರಣೆಗಳನ್ನು ನೀಡಿ.

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(2024 Batch onwards)

IT3BUDC150

Reg No : | | | | | | | | | |

St Aloysius (Deemed To Be University)
Mangaluru
B.A./B.Sc. Semester II – Degree Examination
April/May - 2025
COMPUTER ANIMATION
PRE-PRODUCTION AND 2D ANIMATION

Time : 2 ½ Hours **Max. Marks : 60**

SECTION - A

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

1. State the purpose of rotoscoping in animation.
2. List any two characteristics of 2D animation.
3. Define the significance of the Properties Panel in animation.
4. Mention the shortcuts to i) Add a keyframe ii) Extend the frames.
5. What is cutout animation?
6. What is secondary action in animation?
7. State the importance of pre-production in animation?

SECTION – B

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

8. Write down the steps to create an eye blink animation
9. Explain how motion tweening is used in animation with an example.
10. Explain the role of story boarding in 2D animation.
11. Explain the advantages of 2D animation..
12. Analyze the importance of masking with example.
13. How is a traffic signal animation created in Adobe Animate?

SECTION – C

Answer any TWO of the following . **(2x15=30)**

14. Discuss the 12 principles of animation with examples.
15. Describe the various symbols in Adobe Animate and their specific use cases.
16. What is Rigging? Describe the process of rigging the character in Adobe Animate using the Parent tool.

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(2024 Batch Onwards)

IT3CUDC150 Reg. No.: | | | | | | | | |

St Aloysius (Deemed To Be University)

Mangaluru

B.Sc. Semester II – Degree Examination

April/May - 2025

COMPUTER SCIENCE

DATA STRUCTURES USING C

Time: 2½ Hours. **Max Marks: 60**

PART –A

1. **Answer any SIX of the following.** **(6x2=12)**

a) Why do we need data structures?

b) Differentiate linear and non-linear data structure.

c) Compare iterative and recursive function.

d) Specify the use of malloc function.

e) Define linked list. Write the representation of linked lists in memory.

f) List different types of queue.

g) Expand LIFO and FIFO.

h) Define a) Path of a tree b) Level of a tree

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

UNIT - I

2. a) Explain format conventions used in algorithm? **(4)**

b) What is sorting? Write an algorithm to sort an element using insertion sort technique. **(4)**

c) Write an algorithm to search an element using binary search. **(4)**

3. a) Explain the difference between linear and non-linear data structures. Provide examples of each. **(4)**

b) Write an algorithm to sort an element using bubble sort technique. Trace an algorithm for the following numbers: 4 ,3, 1, 5, 2. **(4)**

c) Write a note on sparse matrix. **(4)**

UNIT – II

4. a) What is linked list? Explain an algorithm to perform insert operation in linked list. **(4)**

b) Write an algorithm to evaluate postfix expression. **(4)**

c) Write the difference between singly linked list and doubly linked list. **(4)**

5. a) What is doubly linked list? How does it differ from singly and circular singly list? **(4)**

b) Write an algorithm to convert infix expression to postfix expression. **(4)**

c) Write any four difference between array and linked list. **(4)**

Contd...2

UNIT – III

6. a) Define stack. Write algorithm to perform PUSH and POP operation on a given set of numbers. **(4)**

   b) Evaluate the following expression using stack 3,6,2, +, *,6,2,- **(4)**

   c) What is queue data structure? Write an algorithm to perform insert and delete operations in queue. **(4)**

7. a) What is recursion? Explain different types of recursion. **(4)**

   b) Convert following expression to prefix form
   a) (P+Q$R)+S b) (A+B-C)*(E/F)-(G-H/I) **(4)**

   c) Explain the concept of a circular queue. How does it differ from a regular queue? **(4)**

UNIT – IV

8. a) Explain following terminologies with suitable example with respect to tree
   a) Node b) Siblings c) degree of a node d) parent Node. **(4)**

   b) construct a tree from the following data
   inorder sequence 9,3,15,20,7
   postorder sequence 9,15,7,20,3 **(4)**

   c) What is graph? Explain any three terminologies used in graph? **(4)**

9. a) What is binary search tree? Write an algorithm for traversal of binary search tree. **(4)**

   b) Write and explain Depth First Search algorithm with an example. **(4)**

   c) Construct a binary search tree for the following 45, 15, 79, 90, 10, 55, 12, 20, 50. Traverse the tree in inorder, preorder and postorder. **(4)**

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(2024 Batch Onwards)

IT3DUDC150 Reg. No.: | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

B.Sc. (Data Science) - Semester II – Degree Examination

April/May – 2025

DATA STRUCTURES USING C

Time: 2 ½ Hours. Max Marks: 60

PART –A (6x2=12)

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

a) Define Data structures.

b) Define doubly linked list.

c) What is a leaf node?

d) What is recursion?

e) What do you mean by prefix expression? Give example.

f) What is the degree of a node in a tree?

g) Differentiate linear and non linear data structure.

h) List different operations performed on a double-ended queue.

PART –B

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

UNIT – I

2. a) Explain the memory representation of a one-dimensional array. (4)

b) Using suitable example describe the process of accessing, initializing elements in an one dimensional array. (4)

c) Demonstrate insertion sort technique on 5,4,10,1,6,2. (4)

3. a) Write the classification of data structures and briefly explain it. (4)

b) Write an algorithm to sort an element using bubble technique. (4)

c) Write a note on sparse matrix. (4)

UNIT – II

4. a) Differentiate singly linked lists and doubly linked lists. (4)

b) Write an algorithm to search an element using linear search. (4)

c) Write an algorithm to Insert the node from the end in the circular linked list. (4)

5. a) Differentiate single linked lists and circular linked list. (4)

b) Write an algorithm to delete the node from the end in the singly linked list. (4)

c) Define a linked list. How does it differ from an array? (4)

UNIT – III

6. a) Write a note an double ended queue. (4)

b) Write algorithms to implement insert and delete operations in a queue using an array. (4)

c) Evaluate the following postfix expression using stack: (4)
6 2 3 + - 3 8 2 / + * 2 $ 3 +

Contd...2

IT3DUDC150

7. a) Convert the following infix expression to a postfix expression using a stack:

i) (A+B*C-D)/(E*F)

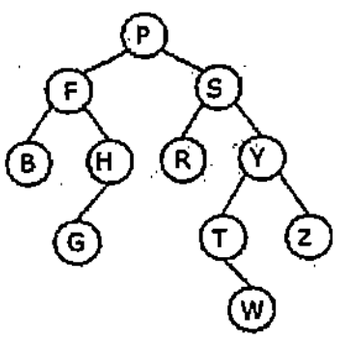
ii) (P + (Q - R) * S) ^ T + U (4)

b) Write an algorithm to implement insert and delete operations in a circular queue. (4)

c) Write a note on stack. Write an algorithm to implement PUSH and POP operations of a stack using an aray. (4)

UNIT – IV

8. a) Traverse the following binary tree in preorder, postorder, and inorder technique.



(4)

b) Construct a Binary Search Tree (BST) for the following sequence of numbers 50, 70, 60, 20, 90, 10, 40, 100 and traverse the tree in inorder, preorder and post order techniques (4)

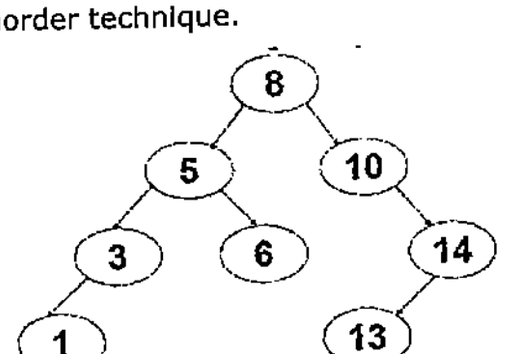
c) Explain the following with respect to tree i) binary search tree ii) leaf node iii) sibling iv) level of tree. (4)

9. a) Construct a binary tree from the following data

Preorder: P, A, S, T, Q, E, D, X, M, R, C, F

Inorder: T, S, Q, A, E, D, P, M, X, C, R, F (4)

b) Traverse the following binary search tree in preorder, postorder, and inorder technique.



(4)

c) Write an algorithm for Breadth-First Search(BFS) for a graph. (4)

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(2024 Batch Onwards)

IT3DUDC151 Reg. No.: | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

B.Sc. (Data Science) - Semester II – Degree Examination

April/May – 2025

RELATIONAL DATABASE MANAGEMENT SYSTEMS USING MYSQL

Time: 2 ½ Hours. Max Marks: 60

PART –A

1. **Answer any SIX of the following.** (6x2=12)

a) Mention the responsiblities of the Database Administrator.

b) List any two advantages of Database Management system.

c) Define domain constraints.

d) Define Second Normal Form.

e) What is Primary Key? Write the syntax of INSERT statements.

f) Expand (i) SQL ii) DML

g) Write the purpose of ORDER by clause in SQL.

h) Mention the usage of loop and leave commands.

PART –B

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

UNIT – I

2. a) Explain any four characteristics of database management system. (4)

b) Explain with example the various notations used in ER diagram. (4)

c) Explain the client server architecture of the database management system. (4)

3. a) Explain three schema architecture. (4)

b) Define data independence. Mention and explain the different types. (4)

c) How are the actors on the scene explained in RDBMS? (4)

UNIT – II

4. a) Explain Join operations with example. (4)

b) Explain the insertion and updation anomaly with examples. (4)

c) Why SELECT operation is used in relational algebra? Give example. (4)

5. a) Explain Set operations with example. (4)

b) Explain Normalization. Explain 2NF and 3NF with example. (4)

c) Consider the following table and write CREATE statement and insert statements. (atleast 2 records) STUDENT (REG-No, S-NAME, DOB, COURSE, SEMESTER). (4)

Contd...2

UNIT – III

6. a) Explain pattern matching and range searching predicates in MySQL with examples. (4)

   b) Explain the UNIQUE and Auto_increment modifier with example. (4)

   c) Explain with syntax and example for renaming and deleting a column using ALTER TABLE command. (4)

7. a) Explain DELETE and DROP table commands with examples. (4)

   b) With a neat diagram, explain the different states of transactions. (4)

   c) Write a note on (i) COMMIT (ii) ROLLBACK (iii) SAVEPOINT (4)

UNIT – IV

8. a) What is a cursor? Write the cursor statements for performing operations on cursor. (4)

   b) Explain the different conditional statements in MySQL. (4)

   c) Explain the general format of stored procedure with example. (4)

9. a) Create a table CUSTOMER (Cust_no, Cust_Name, Address, City, CreditLimit). Insert the records and later alter the table to add a field 'level'. Write a procedure to update and display the customer level using else if condition. (4)

   b) What is view? Explain with syntax and example how it is created? (4)

   c) Define transaction. Explain ACID properties. (4)

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(2024 Batch onwards)

IT3DUDC152 Reg. No.

St Aloysius (Deemed To Be University)

Mangaluru

B.Sc. (Data Science) - Semester II – Degree Examination

April/May - 2025

DISCRETE MATHEMATICAL STRUCTURES

Time: 2½ hrs. Max Marks: 60

PART – A

Answer any SIX of the following. (6x2=12)

1. a) What is meant by coloring of graphs? Write the chromatic number for a planar graph.
   b) Define Binomial theorem. Give example.
   c) What is a binary tree? Give one example.
   d) State the handshaking theorem for an undirected graph with E edges and V vertices.
   e) Define intersection of any two sets using set builder notation.
   f) Draw the graph corresponding to the adjacency matrix

$$\begin{bmatrix} 0 & 1 & 1 & 1 \\ 1 & 0 & 1 & 0 \\ 1 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 \end{bmatrix}$$

   g) Write the Venn diagrams for $A - B$ and $(A \cap B) \cup (A \cap C)$
   h) If $f = \{(1,2),(2,3),(3,1)\}$ and $g = \{(1,2),(2,1),(3,3)\}$. Find $f \circ g$ and $g \circ f$.

PART – B

Answer any ONE FULL question from each unit. (12x4=48)

UNIT – I

2. a) Let X = {1, 2, 3, ..., 7} and R = {(x, y) | x - y is divisible by 3 }. Show that R is an equivalence relation and draw the graph of R. **(6)**
   b) If U = {1, 2, 3, 4, 5, 6}, A = {1, 2, 3}, B = {2, 5, 6} and C = {4, 5, 6}. Find A – B, B – A, A ∩ B, A – C, B – C and C – A. **(6)**

3. a) Let A={a, b, c} and B={0, 1}. Find the cartesian product AXB, and hence write all the possible functions from A to B. **(6)**
   b) Write the Venn diagrams for the following.
   i) $A - B$ ii) $A \subseteq B$ iii) $\sim A$
   iv) $(A \cap B) = \emptyset$ v) $(A \cap B) \cup (A \cap C)$ vi) $(A \cup B) \cap (A \cup C)$ **(6)**

UNIT – II

4. a) Given the relation matrices M_R and M_S, find M_{RoS}, $M_{\bar{R}}$, $M_{\bar{R}}$, $M_{R\bar{o}s}$ and show that $M_{R\bar{o}s} = M_{\bar{S}o\bar{R}}$.

$$M_R = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 1 & 0 \\ 1 & 1 & 1 \end{bmatrix} \text{ and } M_S = \begin{bmatrix} 1 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & 1 & 0 \end{bmatrix}.$$ **(6)**

   b) Let X = {1, 2, 3} and f, g, h and s be function from f: X → X given by
   f = {<1, 2>, <2, 3>, <3, 1>}
   g = {<1, 2>, <2, 1>, <3, 3>}
   h = {<1, 1>, <2, 2>, <3, 1>}
   s = {<1, 1>, <2, 2>, <3, 3>}
   Draw the mapping diagram for each and also find fog, gof, fos and sos. **(6)**

Contd...2

IT3DUDC152

5. a) Let A be the set of factors of a particular positive integer m and let ≤ be the elation divides, i.e.≤ $\{(x,y)|x \in A \wedge Y \in A \wedge (x\ divides\ y)\}$. Draw Hasse diagrams for m=2,6,12, and 45. **(6)**

b) Define maximal Compatibility block. Draw the graph and find the maximal compatiblity blocks of the compatibility relation given by the matrix.

x_2	0			
x_3	1	1		
x_4	1	0	1	
x_5	0	1	0	1
	x_1	x_2	x_3	x_4

(6)

UNIT – III

6. a) Encrypt the message "WELCOME TO SAU" by applying the following encryption commands.
i) f(p) = (p + 3) mod 26
ii) f(p) = (p+13) mod 26
iii) f(p) = (2p+3) mod 26 **(6)**

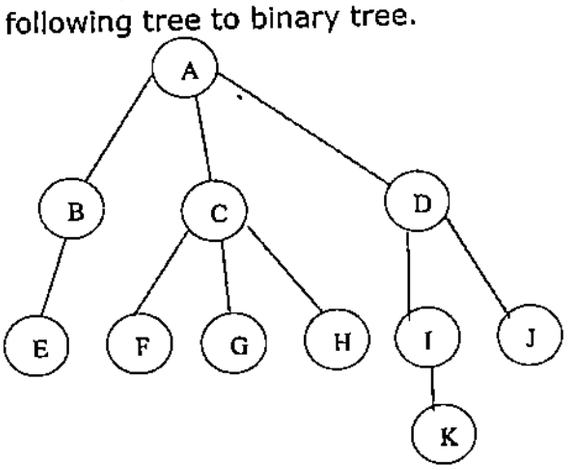
b) Find the Greatest Common Divisor and Least Common Multiple of 120 and 500 using prime factorisation method. Write the steps involved in it. **(6)**

7. a) Decrypt the message "HDW GLP VXP" by translating the letters into numbers, applying the Caesar's Cipher, and then translating the numbers back into the letters. Write the Caesar's cipher function for encryption. **(6)**

b) Find the 16th term in the binomial expression $\left(2-\frac{1}{x}\right)^{18}$. Write the steps involved in it. **(6)**

UNIT – IV

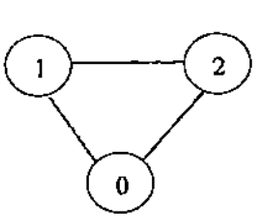
8. a) Explain the procedure to convert a directed tree to binary tree. Convert the following tree to binary tree.

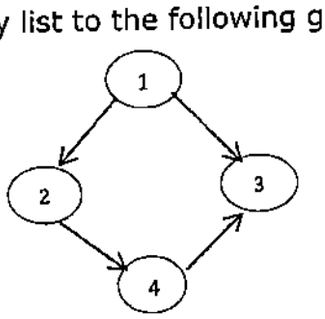


(6)

b) Explain Hamilton path and Hamilton circuit with suitable examples for each. **(6)**

9. a) Write the adjacency matrix and adjacency list to the following graphs.





(6)

b) What is a Directed tree? Explain the terms (i) root (ii) leaf (iii) branch node (iv) forest and (v) spanning tree. **(6)**

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(2024 batch onwards)

LS2AUDC150 Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)
Mangaluru
B.Sc. Semester II – Degree Examination
April/May - 2025
BOTANY – II
Diversity of Non-Flowering Plants

Time: 2½ hrs. **Max Marks: 60**

Instructions: Answer all the three sections - A, B and C
Draw Diagrams wherever necessary.

SECTION – A

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

1. What are Aplanospores?
2. What are spermatogenous filaments?
3. What are Bryophytes? Which life cycle stage is dominant in bryophytes?
4. What is stele? Mention its components.
5. What is apospory?
6. Write two differences between pteridophytes and bryophytes.
7. Write the systematic position of *Pinus*.
8. What are Coralloid roots?
9. Write any two harmful aspects of algae.
10. What is perichaetial leaf?
11. What are tuberculate rhizoids?
12. Give any two important features of *Gnetum* ovule.

SECTION – B

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

1. Explain the internal structure of sporocarp.
2. Explain the anatomy of stem of *Selaginella*.
3. Explain Male cone of *Cycas*.
4. Explain the thallus in *Sargassum*.
5. Explain the sporophyte of *Riccia*.
6. Explain the asexual reproduction in *Oedogonium*.

SECTION – C

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

1. Explain male and female cones of *Pinus*.
2. Describe the sporophyte of *Marselia* with a labelled sketch. Add a note on the external features of sporocarp.
3. Explain the following a) Cystocarp b) Tetrasporophyte of *Polysiphonia*.
4. With a neat labelled diagram, explain the sporophyte of *Anthoceros*.

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(2024 Batch onwards)

LS2BUDC151 Reg. No.: | | | | | | | | |

St Aloysius (Deemed to be University) , Mangaluru

B.Sc. - Semester II – Degree Examination

April/May -2025

ZOOLOGY

Biochemistry and Physiology

Time: 2½ Hours. **Max Marks: 60**

Note: 1. Answer any ten questions from Part–A, any four questions from Part- B and any two questions from part-C.

2. Draw diagrams wherever necessary.

SECTION –A

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

1. What are isoenzymes? Give an example.
2. Define lipids.Give any two examples.
3. Explain the difference between essential and non-essential amino acids.
4. Mention the interlinking step between glycolysis and Kreb's cycle.
5. Define substrate level phosphorylation with example.
6. What is the primary role of pentose phosphate pathway.
7. Which hormone is produced by the adrenal medulla and what is its function?
8. Explain the concept of dissociation curves in oxygen transport
9. What is blood pressure? How is it measured?
10. Compare the functional features of sensory neurons and motor neurons.
11. Give the classification of hormones based on their mode of transport in the bloodstream
12. Mention the different types of muscle fibers.

SECTION – B

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

1. Elucidate on Glycogenesis Add a note on structure of glycogen.
2. Write a brief explanation of Action potential.
3. Explain the structure of kidney.
4. Describe the Mechanism of Muscle contraction
5. Classify Carbohydrates with suitable examples.
6. Enumerate on energy generation phase of glycolysis.

SECTION – C

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

1. Write a note on β-oxidation synthesis of fatty acids.
2. Differentiate between electrical and chemical synaptic transmission.
3. Describe the factors that influence enzyme activity, and discuss how each factor affects enzyme activity.
4. Explain the processes of mechanical and chemical digestion in the gastrointestinal tract with example

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(2024 batch onwards)

LS2CUDC152 Reg. No: | | | | | | | | |

St Aloysius (Deemed to be University)
Mangaluru

B.Sc. Semester II – Degree Examination

April/May - 2025

BIOTECHNOLOGY - II

MICROBIOLOGICAL METHODS AND TECHNIQUES

Time: 2½ Hours **Max. Marks: 60**

Instructions: i) Answer all three sections - A, B and C.
ii) Draw diagrams wherever necessary.

SECTION - A

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

a) Who is father of antiseptic surgery?

b) Define resolving power of microscope.

c) Name two uses of light microscope.

d) What is tincture of iodine? Mention its uses.

e) What are ionizing radiations? Give an example.

f) Define quaternary ammonium compounds.

g) Differentiate between acidic and basic stains in microbiology.

h) Define pure culture.

i) Define Colony Forming Unit (CFU).

j) What is culture collection centre? Give an example.

k) What does MARSA stand for in the context of antibiotic resistance?

l) Define antibiotic sensitivity testing and its significance in microbiology.

SECTION - B

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

2. Describe Koch's postulate.
3. Explain the contributions of Louis Pasteur to Microbiology.
4. Explain the mechanism of action of sterilizing agents.
5. Explain freeze drying in preservation of microorganisms.
6. Define antifungal agents and explain their role in treating fungal infections with an example.
7. Explain antibiotic sensitivity testing by Kirby-Bauer method.

SECTION - C

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

8. Describe the ultrastructure of bacteria.
9. Explain the principle and working of compound microscope.
10. Explain the different types of culture media used in microbiology with example.
11. Describe the mechanism of action of antibiotics that inhibit protein biosynthesis and cell wall synthesis.

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(2024 Batch Onwards)

LS2DUDC153 Reg. No.: | | | | | | | | |

St Aloysius (Deemed To Be University)

Mangaluru

B.Sc. Semester II – Degree Examination

April/May - 2025

MICROBIOLOGY – II

MICROBIAL BIOCHEMISTRY AND PHYSIOLOGY

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)**

a) List the major biochemical elements of life.

b) What is the role of stationary and mobile phase in chromatography?

c) Define structural isomerism.

d) What are non protein amino acids? Give examples.

e) Serial dilution.

f) What are psychrotrophs? Give one example.

g) Enzyme involved in conversion of Pyruvate to Acetyl CoA.

h) Redox reactions.

i) Why is water called as a polar solvent?

j) Lithotroph.

k) Define cyctochromes.

l) Bacteriochlorophylls.

SECTION – B

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

2. Write the principle and working of Agarose gel electrophoresis.
3. List the vitamin B family with their chemical names.
4. Contrast simple diffusion and facilitated diffusion.
5. Discuss fueling reactions.
6. Discuss Structural isomerism in carbohydrates.
7. Discuss ETC.

SECTION - C

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

8. Define Proteins. Classify proteins based on their structure and give the functions.
9. Compare different phases of bacterial growth curve in a closed system.
10. Elaborate different modes of non-aerobic respiration.
11. Explain the principle, working and applications of size exclusion chromatography.

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(2024 Batch onwards)

LS2EUDC154 Reg. No. : | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

B.Sc. Semester II – Degree Examination

April - 2025

BIOCHEMISTRY

Fundamentals of Biochemistry-II

Time: 2½ Hours **Max. Marks: 60**

Note: i) Answer all the questions

ii) Draw diagrams wherever necessary

SECTION – A

1. **Answer any TEN of the following.** **(10×2=20)**

a) Name any two techniques implemented in bioanalytical experiments.

b) What are primary & secondary metabolite in plants?

c) Give the principle of GLC.

d) Define Rf Value.

e) What is PAGE?

f) Give any two applications of ^{14}C radioisotope.

g) Write the principle of NMR.

h) What is a chiral center? Give an example.

i) What is sedimentation coefficient?

j) Name any two techniques used for the extraction of phytochemicals.

k) What is the principle behind Ion exchange chromatography?

l) Write any two stains that are used in electrophoresis.

SECTION – B

Answer any FOUR of the following. **(4X5=20)**

2. Write a note on isoelectric focusing.
3. Write a note on the principle and applications of TLC.
4. Give brief note on instrumentation of UV-Vis spectrophotometer.
5. Give an account on applications of colorimeter.
6. Write a note on density gradient centrifugation.
7. Write a note on GM counter.

SECTION – C

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

8. Explain the principle and application of HPLC.
9. Explain in detail SDS-PAGE.
10. Explain the principle and application of IR spectroscopy.
11. Explain the isolation and purification of protein.

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(2024 Batch onwards)

LS2FUDC155 Reg. No. : | | | | | | | | |

St Aloysius (Deemed To Be University)

Mangaluru

B.Sc. Semester II – Degree Examination

April/May – 2025

FOOD SCIENCE- II

FOOD PROCESSING AND PRESERVATION

Time: 2½ Hours **Max. Marks: 60**

Note: i) Answer all three sections – A, B and C.

ii) Draw diagrams wherever necessary.

SECTION – A

1. **Define/Answer any <u>TEN</u> of the following:** **(2×10=20)**

a) Name the compound formed during oxidation causing rancid taste in food.

b) How fermentation preserves food.

c) Mention one advantage and one disadvantage of heat sterilization.

d) What is blanching, and why is it used in food processing?

e) What is fluidized-bed freezing?

f) What happens if there is inadequate air circulation in the refrigerator?

g) Define non-thermal food preservation techniques.

h) What is the typical pressure range used in HPP?

i) Name two traditional food preservation methods used in India.

j) What is the significance of fermentation in ancient food processing?

K) Why is blanching used before canning vegetables?

l) Compare blanching, pasteurization and sterilization.

SECTION - B

Answer any <u>FOUR</u> of the following. **(5X4=20)**

2. What are the types of freezing and give its effects on food.
3. Explain the working principle of a refrigeration cycle with diagram.
4. Explain the principle of ultrasound and cold plasma in food preservation.
5. Write a short note on blanching.
6. Explain the two types of sterilization.
7. Explain how processing affects the food properties.

SECTION - C

Answer any <u>TWO</u> of the following: **(10x2=20)**

8. Describe the different types and methods of pasteurization.
9. Describe the different applications of refrigeration and requirements of refrigerated storage.
10. Write a detailed note on novel thermal food preservation techniques.
11. Explain the factors affecting food spoilage.

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(2024 Batch Onwards)

PS1AUDC150 Reg. No. : | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

B.Sc. Semester II – Degree Examination

April/May - 2025

PHYSICS

ELECTROMAGNETIC THEORY

Time: 2½ hrs. Max Marks: 60

SECTION –A

Answer any FOUR of the following. (4x2=8)

1. a) Define the curl of a vector function and provide an example.
   b) What is transient current? Explain.
   c) What is surface charge density and volume charge density?
   d) Give the expression for the force acting on a charged particle moving in a magnetic field. When this force will be maximum?
   e) What is self inductance of a coil? Give its S.I unit.
   f) State i) Right hand thumb rule ii) Ampere's swimming rule.

SECTION – B

Answer any ONE FULL QUESTION from each unit. (4x10=40)

UNIT-I

2.a) State and explain i) Gauss theorem ii) Stoke's theorem. (6)
   b) Give the physical significance of gradient of a scalar field function. (4)
3.a) Using Gauss law, derive an expression for the electric field due to a charged spherical conductor at i) point outside the conductor and ii) point on the conductor (6)
   b) Derive an expression for the electric potential due to a point charge. (4)

UNIT-II

4.a) Give the theory of a parallel plate capacitor with a dielectric as the intervening medium. (6)
   b) Explain the behaviour of polar and non-polar molecules in an external electric field. (4)
5.a) Derive expressions for the growth and decay of charge in a CR circuit. (6)
   b) Discuss the growth of current in a LR circuit. (4)

UNIT-III

6.a) State and prove Ampere's circuital law in magnetism. (6)
   b) Derive an expression for the force acting on a conductor carrying current. (4)
7.a) Derive an expression for the impedance, current and phase angle of a series LCR circuit. (6)
   b) With a neat figure explain RC low pass and high pass filter circuits. (4)

Contd...2

UNIT-IV

8.a) Derive the equation for an electromagnetic wave travelling with a constant velocity c. (6)

b) Give Maxwell's equations and explain the terms. (4)

9.a) Obtain the expression for the (i) Self-inductance of a coil ii) Mutual inductance between a pair of coils. (6)

b) State and explain Faraday's laws of electromagnetic induction. (4)

SECTION –C

Answer any <u>THREE</u> from the following. (3x4=12)

10. A 600μF capacitor is charged by a 220V power supply. It is then disconnected and is connected to another 600μF capacitor. How much electrostatic energy is lost in the process?

11. An inductor of 10.1mH is connected in series with a resistor of 220Ω and a dc supply of 12V. Determine the current in the circuit after 0.5 s when the dc supply is switched ON.

12. ABCD is a square of side 0.2m. Charges 2nC, 4nC and 8nC are placed at the corners A,B and C respectively. Calculate the work to be done to transfer a charge 2nC from corner D to the centre of the square.

13. A straight conductor 0.25m long carrying current of 5A is kept in a uniform magnetic field of 0.05T. Find the force acting on the wire when it is
    i) at right angles to the field and
    ii) at 30° to the field.

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(2024 Batch Onwards)

PS1BUDC151 Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)
Mangaluru

B.Sc. Semester II – Degree Examination
April/May - 2025
CHEMISTRY - II
Inorganic and Physical Chemistry-I

Time: 2½ hrs. **Max Marks: 60**

Instructions: Answer all the three sections - A, B and C.
Draw diagrams wherever necessary.

SECTION – A

I. Define/Answer any TEN of the following: **(2x10=20)**

1. Calculate the number of radial nodes of 1s orbital.
2. Give Schrodinger's wave equation for the particle of mass 'm' moving in one dimension and explain the terms.
3. Give the classification of hydrides based on their physical and chemical properties.
4. What are zeolites?
5. Define critical temperature.
6. What are the miller indices of a crystal plane having intercepts 2 & 3 on 'x' and 'y' axis respectively and parallel to the 'z' axis?
7. State law of constancy of interfacial angles.
8. Give any two application of liquid crystal.
9. Why 4s orbital is lower in energy than 3d orbital?
10. What is ionisation enthalpy?
11. Define the SI unit for surface tension.
12. Define space lattice and unit lattice.

SECTION – B

II. Answer any FOUR of the following. **(5x4=20)**

1. Write the electronic configuration of the following
   (i) Cu^{2+} (ii) Cl^- (iii) Cr (iv) Fe (v) C
2. Briefly discuss ionic radius. Comment on the trends along the period and down the group.
3. Explain law of corresponding states and derive an expression reduced equation of state.
4. Describe the types of non-stoichiometric defects in solids.
5. Describe the procedure for determining the refractive index of a liquid using Abbe refractometer.
6. Write a note on any 2 quantum numbers.

SECTION – C

III. Answer any TWO of the following. **(10x2=20)**

1. a. Determine the Zeff that a 2p electron in an oxygen atom experiences and define the shielding effect.
   b. Determine the effective nuclear charge that an electron experiences in the 3 d orbital of chromium (at no. 24).
2. a. Explain the structure of tetraborane using STYX number.
   b. Discuss the structure of hybridization in XeF_4.
3. a. Explain the postulates of kinetic theory of gases.
   b. Discuss the Van der Waals causes of deviation from the ideal gas behaviour.
4. a. Derive Bragg's equation.
   b. Explain the three types of rod shaped liquid crystals.

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(2024 - Batch onwards)

PS1CUDC152 Reg No : | | | | | | | | |

St Aloysius (Deemed to be University), Mangaluru

B.Sc. - Semester II Degree Examination

April / May - 2025

Mathematics - II

Algebra-I and Calculus-II

Time : 2 ½ Hours Max. Marks : 60

Instructions: Answer all the three sections-A, B and C
Draw Diagrams wherever necessary.

SECTION - A

I. Define/Answer any TEN of the following: (2×10=20)

1. Solve for x, y and z for the reduced augmented matrix $\left(\begin{array}{ccc|c} 1 & 2 & 3 & 7 \\ 0 & 1 & 2 & 4 \\ 0 & 0 & 1 & -1 \end{array}\right)$.
2. Find the rank of the matrix $A = \begin{bmatrix} 1 & 2 & -1 & 3 \\ 2 & 4 & -4 & 7 \\ -1 & -2 & -1 & -2 \end{bmatrix}$.
3. Is the matrix $A = \begin{bmatrix} 1 & -2 & 3 \\ 2 & 1 & 4 \\ -3 & -4 & 1 \end{bmatrix}$ symmetric or skew-symmetric? If it is neither, justify.
4. Define binary operation. Give one example for a binary operation on the set of even integers which is different from addition, subtraction or multiplication.
5. Suppose G is a group and $a \in G$. Define order of a in G. Further find the order of 3 in $(\mathbb{Z}, \cdot)$.
6. Define abelian group. Give an example for non-abelian group.
7. Check if $r(x,y) = \frac{\sqrt{y}+2\sqrt{x}}{y+2x}$ is a homogeneous function. If yes, what is its degree?
8. If $w = ln(2x+3y)$ then verify $w_{xy} = w_{yx}$.
9. Find f_x, f_y if $f(x,y) = 2x^2 - 3y - 4$.
10. Show that $\int_0^a f(x)dx = \int_0^a f(a-x)dx$ for $f(x) = 3x^2$ where, $0 \leq x \leq 3$.
11. Evaluate $\int_0^3 \int_0^2 x^2(x-y)dxdy$.
12. Using Leibniz's rule find the derivative of the function $f(x) = \int_x^{x^2} t\, dt$.

SECTION- B

II. Answer any FOUR of the following: (5x4=20)

1. Express $\begin{bmatrix} 1 & 1 & 1 \\ 2 & 2 & 3 \\ 1 & 4 & 9 \end{bmatrix}$ as the sum of symmetric and skew symmetric matrix.
2. Define binary operation on the set of non negative integers by $m * n = m^3 + n^2$. Does this operation have,
   i) unit element?
   ii) an inverse for every element?
3. Find all the second order derivatives of a function $f(x,y) = xcosy + ye^x$.
4. Define Area of the Bounded Region in the plane. Find the area of the region enclosed by parabola $y = x^2$ and the line $y = x + 2$.
5. Find the rank of the matrix $\begin{bmatrix} 1 & 3 & 4 & 5 \\ 3 & 9 & 12 & 3 \\ 1 & 3 & 4 & 1 \end{bmatrix}$ by reducing into row-reduced echelon form.
6. i) Find the number of generator of cyclic group of order 36.
   ii) Evaluate $\int_0^{\frac{3}{2}} \int_0^{9-4x^2} 16x\, dy\, dx$.

Contd...2

SECTION - C

III. Answer any TWO of the following: **(10x2=20)**

1. Prove that the matrix $A = \begin{bmatrix} 1 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$ satisfy its characteristic equation. Also find A^{-1}.

2. i) Show that a non-empty subset H of group G is a subgroup of $G \iff ab^{-1} \in H$ whenever $a, b \in H$.
   ii) Let G be a group such that $a^2 = e$ for every $a \in G$. Show that G is abelian. Is the result true if $a^3 = e \; \forall a \in G$? Justify.

3. i) If $u = \cot^{-1} \frac{x+y}{\sqrt{x}+\sqrt{y}}$, show that $x\frac{\partial u}{\partial x} + y\frac{\partial u}{\partial y} + \frac{1}{4}\sin(2u) = 0$.
   ii) Find all the second order partial derivatives of $f(x, y) = \tan^{-1} \frac{x}{y}$.

4. i) Find the volume of the region D enclosed by the surface $z = x^2 + 3y^2$ and $z = 8 - x^2 - y^2$.
   ii)Change the integral $\int\int_R e^{(x^2+y^2)}\, dx\, dy$ into equivalent polar integral, where R is semicircular region bounded by $x - axis$ and the curve $y = \sqrt{1 - x^2}$ and hence evaluate the integral.

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(2024 Batch Onwards)

PS1DUDC153 Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

B.Sc. Semester II – Degree Examination

April/May - 2025

STATISTICS - II

Probability and Discrete Distributions

Time: $2\frac{1}{2}$ Hours. Max Marks: 60

Instructions: Answer all the three sections - A, B and C
Draw Diagrams wherever necessary.

SECTION – A

I. Answer any TEN of the following: (10x2=20)

1. State the addition theorem of probability for any two events.
2. Briefly explain the mutually exclusive events with an example.
3. Define favorable event with an example.
4. Define mathematical expectation of the random variable in discrete case.
5. Define continuous random variable.
6. Prove that if X is a random variable and a is a constant then E(aX)=aE(X).
7. Write the definition of Bernoulli distribution.
8. Write the expression for r^{th} raw moments for a discrete random variable.
9. Prove that sum of the probabilities of Poisson distribution is 1.
10. Explain NaN and Inf values in R.
11. Prove that if X is a random variable then $V(X) = E(X^2) - [E(X)]^2$.
12. Explain the assignment operator in R.

SECTION – B

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

1. Prove the following i)P(A∩B')=P(A)-P(A∩B) ii)P(A'∩B)=P(B)-P(A∩B).
2. If the event A and B are independent then prove that the events A and B' are also independent.
3. Derive the expression for recurrence relation of Binomial Probabilities.
4. State and prove multiplication theorem of expectation.
5. State and prove the additive property of Poisson distribution.
6. Explain with example: rep(), tan(), factorial(), sqrt(), exp().

SECTION – C

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

1. State and prove Boole's inequality.
2. a. For two random variables X and Y, find V(X+Y).
   b. Prove that the conditional probability satisfies the axioms of probability.
3. Derive the expression for mode of Poisson distribution.
4. a. Explain with example: seq(), abs(), sin(), exp(), log().
   b. Explain the methods of extracting a subset from the vector.

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(2024 Batch onwards)

PS1EUDC154 Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

B.Sc. Semester II – Degree Examination

April/May - 2025

ELECTRONICS

ANALOG AND DIGITAL CIRCUITS

Time: 2 ½ hrs **Max Marks: 60**

Instructions: Answer all the three sections-A, B and C.
Draw Diagrams wherever necessary

SECTION- A

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

1) Write any three functions of biasing circuits.
2) Write any four characteristics of ideal operational amplifier.
3) What is meant by phase inversion? Draw the input and output wave forms of a CE amplifier.
4) A difference amplifier has differential input signal voltage of 0.01V and output signal voltage of 1V. Calculate its differential gain.
5) Define Input offset voltage and bias current of an operational amplifier.
6) Write any four advantages of negative feedback.
7) Draw the circuit diagrams of inverting amplifier and non-inverting amplifier using op-amp in open loop configuration.
8) Draw the circuit diagram of a First order Low pass Butterworth filter and give the equation for the cutoff frequency.
9) Draw the logic circuit diagram D Flip Flop and hence write the truth table.
10) Define a)Encoder and b) DEMUX
11) What do you mean by positive and negative logic?
12) Draw the circuit diagram and truth table of a half adder.

SECTION- B

II. Answer any FOUR of the following. **(5x4=20)**

1) A difference amplifier has common mode output signal of 2V for a common mode input signal of 20V. The differential output voltage of the same amplifier is 1V for a difference voltage of 0.02V. Calculate its CMRR and express it in decibels.
2) Draw the circuit diagram of a fixed bias and obtain the expression for its dc load-line.
3) Compare the performance parameters of CE, CB and CC amplifiers and explain why CE amplifier is widely used.
4) Implement the following Boolean expression in to a 4 to 1 Mux
   $F(A,B,C) = \Sigma(0, 1, 2, 6,7)$
5) Using combinational circuit design procedure design 8 X 3 encoder.

Contd...2

6) Draw the circuit diagram of a dual input balanced output difference amplifier using Transistors and explain its working.

SECTION- C

III. Answer any <u>TWO</u> full questions. **(10x2=20)**

1.a) Draw the circuit diagram of Universal bias and obtain its Thevenin 's Equivalent circuit.

b) Show that the Q point is independent of β_{dc} in the case of universal bias.

2. a) Obtain ac equivalent circuit of a CE amplifier using small signal h-parameter equivalent of transistor. Hence derive the equation for the voltage gain and power gain of the amplifier.

b) A difference amplifier has common mode output signal of 1V for a common mode input signal of 10V. The differential output voltage of the same amplifier is 1V for a difference voltage of 20mV. Calculate its CMRR and express it in decibels.

3. a) With a circuit diagram using NAND gates, explain clocked RS flip flop. Hence draw the timing diagram.

b) Design a Full Adder using the combinational circuit design procedure.

4. a) With a circuit diagram explain the working of a Totem pole TTL NAND gate.

b) Design a 8421 code to excess-3 code converter circuit using combinational circuit procedure.

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(2024 Batch onwards)

LC7AUAE173 Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

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

April/May - 2025

ENGLISH

Time: 2½ hrs. **Max. Marks: 60**

UNIT - I (PROSE)

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

1. In the chapter 'Black Money and Black Economy, the word 'benami' literally means _____.
2. Who founded the Mazdoor Kisan Shakthi Sangathana (Workers' and Farmers' Unity Union)?
3. Who lost his life trusting to the wisdom of crows as mentioned in the text 'On Superstitions'?
4. According to Aruna Roy, the biggest horror for any individual or community is _____.
5. According to George Orwell, serious sport has nothing to do with _____.

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

1. Justify the author's preference to walk around the ladder than under it, as mentioned in the text 'On Superstitions'?
2. What are the different sectors identified by the white paper that are vulnerable to the generation of black money?
3. Why does George Orwell feel that at the international level sport is frankly mimic warfare?
4. What solutions does Aruna Roy recommend to ensure that disadvantaged sections of society get a better deal?

UNIT - II (POETRY)

II. Answer any TWO of the following in about 150-180 words each: **(2x5=10)**

1. How can life be lost if you are earning your living? Explain with reference to the poem 'Don'ts'.
2. Describe the hopes and dreams that the speaker in Owen's poem 'Strange Meeting' seem to share.
3. How does the poet explore the concept of time in the poem, 'Afterwards'?
4. The poem 'Ulysses' examines the contrast between youth and old age. Explain.

UNIT - III (SHORT STORY)

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

1. In your opinion, who deserves credit for Lushkov turning his life around? Provide reasons for your answer.
2. Describe the boat's fateful encounter with the canoe the Santa Rosa in the short story 'The Empire of Ants'.
3. What did the inspection of the Santa Rosa reveal about the dangerous ants in the short story 'The Empire of Ants'?
4. Write a note on Lushkov's journey from being in the Russian choir to working at the notary office with reference to the short story 'The Beggar'?

Contd...2

UNIT – IV (GRAMMAR AND WRITING SKILLS)

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

1. Akshay, can you pass me _____ salt.
2. Surendra was _____ great orator and statesman.
3. _____ one thing I need right now is some peace and quiet.
4. I saw _____ amazing one-minute video on social media.
5. Copper is _____ useful metal.

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

(since, for, among, between, against, at, from, with)

1. I have been waiting _____ you at the café.
2. She was sitting _____ her friends at the table.
3. My friend has lived in this city _____2010
4. The meeting is scheduled _____2p.m. and 4p.m.
5. The citizens protested _____ the new government policies.

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

1. He hardly slept last night because of the noise. _____
2. Rihanna never acts so rudely, _____
3. She will help you with the project tomorrow. _____
4. The mother scolded her son for not cleaning his room._____
5. He enjoys reading books in his free time. _____

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

(demeanour, squeamish, progeny, idealist, pauper, egotist, indelible, prescribe)

1. Easily upset by unpleasant sights or situations
2. The way somebody looks or behaves.
3. A very poor person.
4. One who pursues noble principles and goals.
5. The young of animals and humans.

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(2024 - Batch onwards)

LC7CUAE174/VS8AUAE174c Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

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

April - 2025

ADDITIONAL ENGLISH

Time: 2½ hrs. Max Marks: 60

UNIT - I (PROSE)

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

1. How does Steve Jobs use his personal experience with cancer to emphasize the importance of living meaningfully?
2. Comment on the social experiment discussed in the text "A Hindu and a Muslim Started Living Together".
3. Discuss the theme of insanity in "Toba Tek Singh" by Manto.
4. Critically comment on the objectification of women in Kerala as elucidated by Pillai in the text "Savitri's Revenge". Cite suitable examples to justify your answer.

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

1. Who is 'Toba Tek Singh'? Discuss the pain of partition in his life?
2. Discuss role of patriarchy in the lives of 'Namboodari women'. Support your answers with examples from the text "Savithri's Revenge".

UNIT – II (NOVEL)

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

1. What role does friendship play in Andy's survival and eventual escape from Shawshank? Elucidate your answer with reference to the novel *Shawshank Redemption* by Stephen King.
2. "Hope drives the inmates at Shawshank and gives them the will to live." Discuss.

UNIT - III (POETRY)

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

1. Leaving behind nights of terror
   And fear, I rise
   Into a daybreak that's
   Wondrously clear, I rise
   Bringing the gifts that my
   Ancestors gave,
   I am the dream and the hope of the slave
   I rise
   I rise
   I rise

2. What you think of prospects of world peace?
   Pakistan behaving like this,
   China behaving like that,
   It is making me really sad,
   I am telling you.
   Really, most harassing me.
   All men are brothers, no?
   In India also Guajaratis, Maharashtras,
   Hindiwallahs All brothers -

Contd...2

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

1. How does Maya Angelou's personal life and experiences influence the themes of "Still I Rise". Provide examples from the poem.
2. Examine how the poem "The Patriot" by Nissim Ezekiel uses simple language to communicate complex social and political ideas.
3. How does Wilfred Owen use imagery and symbolism to convey the emotional and psychological impact of war on individuals?

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
   a) Magician b) rogue c) liar d) imposter
2. A person who knows many foreign languages
   a) Linguist b) grammarian c) polyglot d) bilingual
3. The mistake of placing something in the wrong period of time
   a) Misdate b) Anachronism c) Misplacement d) Prolepsis
4. A remedy for all diseases
   a) Medicine b) medical c) medica d) panacea
5. A person who insists on something
   a) Disciplinarian b) stickler c) instantaneous d) boaster

B. Fill in the blanks with appropriate collocations from the options given below. (1x5=5)

1. The picture in the gallery _____ (Consists of/consist of/consists in) toothpicks stuck on the canvas.
2. Champa _____ (arrived to/arrived at/arrived in) Mauritius yesterday.
3. The issue of non-compliance is not really _____ (relevant to / relevant of/relevant with) our discussion.
4. After taking a general course she decided to _____ (specialize at / specialize in / specialize on) tropical medicine.
5. Could you add this up for me? I am not very _____ (good in/good at/good with) numbers.

C. Write a movie review for any movie that you have watched recently. **(1x5=5)**

OR

Write a travelogue on any place of your choice.

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(2024 batch onwards)

LC7EUAE174e Reg. No.

ಸಂತ ಅಲೋಶಿಯಸ್ ಪರಿಗಣಿತ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಮಂಗಳೂರು

ಬಿ.ಎಸ್ಸಿ. – ಎರಡನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

ಎಪ್ರಿಲ್/ಮೇ - 2025

ಕನ್ನಡ ಭಾಷಾಪತ್ರಿಕೆ – 2

ಸಮಯ : 2½ ಘಂಟೆ ಗರಿಷ್ಠ ಅಂಕ: 60

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

1. 'ಹುಲಿಕಲ್ಲು ನೆತ್ತಿಯ' ದಟ್ಟ ಕಾಡಿನ ವರ್ಣನೆ 'ಮಲೆಗಳಲ್ಲಿ ಮದುಮಗಳು' ಕೃತಿಯಲ್ಲಿ ಮೂಡಿ ಬಂದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ
2. 'ಸಾಹಸಿಗೆ ಯಾವುದೂ ಅಸಾಧ್ಯವಲ್ಲ' ಎಂಬುದನ್ನು ಕವಿತಾ ಮಿಶ್ರಾ ಅವರು ಸಾಬೀತುಪಡಿಸಿದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ
3. ನಾಗರೀಕತೆಯಿಂದ ಮುಗ್ಧತೆಯ ಮೃತ್ಯುವಿನ ಚಿತ್ರಣ 'ದೋಣಿಯ ಹಾಡು' ಕವಿತೆಯಲ್ಲಿ ಹೇಗೆ ನಿರೂಪಣೆಗೊಂಡಿದೆ? ವಿವರಿಸಿ
4. ರಂಗಣ್ಣನು ಬೇರೆ ಊರಿಗೆ ತನಿಖೆಗೆ ಹೋದಾಗ ಆದ ಅನುಭವವನ್ನು ವಿಶದೀಕರಿಸಿ
5. ಖಗೋಳಶಾಸ್ತ್ರಜ್ಞ ಹಾಗೂ ಗಣಿತ ಶಾಸ್ತ್ರಜ್ಞ ಭಾಸ್ಕರಾಚಾರ್ಯರ ಗ್ರಾಂಥಿಕ ಕೊಡುಗೆಗಳೇನು? ವಿವರಿಸಿ
6. ಭರತನು ಅವಮಾನಿತನಾಗಲು ಕಾರಣವೇನು? ವಿಮರ್ಶಿಸಿ

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

7. ಭಾವನೆಗಳ ಹಿಂದಿರುವ ಮುಗ್ಧತೆಯು ನಾಶವಾಗುವ ಪ್ರಕ್ರಿಯೆಯು 'ಚಿಟ್ಟೆ ಮತ್ತು ಮೇಷ್ಟ್ರು' ಕವಿತೆಯಲ್ಲಿ ಅನಾವರಣಗೊಂಡ ಬಗೆಯನ್ನು ವಿವರಿಸಿ
8. 'ಬಾನಕ್ಕಿ'ಯ ಆಕಾಶ ಗಮನ ಹಾಗೂ ಗಾನದ ಭವ್ಯತೆಯನ್ನು ವಿವರಿಸಿ
9. ಪ್ರಕೃತಿ ಪರಿವರ್ತನೆಯ ಮಹತ್ವವನ್ನು 'ಆಂಗಳದ ಆರಳಿ' ಕವಿತೆಯ ಹಿನ್ನಲೆಯೊಂದಿಗೆ ವಿವರಿಸಿ
10. ಜೀವನದ ಇರವಿನ ಅನುಭಾವವು ಉಮರನ ಒಸಗೆಯಲ್ಲಿ ಮೂಡಿಬಂದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ
11. ನದಿಯ ನಿಗೂಢತೆಯು 'ಶಾಲ್ಮಲಾ' ಕವಿತೆಯಲ್ಲಿ ಹೇಗೆ ಬದುಕಿನ ಪ್ರತಿಬಿಂಬವಾಗಿದೆ?
12. ಮಾನವ ಶರೀರ ವಿಜ್ಞಾನಿ ಚರಕನ ಕೊಡುಗೆಗಳೇನು?

III ಒಂದು ಪದ್ಯಭಾಗದ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಪದ್ಯದ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ **4 X1= 04**

13. ಇನಿಯವು ಮೊದಲೊಳ್ ನಂಜಿನ
ಪನಿವೊಲ್ ಬಟ್ಟಿಕೆಯ್ದಿ ಮುಳಿದು ಕೊಂದಿಕ್ಕುವುವಿಂ
ತೆನೆಯೆನೆ ವಿಷಯಸುಖಾಸ್ವಾ
ದನದೊಳ್ ಲಂಪಟರಿದೇಕೆಯೋ ನರಪಶುಗಳ್

14. ಭೂಲೋಕದಲಿ
ಯಾವ ಮೂಲೆಯ ಒಳಗೊ
ರಣವಾದ್ಯ ಮೊಳಗುತಿತ್ತು
ಮರಮರದ ಮೇಲೆಲ್ಲ ನೋವು ಕೂಗುತ್ತಿತ್ತು
ಸತ್ತವರ ನಿಟ್ಟುಸಿರು ಪ್ರೇತವಾಗಿ

Contd...2

IV ಎರಡು ಪದ್ಯ ಸಾಲುಗಳ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಸಾಲಿನ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ 2X2= 04

15. ಇಸ್ಸೀ ಮೈತುಂಬ ಮುಳ್ಳು ಕರ್ರಗೆ ಕರಡಿ ಜುಂಗಿನಂತೆ
16. ಅಂಗಳದ ಹಿರಿಯರಳಿ ಚಿಗುರದಿದೆ ಮಾಗಿಯಲಿ ಹಿಂದುಳಿದಿದೆ
17. ಸುಮಧುರ ಗಾನದಲಿ ಸಂತವಿರಿಸುವ ಕುಲೀನ ಕನ್ನಿಕೆಯೊ ನೀನು?
18. ಮರೆಯಾಗಿ ಬಳಿಕಿದನು ಕಿರಿಯರ್ಗೆ ಬಿಡುವಂ

V ಅ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ 3X2= 06

19. ನದಿಗಳ ನಿಗೂಢ ಹರಿವು - ಪ್ರಕೃತಿಯ ವಿಸ್ಮಯ
20. ಉಮರ್ ಖಯ್ಯಾಮ
21. ಭರತ ಬಾಹುಬಲಿ
22. ಮಂಜೇಶ್ವರ ಗೋವಿಂದ ಪೈ

ಆ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ 3X2= 06

23. ಹಣ್ಣಿನ ಫಸಲಿನಿಂದ ಕವಿತಾ ಮಿಶ್ರ ಪಡೆದ ಲಾಭ
24. ರಂಗಪ್ಪನ ಮಕ್ಕಳ ಶೈಕ್ಷಣಿಕ ಪಟ್ಟ
25. ನಾಗತ್ತೆ ಪಾತ್ರ ಪರಿಚಯ
26. ಮಿಸೈಲ್‌ಮ್ಯಾನ್ ಖ್ಯಾತಿಯ ಅಬ್ದುಲ್ ಕಲಾಂ

VI ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ 1X10= 10

27. 'ಕಾನೂರು ಹೆಗ್ಗಡತಿ' ಎಂಬ ಕಾದಂಬರಿಯನ್ನು ಯಾರು ಬರೆದರು?
28. 'ಬಾನಕ್ಕಿಗೆ' ಕವಿತೆಯ ಮೂಲವಾಗಿರುವ ಆಂಗ್ಲ ಭಾಷೆಯ ಕವಿತೆ ಯಾವುದು?
29. ಶ್ರೀಗಂಧದ ಮರಗಳನ್ನು ಕಳ್ಳರಿಂದ ರಕ್ಷಿಸಲು ಯಾವ ವ್ಯವಸ್ಥೆಯನ್ನು ಅಳವಡಿಸಲಾಗಿದೆ?
30. ಸಿದ್ಧಲಿಂಗಯ್ಯನವರ ಆತ್ಮಕಥೆಯ ಹೆಸರೇನು?
31. ಶ್ರೀಕೃಷ್ಣ ಆಲನಹಳ್ಳಿಯವರ ಯಾವ ಕೃತಿ ಸಿನಿಮಾ ಆಗಿ ಹೆಚ್ಚು ಖ್ಯಾತಿಯನ್ನು ತಂದುಕೊಟ್ಟಿತು?
32. ಉಮರ್ ಖಯ್ಯಾಮನ ರುಬಾಯ್ಯತನ್ನು ಇಂಗ್ಲಿಷಿಗೆ ಅನುವಾದಿಸಿದವರು ಯಾರು?
33. ಸಿ. ವಿ. ರಾಮನ್ ಅವರ ಮೊದಲನೆ ಸಂಶೋಧನಾ ಲೇಖನದ ಹೆಸರೇನು?
34. ಚಿಗುರು, ತೆನೆ, ಹಸಿರು ಇವೆಲ್ಲ ಬದುಕಿನ ಬೆಳವಣಿಗೆಯ ------ [ಆಯ್ಕೆ ಮಾಡಿ ಬರೆಯಿರಿ : ಪ್ರತೀಕಗಳು, ಸಂಕೇತಗಳು, ಪ್ರತ್ಯಯಗಳು]
35. ಪಂಪನ 'ಆದಿಪುರಾಣ'ದಲ್ಲಿ ಎಷ್ಟು ಆಶ್ವಾಸಗಳಿವೆ?
36. ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಇಂಗ್ಲಿಷ್-ಕನ್ನಡ ನಿಘಂಟಿಗಾಗಿ ಅಪರೂಪದ ಸೇವೆ ಸಲ್ಲಿಸಿದ ಸಾಹಿತಿ ಯಾರು?

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(2024 batch onwards)

LC7EUAE174d

Reg. No. | | | | | | | | |

ಸಂತ ಅಲೋಶಿಯಸ್ ಪರಿಗಣಿತ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಮಂಗಳೂರು

ಬಿ.ಸಿ.ಎ. / ಡೇಟಾ-ಸೈನ್ಸ್ – ಎರಡನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

ಎಪ್ರಿಲ್/ಮೇ - 2025

ಕನ್ನಡ ಭಾಷಾಪತ್ರಿಕೆ – 2

ಸಮಯ : 2½ ಘಂಟೆ ಗರಿಷ್ಠ ಅಂಕ: 60

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

1. 'ಬದುಕು ಕಾಯುವುದಿಲ್ಲ' ಕಥೆಯ ಆಶಯವನ್ನು ಸಂಯುಕ್ತಾ-ವಿಶು ದಾಂಪತ್ಯ ಜೀವನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ
2. 'ಕೊನೆಯ ಗಿರಾಕಿ' ಕಥೆಯ ಆಶಯವನ್ನು 'ಕಾಣಿ'ಯ ಮೇಲಾಗುವ ಅನ್ಯಾಯದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ
3. 'ವ್ಯಾಕ್ಸಿನ್ ಒಬ್ಬ ಪೈಲ್ವಾನ್ ಇದ್ದ ಹಾಗೆ' ಎಂಬುದನ್ನು ವ್ಯಾಕ್ಸಿನ್ ಪೈಲ್ವಾನ್ ನಾಟಕದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ
4. ಕುರುಕ್ಷೇತ್ರ ಯುದ್ಧವು ದುರ್ಯೋಧನನ ಬದುಕಿನಲ್ಲಿ ಉಂಟುಮಾಡಿದ ದುರಂತವನ್ನು 'ದುರ್ಯೋಧನ ವಿಲಾಪ' ಕಾವ್ಯಭಾಗದ ಆಶಯದೊಂದಿಗೆ ವಿವರಿಸಿ
5. ಹಣವು ಇಹ-ಪರಗಳೆರಡಕ್ಕೂ ದುಃಖವನ್ನುಂಟು ಮಾಡುವ ಬಗೆಯನ್ನು ಪುರಂದರದಾಸರ ಕೀರ್ತನೆಯ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ
6. 'ಬೂದಿಯಿಂದ ಮೇಲೆದ್ದ ದೈತ್ಯ ಜಪಾನ್' ಲೇಖನವು ವಿವರಿಸಿದ ಜಪಾನ್‌ನ ಸಾಮರ್ಥ್ಯವೇನು? ವಿವರಿಸಿ

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

7. ಹರೇಕಳ ಮೊಯ್ದಿನ್ ಅವರ ಪರಿಸರ ಕಾಳಜಿಯನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಪರಿಚಯಿಸಿ
8. 'ಕಂಪ್ಯೂಟರ್'ನಲ್ಲಿ ಕನ್ನಡ ಬಳಕೆಯನ್ನು ಕುರಿತು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಬರೆಯಿರಿ
9. ಕನ್ನಡ ಸಾಹಿತ್ಯ ಪರಿಷತ್ ಸ್ಥಾಪನೆಯ ಹಿನ್ನೆಲೆ ಕುರಿತು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಬರೆಯಿರಿ.
10. ಮನದನ್ನೆ ಕವಿತೆಯನ್ನು ಕುರಿತು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಬರೆಯಿರಿ
11. ವ್ಯಾಕ್ಸಿನ್ ಪೈಲ್ವಾನ್ ನಾಟಕದಲ್ಲಿ ಶಂಭಣ್ಣನ ಪಾತ್ರ ಚಿತ್ರಣದ ಬಗ್ಗೆ ಬರೆಯಿರಿ
12. ನವಿಲೂರ ಮನೆಯಿಂದ ತಂದ ನುಡಿಯನ್ನು ಬಳೆಗಾರ ಚೆನ್ನಯ್ಯ ರಾಯರಿಗೆ ಅರುಹಿದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ

III ಒಂದು ಪದ್ಯಭಾಗದ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಪದ್ಯದ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ **4 X1= 04**

13. ಮುಳಿಸು ಮಾವನ ಮೇಲೆ; ಮಗಳೇನ ಮಾಡಿದಳು?
ನಿಮಗೇತಕೀ ಕಲ್ಲು ಮನಸು?
ಹೋಗಿ ಬನ್ನಿರಿ, ಒಮ್ಮೆ ಕೈಮುಗಿದು ಬೇಡುವೆನು
ಅಮ್ಮನಿಗೆ ನಿಮ್ಮದೇ ಕನಸು

14. ನೀನಿಲ್ಲದರಸುಗೆಯ್ವನೆ
ನೀನಿಲ್ಲದೆ ಬಾಟಿಸ್ಪಿನೆಂದು ಬಗೆದಪ್ಪೆನೆ ಪೇಟಿಕ್
ನೀನಿಲ್ಲದಹಿತರೊಳ್ ಸಂ
ಧಾನಂ ಮಾಡುವೆನೆ ಕೂಡದಂಗಾಧಿಪತೀ

Contd...2

IV ಎರಡು ಪದ್ಯ ಸಾಲುಗಳ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಸಾಲಿನ ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ 2X2= 04

15. ನಿನ್ನ ತಾಯ್ತನದ ಸೈರಣೆಯ ವಿತರಣೆ ಬೇಕು
16. ಕೊಂತಿ ಬೇಡೆ ಬೆಗಡದೆ ಕೊಟ್ಪಯ್ ಪುರಿಗಣೆಯಂ
17. ನೆಂಟರ ಇಷ್ಟರ ಮರೆಸೋದು ರೊಕ್ಕ
18. ಬಳೆಯ ತೊಡಿಸುವುದಿಲ್ಲ ನಿಮಗೆ

V ಅ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ 3X2= 06

19. ಬಳೆಗಾರನು ಕಂಡ ರಾಯರ ಪತ್ನಿಯ ಮನಸ್ಥಿತಿ
20. ಪುರಂದರದಾಸರು
21. ರನ್ನಕವಿಯ 'ಸಾಹಸ ಭೀಮ ವಿಜಯಂ' ಕಾವ್ಯ
22. 'ಮಾಡದಿರು ಬಾಳನ್ನು ಬೇಳೆಯಂತೆ' ಎಂಬ ನುಡಿಯ ಅರ್ಥವನ್ನು ಮನದನ್ನೆ ಕವಿತೆಯ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಬರೆಯಿರಿ

ಆ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ 3X2= 06

23. ವಿಶೂವಿನ ಯಶಸ್ಸಿನ ಕಲ್ಪನೆ
24. ದೀಪ್ತಿ ಎಸ್ ಆರ್ ಅವರ ಸಂಕ್ಷಿಪ್ತ ಪರಿಚಯ ಬರೆಯಿರಿ
25. ನುಡಿ ಕೀಲಿಮಣೆ
26. ಆಡಳಿತದ ಗಣಕೀಕರಣ ವಿರೋಧಿಸುವ ಋಣಾತ್ಮಕ ಮಾನಸಿಕತೆ

VI ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ 1X10= 10

27. ಹರೇಕಳ ಎಂಬ ಊರು ಯಾವ ನದಿಯ ತಟದಲ್ಲಿದೆ?
28. 'ಮೈಸೂರು ಮಲ್ಲಿಗೆ' ಕವನ ಸಂಕಲನವನ್ನು ಬರೆದ ಕವಿ ಯಾರು?
29. 'ಮನದನ್ನೆ' ಪದ್ಯವನ್ನು ಬರೆದ ಕವಿ ಯಾರು?
30. ನೇಮಿಚಂದ್ರರ ಹುಟ್ಟೂರು ಯಾವುದು?
31. ಸಾವಿನಂಚಿನ ಸಂವಾದ ಲೇಖನವನ್ನು ಬರೆದವರು ಯಾರು?
32. ಕರ್ಣನ ಮಗನ ಹೆಸರೇನು?
33. ರೊಕ್ಕ ಎರಡಕ್ಕೂ ದುಃಖ - ಪದ್ಯವನ್ನು ಬರೆದವರು ಯಾರು?
34. 'ಕೊನೆಯ ಗಿರಾಕಿ' ಕತೆಯಲ್ಲಿ ಕೊನೆಯ ಗಿರಾಕಿ ಯಾರು?
35. ಯಾವುದಾದರು ಎರಡು ವೈರಸ್ ರೋಗಗಳನ್ನು ಹೆಸರಿಸಿ
36. ಜಪಾನಿನ ಯಾವ ನಗರಗಳ ಮೇಲೆ ಅಣುಬಾಂಬ್ ದಾಳಿ ನಡೆಯಿತು?

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Reg. No. | | | | | | | | |

St Aloysius (Deemed to be University)
Mangaluru
B.A./ B.Com./B.B.A./B.Sc./B.C.A. - Semester II – Degree Examination
April / May - 2025

HINDI

Time: 2½ hrs. **Max Marks: 60**

I किन्हीं दो प्रश्नों के उत्तर लिखिए : (2x5=10)

1. हिंदी की संविधानिक स्थिति पर प्रकाश डालिए।
2. प्रयोजनमूलक हिन्दी की विशेषताओं को लिखते हुए उसके विविध प्रयोग क्षेत्र को समझाइए।
3. राजभाषा तथा संपर्क भाषा के रूप में हिंदी के मुख्य विषय पर प्रकाश डालिए।
4. संसदीय समिति की सिफारिशों पर प्रकाश डालिए।

II अ) किसी एक प्रश्न का उत्तर लिखिए : (1x5=05)

1. टिप्पण लेखन किसे कहते हैं? टिप्पण लेखन के प्रकारों को विस्तार से समझाइए।
2. साहित्यिक संस्था ; ज्ञान-प्रसार समिति' द्वारा आयोजित कुवेंपु जयन्ती पर प्रतिवेदन लिखिए।

आ) निम्नलिखित शब्दों के हिंदी रूप लिखिए : (5x1=05)

1. Commissioner
2. Technical
3. Fund
4. Supervisor
5. Act

III एक वाक्य में उत्तर लिखिए : (10x1=10)

1. चरणजीत कौन-सा काम करता था?
2. प्रताप कॉलेज के समय में किसको चाहता था?
3. कानूनी सहायता केंद्र को खोलने का उद्देश्य क्या था?
4. चरणजीत की दशा किसके तरह हो गई थी?
5. पोस्टर और आदमी कविता के रचनकार कौन है?
6. पति हड़बड़ी में क्या भूल जाता है?
7. श्रद्धा किस देश की कन्या थी?
8. गाँव के किस शहर में हिंदू मुसलमान का दंगा हुआ?
9. प्रभात का ग्वाला किसको हाँक कर ला रहा है?
10. प्रथम दिवस वानर वाहिनी कैसे लौट रही थी?

Contd...2

IV अ) निम्नलिखित किसी एक पद्यांश का संदर्भ सहित व्याख्या कीजिए : (1x5=05)

1. "और देखा वह सुंदर दृश्य नयन का इंद्रजाल अभिराम;
कुसुम-वैभव में लता समान चंद्रिका से लिपटा घन श्याम ।
हृदय की अनुकृति बाह्य उदार एक लंबी काया, उन्मुक्त;
मधु पवन क्रीड़ित ज्यों शिशु साल सुशोभित हो सौरभ संयुक्त ।"

2. "उदयाचल से किरन-धेनुएँ,
हाँक ला रहा वह प्रभात का ग्वाला ।
पूँछ उठाए चली आ रही,
दिखा रहे पथ इस भूमि का
सारस, सुना-सुना बोली ।"

आ) किसी एक पात्र का चरित्र-चित्रण लिखिए : (1x5=05)

1. हरमिंदर
2. बहादुर

V किसी एक प्रश्न का उत्तर लिखिए : (1x10=10)

1. 'किरण धेनुएँ' कविता के आधार पर प्रात:कालीन प्राकृतिक सौन्दर्य का वर्णन कीजिए ।
2. कामायनी के 'श्रद्धा सर्ग' का मूल्यांकन कीजिए ।

VI किसी एक प्रश्न का उत्तर लिखिए : (1x10=10)

1. पठित उपन्यास 'सेवा और समर्पण' में सभ्य नारी के रुप में चित्रित निक्की के जीवन पर प्रकाश डालिए ।
2. 'सेवा और समर्पण' उपन्यास के आधार पर प्रताप का चरित्र-चित्रण कीजिए ।

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(2024 batch onwards)

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St Aloysius (Deemed to be University)
Mangaluru
B.C.A./Data Science - Semester II - Degree Examination
April / May - 2025
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 मरुस्तल्यां यथा वृष्टिः क्षुधार्ते भोजनं तथा ।
दरिद्रे दीयते दानं सफलं पाण्डुनन्दन ॥

1.3 इज्याध्ययनदानानि तपः सत्यं धृतिः क्षमा ।
अलोभ इति मार्गोऽयं धर्मस्याष्टविधः स्मृतः ॥

1.4 श्रूयतां धर्मसर्वस्वं श्रुत्वा चैवावधार्यताम् ।
आत्मनः प्रतिकूलानि परेषां न समाचरेत् ॥

2 त्रीन् कर्णाटकभाषया आङ्लभाषया वा प्रबन्धात्मकमुत्तरं लिखत । 3 x 5 = 15

2.1 स्नातकोपदेशः पाठोक्त विचारान् लिखत ।
2.2 अतिलोभो विनाशाय पाठस्य सारमधिकृत्य लिखत ।
2.3 न्यायवादि बिडालः पाठोक्त विचारान् लिखत ।
2.4 नहुषोपाख्यानम् पाठोक्तरीत्या विशदयत ।
2.5 सगरकथा पाठस्य सारं लिखत ।

3 द्वौ कर्णाटकभाषया आङ्लभाषया वा टिप्पणीं लिखत । 2 x 4 = 08

3.1 नहुषः ।
3.2 हितोपदेशः ।
3.3 विष्णुशर्मः ।

4 त्रीन् सप्रसङ्गं विवृणुत । 3 x 4 = 12

4.1 स्वाध्यायप्रवचनाभ्यां न प्रमदितव्यम् ।
4.2 कथं मारात्मके त्वयि विश्वासः ।
4.3 जगत् अनीश्वरं बभूव ।
4.4 अहिंसा एव धर्ममार्गः ।
4.5 सत्यं वद । धर्मं चर ।

Contd...2

5 एकं संस्कृतेन टिप्पणीं लिखत । **1 x 5 = 05**

5.1 महाभारतम् ।

5.2 उपनिषद् ।

5.3 पञ्चतन्त्रम् ।

6 व्याकरणम् । **10 x 1 = 10**

रिक्तस्थानानि पूरयत ।

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

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

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

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

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

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

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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(2024 batch onwards)

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St Aloysius (Deemed to be University)
Mangaluru
B.Sc. - Semester II Degree Examination
April / May - 2025
SANSKRIT

Time:2½ Hrs Max Marks: 60

1 द्वौ अनुवादं कृत्वा विवृणुत । 2 x 5 = 10

1.1 मरुस्तल्यां यथा वृष्टिः क्षुधार्ते भोजनं तथा ।
दरिद्रे दीयते दानं सफलं पाण्डुनन्दन ॥

1.2 सर्वस्य हि परीक्ष्यन्ते स्वभावा नेतरे गुणाः ।
अतीत्य हि गुणान् सर्वान् स्वभावो मूर्ध्नि वर्तते ॥

1.3 मानाद्वा यदि वा लोभात् क्रोधात् वा यदि वा भयात् ।
यो न्यायं अन्यथा ब्रूते स याति नरकं नरः ॥

1.4 संक्षेपात् कथ्यते धर्मः जनाः ! किं विस्तरेण वः ।
परोपकारः पुण्याय पापाय परपीडनम् ॥

2 त्रीन् कर्णाटकभाषया आङ्लभाषया वा प्रबन्धात्मकमुत्तरं लिखत । 3 x 5 = 15

2.1 स्नातकोपदेशः पाठोक्त विचारान् लिखत ।

2.2 अतिलोभो विनाशाय पाठस्य सारमधिकृत्य लिखत ।

2.3 न्यायवादि बिडालः पाठोक्त विचारान् लिखत ।

2.4 नहुषोपाख्यानम् पाठोक्तरीत्या विशदयत ।

2.5 सगरकथा पाठस्य सारं लिखत ।

3 द्वौ कर्णाटकभाषया आङ्लभाषया वा टिप्पणीं लिखत । 2 x 4 = 08

3.1 नहुषः ।

3.2 हितोपदेशः ।

3.3 विष्णुशर्मः ।

4 त्रीन् सप्रसङ्गं विवृणुत । 3 x 4 = 12

4.1 अहं इन्द्रस्य राज्यरत्नहरः ।

4.2 लिखितमपि ललाटे प्रोज्झितुं कः समर्थः ।

4.3 अहो ! किं अद्य कपिञ्जलः न आयाति?

4.4 यथा प्रकृत्या मधुरं गवां पयः ।

4.5 स्वाध्यायप्रवचनाभ्यां न प्रमदितव्यम् ।

Contd...2

5 एकं संस्कृतेन टिप्पणीं लिखत । 1 x 5 = 05

5.1 महाभारतम् ।

5.2 उपनिषद् ।

5.3 पञ्चतन्त्रम् ।

6 व्याकरणम् । 10 x 1 = 10

संयोजयत ।

6.1	पञ्चतन्त्रम् ।	–	नहुषोपाख्यानम् ।
6.2	महाभारतम् ।	–	व्याघ्रः ।
6.3	रामायणम् ।	–	न्यायवादी बिडालः ।
6.4	सुवर्णकङ्कणम् ।	–	सगरकथा ।
6.5	उपनिषद् ।	–	अतिलोभो विनाशाय ।
6.6	हितोपदेशः ।	–	स्नातकोपदेशः ।

रिक्तस्थानानि पूरयत ।

6.7 उत्तरस्तु चतुर्वर्गः महात्मन्येव _____ । (तिष्ठति, गच्छति, ददाति)

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

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

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

6.11 ऐन्द्रं पदं अध्यास्यते _____ । (सः, तत्, मया)

6.12 ब्रह्मवध्यायां _____ इन्द्रः देवराज्यं पर्यत्यजत् । (लाभात्, भयात्, मोहात्)

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(2024 Batch onwards)

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Reg. No: | | | | | | | | |

St Aloysius (Deemed to be University)
Mangaluru
B.A./B.Sc./B.Com/B.B.A./B.C.A. Semester II - Degree Examination
April/May - 2025

KONKANI

Time: 2 ½ Hours **Max. Marks: 60**

UNIT - I

I. ಖಂಚಾಯ್ ಎಕಾ ಕವನಾಚೊ ಸಾರಾಂಶ್ ಬರಯಾ. **(1×5=5)**

Khanchai eka kavanacho saransh boroya

खन्चय एक कवनचो सरन्श बोरोय

1) ದೇಂಟ್ ಬಾವುನ್ ಝಾಡಾರ್ ಸಕತ್ ಮೊಡುನ್ ಜಿವಾಂತ್ ಪಾಕ್ಳ್ಯೊ ಝಡುನ್ ಮಾತ್ಯೆಂತ್ ಸಾಕ್ರಿಫಿಸ್ ವ್ಹಾವ್ವೊವ್ನ್ ಜಿಣ್ಯೆಂತ್!

Dent bavun zadar
Sakat modun jivant
Pakllyo zadon matyent
Sacrifice vhvovn jinniyent

देंट बवुन ज़डर
सकत मोडुन जिवंत
पकळ्ळो ज़डुन मत्येंत
सकरिफ़िस व्हवोवन जिणियेंत

2) ಮುಯೊ ಯೆತಾತ್
ಮುಯೊ ವೆತಾತ್
ಮಧಿಂಚ್ ಹಾಸ್ತಾತ್
ಮಧಿಂಚ್ ಥಾಮೂನ್ ಎಕಾಮೆಕಾಂಚೊ ಉಮೊ ಘೆತಾತ್.

Muyo yetat
Muyo vetat
Madhinch hastat
Madhinch thamoon
Umo ghetat

मुयो येतत
मुयो वेतत
मदिंच हसतत
मदिंच थमुन येकमेकंचो उमो घेतत

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

1) ರ. ವಿ. ಪಂಡಿತಚೆ ಸಗ್ಳೆ ನಾಂವ್ ಕಿತೆಂ?

Ra. vi. Panditache saglle nanv kitem?

र . वि. पंडितचे सगळे नंव कितें?

2) ದರ್ಯಾ ಗಾಜೊತಾ ಕೊಣಾಚೆ ಪುಸ್ತಕ್?

Darya gazota konnache pustak?

दरय गज़ोत कोणचे पुस्तक?

3) 'ಫುಲಾಂ ಸರ್ತಾತ್' ಕವನಾಚಿ ಕವಿ ಕೋಣ್?

'fulam sartat' kavanachi kavi konn?

'फ़ुलं सर्तत' कवनचि कवि कोण?

4) ನವೀನ್ ಪಿರೇರಾನ್ ಬರಯಿಲ್ಲ್ಯಾ ಖಂಚಾಯ್ ಎಕಾ ಕವನಚೊ ಉಲ್ಲೇಖ್ ಕರಾ.

Naveen Pereiran barayil'lya khanchay eka kavanacho ul'lek kara

नविन पिरेरन बरयल्लय खंचय एक कवनचो उल्लेख कर

5) ಮಾಧವ್ ಬೊರ್ಕರಾಚ್ಯಾ ಖಂಚಾ ಕವಿತಾ ಸಂಗ್ರಹಾಕ್ ಸಾಹಿತ್ಯ ಆಕಾಡೆಮಿಚೊ ಪುರಸ್ಕಾರ್ ಲಾಭ್ಲಾ?

Madhav Borkarachya khancha kavita sangrahak sahitya Academy puraskar labla?

मधव बोरकरच्य खंच कवित संग्रहक सहित्य अकडेमिचो पुरस्कर लब्ल

Contd...2

III ಖಂಚಾಯ್ ಎಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯಾ. (1×5=5)

Khanchai eka savalak zap boroya.

खन्चय एक सवलक ज़प बोरोय

1) ಸ್ತ್ರೀ ಆನಿ ಫುಲ್ ಸಮಾಜೆಂತ್‌ಕಿತೆಂ ಸ್ಥಾನ್‌ಘೆತಾತ್ ವಿವರ್ಸಿಯಾ.

Stri ani phol samazent kite sthan ghetat vivarsia.

स्त्रि अनि फुल समजेंत कितें स्तन घेतत विवर्सिय

2) ಪರ್ನ್ಯ ಜನೆಲಾ ಮುಖಾಂತ್ರ್ ಕವಿ ಆಪ್ಣೆಂ ದೆಖ್‌ಲ್ಲೆ ದ್ರಶ್ಯ ಭೊಗ್ನಾದ್ವಾರಿಂ ಕಶೆಂ ಅನಾವರಣ್ ಕರ್ತಾ?

pornya zanela mukhantr kavi apnne dekhl'le draxy bhognnadwari kaxe anavarann karta vivarsiya

परर्न्य ज़नेलं मुखंत्र कवि अप्णें देखल्लें द्रश्य भोग्णंद्वरि कशें अनवरण कर्त विवर्सिय

UNIT - II

I ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ: **savalank zap boroya सवलन्क ज़प बोरोय** (5×1=5)

1. 'ಕೋನ್' ಮ್ಹಳ್ಳ್ಯಾ ಸಬ್ದಾಚೊ ಅರ್ಥ್ ಕಿತೆಂ?

'kon' mull'llya sabdacho arth kitem?

'कोन' मुह्ल्य सब्दचो अर्थ कितें

2. ಕೊಂಗ್-ಕೊನಾ- ಪುಲೊ ಮ್ಹುಣ್ ಕೊಣೆ ಅಪಯ್ಲೆಂ?

Kong-kona-pulo munn konne apayl'lem?

कोन्ग–कोन–पुलो मुण कोणें अपयलें?

3. ಸಿದ್ದಿಯಾಂಚೊ ಮುಖ್ಯ್ ಪರಬ್ ಖಂಚೊ?

Siddiyancho mukhya parab khancho?

सिद्दियन्चो मुख्य परब खंन्चो

4. ಕೊಂಕ್ಣೆಚೆ ಮೂಳ್ ನಿವಾಸಿ ಕೋಣ್?

Konknneche mull nivasi konn?

कोंकणेचे मुल निवसि कोण?

5. ಸರಸ್ವತಿ ನಂಯ್ ಖಂಯ್ಸರ್ ಆದ್ರಶ್ಯ್ ಜಾತಾ?

Saraswati nay khanysar adrashy zatha?

सरस्वति नंय खंय्सर अद्रश ज़त

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

खन्चय एक पत्राचि परिचय दिय (5)

1. ಸರಸ್ವತಿ ನಂಯ್ saraswati nay सरस्वति नंय

2. ಗುಮಟ್ gumot गुमोट

Contd...3

III. ಖಂಚಾಯ್ ಎಕಾ ಸವಾಲಾಕ್ ಜಾಪ್ ಬರಯಾ. Khanchai eka savalak zap boroya. खन्चय एक सवलक ज़प बोरोय (1×5=5)

1. ಕೊಂಕಣಿ ಪದ ನಿಶ್ಪತ್ತಿ ಪರಿಚಯ್ ಕರಾ.

Konknni pada nixpat'ti parichay kara

कोंकणि पद निशप्पति परिचय कर

2. ಸಿದ್ಧಿ ಜನಾಂಗಚಿ ಪರಿಚಯ್ ಕರಾ.

Siddi zanagachi parichay kara

सिद्दि ज़नंगचि परिचय कर

UNIT - III

I ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ. eka vakyan zap boroyaएक वक्यन ज़प बोरोय (5×1=5)

1. ಮಾಫೇಯಿಚೆ ಸಗ್ಳೆಂ ನಾಂವ್ ಕಿತೆಂ?

Maffeiche saglle nanv kitem?

मफ़ेचे सग्हें नंव कितें?

2. ಖಂಯ್ಸರ್ ಬಾ.ಮಾಫೇಯಿ ಆಂತರ್ಲೊ

Khaisar ba.maffei antarlo?

खंयसर बा. मफ़ें अंतर्लो?

3. ಶೆಣ್ಯೆ ಗೊಂಯ್ ಬಾಬಚೆ ಸಗ್ಳೆಂ ನಾಂವ್ ಕಿತೆಂ?

Xenai goy babache saglle nanv kitem?

शेणे गोय बाबचे सग्हें नंव कितें?

4. ಶೆಣ್ಯೆ ಗೊಂಯ್ ಬಾಬ್ ಕೆನ್ನಾ ಆಂತರ್ಲೊ?

Xenai goy bab kenna antarlo?

शेणय गोय बब केन्न अंतरलो?

5. ಬಾ.ಮಾಫೇಯಿನ್ ಬರಯಿಲ್ಲ್ಯಾ ವಾಕ್ಸರಿ (dictionary)ಚೆ ನಾಂವ್ ಕಿತೆಂ?

Ba. Maffein barayil'lya vaksari (Dictionary)che nanv kitem?

ब. मफ़ेयिन बोरोयिल्लय वकसरिचे नंव कितें

II ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ savalank zapi boroya सवलक ज़प बोरोय (2×5=10)

1. ಶೆಣ್ಯೆ ಗೊಂಯ್ ಬಾಬಚ್ಯಾ ಬಾಳ್ಪಣಾ ವಿಶಿಂ ಬರಯಾ

Xenai goy babachya sahitya vixim baraya

शेण्य गोय बबच्य सहित्य विशि बोरोय

2. ಬಾ.ಆಂಜೆಲೊ ಮಾಫೇಯಿಚ್ಯಾ ಸಾಹಿತಿಕ್ ವಾವ್ರಾ ವಿಶಿಂ ಕಳಯಾ

Ba. Angelo Maffeichya sahitik vavra vixim kallaya

ब. अनजेंलो मफ़ेयिच्य सहितिक वव्र विशि कळय

Contd...4

UNIT - IV

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

1. ದೆವಾಕ್ ಅರ್ಗಾಂ ದೀವ್ನ್ ಗಾಂವ್ಚಾ ವೇರ್ಸಾಚೊ ಉಲ್ಲೇಕ್ ಕರಾ.

   Devak arga divn gavncha versecho ul'lek kara

   देवक अर्ग दिवुन गवूचो वेर्सचो उल्लेक कर

2. ದೊಗಾಂಚೊ ನ್ಯಾಯ್ ತಿಸ್ರ್ಯಾಕ್ ----- ಗಾದ್ ಪೂರ್ಣ್ ಕರಾ

   Dogacho nyay tisryak ----- gad poornn kara

   द्गचो नय तिस्र्यक ----- गद पूर्ण कर

3. Published articles in the wall magazine 'parzol' throughout the academic year. ಕೊಂಕ್ಣೆಕ್ ಅಣ್ಕಾರ್ ಕರಾ. translate to konkanni

4. ಜಾಹೀರಾತ್ (advertisement) ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

   Jahirat mullyar kitem?

   जहिरत मुळयर कितें ?

5. ಕಾನಿಂ ಘಾಲೆ ತೇಲ್ ಕಪಾಲಿ ಕಾಡ್ಲೊ ಖುರಿಸ್ ---- ವೊವಿ ಪೂರ್ಣ್ ಕರಾ

   Kanim ghale tel kapali kadlo khuris ------ vovi poornn kara

   कनिं घले तेल कपलि कडलो खुरिस ----- वोवि पूर्ण कर

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

1. ವೊವ್ಯೊ-ವೇರ್ಸ್ ಕಾರ್ಯಾಗಾರಚಿ ವರ್ಧಿ ಖಂಚಾಯ್ ಎಕಾ ಪತ್ರಚ್ಯಾ ಸಂಪಾದಕಕ್ ಧಾಡ್ನ್ ದಿಯಾ.

   Vovyo verse karyagarachi vardhi khanchay eka patracha sampadakak dhadn diya

   वोव्यो वेर्स कर्यगरचि वर्दि खंचय् एक पत्रच संपदकक दड्न दिय

2. ಖಂಚೊಯ್ ಪಾಂಚ್ ಗಾದಿ ಬರಯಾ

   Khanchoy panch gadi boroya

   खंचोय पंच गदि बोरोय

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St Aloysius (Deemed to be University)
Mangaluru
B.A./B.Com./B.B.A./B.C.A./B.Sc. - Semester II

April/May - 2025

MALAYALAM

Time: 2½ hrs. Max Marks:60

I താഴെ തന്നിരിക്കുന്ന എല്ലാ ചോദ്യങ്ങൾക്കും ഒന്നോ രണ്ടോ വാക്യത്തിൽ ഉത്തരമെഴുതുക. (5x2=10)

1. "ഹാ, പുഷ്പമേ" എന്ന് തുടങ്ങുന്ന ആശാന്റെ കാവ്യം ഏത്?
2. മഹാഭാരതത്തിലെ ഏത് പർവത്തിലാണ് ശാകുന്തളകഥ കടന്നുവരുന്നത്?
3. "മാറ്റുവിൻ ചട്ടങ്ങളെ സ്വയമല്ലെങ്കിൽ മാറ്റുമതുകളീ നിങ്ങളെത്താൻ" എന്ന് എഴുതിയതാര് ?
4. ശകുന്തളയുടെ തോഴിമാർ ആരൊക്കെ ?
5. എം. ടി എഴുതിയ നാടകമേത്?

II താഴെ തന്നിരിക്കുന്ന അഞ്ച് ചോദ്യങ്ങിൽ നാലെണ്ണത്തിന് സന്ദർഭവും സാരസ്യവും വ്യക്തമാക്കുക. (4x4=16)

6. "ഫലിച്ചിതോ സഖീ നിന്റെ പ്രയത്നവല്ലരി, രസം
കലർന്നിതോ ഫലം, ചൊൽക കനിയായിതോ"
7. "കുലനയവിരുദ്ധമായ്,കൊഴുക്കുമീപ്രണയത്തിൻ
നില നായികയിൽ കണ്ടു ഹസിച്ചു ദൂതി"
8. "വിശപ്പിന്നുവിഭവങ്ങൾ കൊതിയോളമശിച്ചാലും
വിശിഷ്ടഭോജ്യങ്ങൾ കാൺകിൽ കൊതിയാമാർക്കും."
9. ക്ഷിപ്രകോപിയായ ദുർവാസാവിൽ നിന്നും ശകുന്തളയ്ക്ക് ശാപം കിട്ടാനിടയായ സന്ദർഭമെന്ത് ?
10. "ടീച്ചർജി–ഒരപേക്ഷ, ഇടയ്ക്കൊക്കെ ഒന്ന് ചിരിക്കണം. അല്ലെങ്കിൽ ആ മഹാസിദ്ധി മറന്നുപോകും."

Contd...2

III താഴെ തന്നിരിക്കുന്ന അഞ്ച് ചോദ്യങ്ങളിൽ മൂന്നെണ്ണത്തിന് ഒന്നരപ്പുറത്തിൽ കവിയാതെ എഴുതുക (3x8=24)

11. കരുണയെന്നത് മഹത്വമേറിയതും മൂല്യമുള്ളതുമായ മാനുഷിക വികാരമാണ്. കുമാരനാശാന്റെ കരുണാകാവ്യത്തെ മുൻനിർത്തി പരിശോധിക്കുക.

12. നാടകീയമായ അനവധി സന്ദർഭങ്ങളുള്ള ഒരു പ്രണയകഥയാണ് ഏ ആറിന്റെ മലയാളശകുന്തളം നാടകം. വിലയിരുത്തുക.

13. ആസക്തിയാണ് ദുഃഖത്തിന് കാരണമെന്ന ബുദ്ധദർശനമാണ് കരുണയിൽ തെളിയുന്നത്. ചർച്ച ചെയ്യുക

14. "വരും, വരാതിരിക്കില്ല" എന്ന പ്രതീക്ഷയാണ് മഞ്ഞിന്റെ ഹൃദയതാളമെങ്കിലും ഒരാൾക്ക് വേണ്ടി അത്രയും കാലം കാത്തിരിക്കേണ്ട ആവശ്യമുണ്ടോ എന്ന ചോദ്യം പലപ്പോഴും മഞ്ഞിനെ നേരെ ഉയരാറുണ്ട്. വിമർശനാത്മകമായി വിലയിരുത്തുക.

15. കടം ചോദിച്ച ഒരു സായാഹ്നം ബാക്കിയാണെന്ന് വിമലയോട് പറഞ്ഞ് തിരിച്ചുപോകുന്ന സർദാർജി മഞ്ഞിലെ നൊമ്പരപ്പെടുത്തുന്ന ഒരു കഥാപാത്രമാണ്. സമർത്ഥിക്കുക.

IV മലയാളത്തിലേക്ക് വിവർത്തനം ചെയ്യുക. (10x1=10)

16. Vaikom Mohammed Basheer was born as the eldest child of his parents in the village of Thalayolaparambu in northern Travancore. His father was a timber contractor, but the business did not flourish sufficiently for his large family to live in anything approaching luxury. After beginning his education at the local Malayalam school, he was sent to the English school in Vaikom, five miles away. While at school he fell under the spell of Gandhi, whom he saw at the Vaikom Satyagraha, and he resolved to join the fight for an independent India, leaving school to do so while he was in the fifth form. Part of his purpose in joining the Congress was to help ensure that there was some Muslim representation in the pan-Indian movement. Later he went to Kozhikode to take part in the Salt Satyagraha and was arrested; he served a period in prison. Freed from jail he organised a terrorist movement and edited a revolutionary journal, Ujjivanam ('Uprising'). A warrant was issued for his arrest and he left Kerala, returning only seven years later, when he was arrested again and condemned to a spell of rigorous imprisonment. Once India achieved control of its destiny, he showed no further interest in politics. Nor does he appear to have carried any resentment for the harsh treatment he suffered before his country became free. During his absence from Kerala he travelled over many parts of India, taking whatever work seemed likely to keep him from starvation. His jobs included those of loom fitter, fortune teller, cook, paper seller, fruit seller, sports goods agent, accountant, watchman, cowman and hotel manager.

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(2024 Batch onwards)

LC7LUAE174 / VS8AUAE174e

Reg. No. : | | | | | | | | |

St Aloysius (Deemed to be University)

Mangaluru

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

April/May - 2025

FRENCH

Time: 2½ hrs. **Max Marks: 60**

I Répondez aux 5 questions: **(5x1=5)**

1. Écrivez deux journaux nationaux en France?
2. Expliquez le programme La grande librarie.
3. Nommez deux monuments célèbres de France.
4. Nommez deux fête importée en France.
5. Qu'est-ce que c'est Le Foie gras?
6. Abel Mutal a gagné la épreuve de cross-country. Vral ou faux?

II Répondez aux 4 questions en 12 ou 13 lignes **(4x5=20)**

1. Comment les français s'informent ?
2. Décrivez le roman « Le Comte de Monte-Cristo »
3. Résumez le roman « Les Trois Mousquetaires »
4. Résumez le roman « Madam Bovary »
5. Résumez le roman « Le Petit Prince »

III Mettez les verbes au temps indiqué: **(10x1=10)**

1. Tu_____(visiter, Imparfait) souvent à la plage.
2. Je _____(être, imparfait) trés sympathiques.
3. Les étudiants_____ (avoir- imparfait) malade depuis le samedi dernier.
4. Vous_____(prendre, présent) du thé ou du café ?
5. Mes parents _____(habiter, présent) en Bourgogne.
6. Nous _____(parler, passé composé) au directeur.
7. Siena _____ (devenir - passé composé) professeur de mathématiques
8. Nous ____(manger, future simple) les poisons pour le repas
9. Dans une semaine, je_____ (remplir — futur simple) la fiche.
10. Keyline_____(sortir, futur simple) du balcon.

IV Répondez en utilisant les pronoms relatifs qui, que, où : **(5x1=5)**

1. Voice la maison .....nous tournons "Les parfums de Laura"
2. La plage__ nous sommes allés est très polluée.
3. J'entends le poème _____ Il a écrit.
4. J'ai téléphoné à mon ami _____ travaille à ELF.
5. Au cinéma, j'ai vu un film__m'a beaucoup plu.

Contd...2

V Complétez le texte avec les mots proposés: (5x1=5)

(chers, affiché, sucre, beaux, oublie)

Didier : Salut, Paul, c'est ton père !

Paul : Je sais, ton nom s'est _____sur l'écran avant que tu m'appelles.

Didier : Ah oui, c'est vrai, j'_____ à chaque fois ! Dis-moi, je suis devant la boulangerie, ils ont de très _____ gâteaux, tu en veux un ?

Paul : Papa, c'est gentil, mais je t'ai déjà dit que je ne voulais pas de gâteau. Je suis au régime et j'essaie d'arrêter le _____!

Didier : Tu es sûr ? Ils sont vraiment très jolis et pas_____ !

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

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

VII COMPREHENSION (5x1=5)

Les Français regardent la télévision en moyenne 3h 21 par jour. Tous les Français reçoivent chez eux six grandes chaînes de télévision publiques et privées. Certaines chaînes privées sont gratuites, comme TF1 et M6. Et d'autres sont payantes. Canal + (la chaîne du sport et du cinéma), par example, diffuse une partie de ses programmes << en clair >> (tout le monde peut les voir), et une autre partie de ses programmes est cryptée (seules les personnes qui payent un abonnement peuvent les voir). Les chaînes publiques sont financées en partie par les Français qui ont un poste de télévision. Ils payent une taxe qui s'appelle <<< la redevance >> et qui représente 76% des ressources de la télévision publique. Ces chaînes publiques étaient également financées par la publicité. Mais elles n'en diffusent plus après 20h, depuis janvier 2009. Chaque chaîne du service public a une mission un peu différente. France 3, est une chaîne qui diffuse des programmes nationaux mais aussi locaux et régionaux (il y a par example six éditions en langue régionale : alsacien, provençal, etc.) et France 5, elle, est une chaîne à vocation éducative et de découverte. Arte, enfin, est une chaîne franco-allemande à vocation culturelle européenne.

Les questions :

1. Combien d'heures par jour les Français passent-ils devant la télé ?
2. Que signifie << crypté (e) >> ?
3. Citez une chaîne de télévision payante.
4. Quelle est la particularité de certains journaux sur France 3 ?
5. Quelles chaînes n'ont plus le droit de diffuser de la publicité après 20h ?

VIII Rédigez votre CV. (1x5=5)

Vous cherchez du travail dans un enterprise en France. Rédigez votre CV.

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