

(2021 Batch Onwards)

G 501 DC1.4

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester IV – Degree Examination****May/June - 2023****PHYSICS****THERMAL PHYSICS AND ELECTRONICS**

Time: 2½ hrs.

Max Marks: 60

SECTION – AAnswer any **FOUR** of the following. (4x2=8)

1. a) State the first law of thermodynamics. Apply it to an isothermal process.
- b) What is Joule Thomson's effect? Define Joule Thomson coefficient.
- c) Define degrees of freedom and state the law of equipartition of energy.
- d) What is rectification? What is the use of filter circuits in the rectifiers?
- e) What are p-type and n-type semiconductors? How are they formed?
- f) What is an Op-amp? Draw the symbol of an Op-amp.

SECTION – BAnswer any **ONE FULL QUESTION** from each unit. (4x10=40)**UNIT-I**

- 2.a) What is a Carnot Engine? Describe the steps involved in the operation of Carnot Engine and hence derive the expression for its efficiency. (6)
- b) State and explain zeroth law of thermodynamics. How is the temperature defined based on the zeroth law of thermodynamics? (4)
- 3.a) What is an isothermal process? Write the equation of state of an isothermal process and derive the expression for work done in the case of an isothermal process. (6)
- b) Describe the sequence of operations carried out in a refrigerator and schematically represent its basic features. Write the expression for the coefficient of performance. (4)

UNIT-II

- 4.a) Define Joule-Thomson coefficient. Derive an expression for Joule-Thomson coefficient using maxwells relations. Using this expression determine the value of Joule Thomson coefficient for a perfect gas. (6)
- b) State and explain Stefan-Boltzman law. (4)
- 5.a) State Planck's law of radiation. Show that Wein's law and Rayleigh Jeans law can be deduced from Planck's law. (6)
- b) Derive Clausius- Clapeyron equation using Maxwells relations. (4)

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UNIT-III

- 6.a) Explain with a circuit diagram, the working of a half wave rectifier and obtain expressions for ripple factor and efficiency. (6)
- b) What is transistor biasing? Why is it necessary? Explain. (4)
- 7.a) Explain the construction and working of a transistor amplifier in CE mode. (6)
- b) With a circuit diagram, explain the working of a full wave rectifier. (4)

UNIT-IV

- 8.a) State and prove De Morgan's theorems, and give their representation using logic gates. (6)
- b) Explain the working of a NOT gate using an npn transistor. (4)
- 9.a) What is an OR gate? Explain its construction using diodes and show that its truth table can be realized using various conditions for input. (6)
- b) What is an inverting amplifier? Obtain the expression for the voltage gain of an inverting amplifier. (4)

SECTION -C

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

10. Two moles of an ideal gas expands isothermally from a volume of 0.025 m^3 to a volume of 0.05 m^3 at 300 K Find i) the work done by the gas ii) change in internal energy and iii) Heat supplied to the gas.
11. Calculate the change in boiling point of water when the pressure is increased by 1 atmosphere. Boiling point of water is 373 K. Specific volume of steam is $1.671 \text{ m}^3 \text{ kg}^{-1}$. Specific volume of water is $1 \times 10^{-3} \text{ m}^3 \text{ kg}^{-1}$. Latent heat of steam is $2.268 \times 10^6 \text{ J kg}^{-1}$.
12. For a transistor with voltage divider bias obtain the operating point using the data: $R_1 = 40 \text{ K}$, $R_2 = 4 \text{ K}$, $R_C = 10 \text{ K}$, $R_E = 2 \text{ K}$, $V_{CC} = 22 \text{ V}$ and $V_{BE} = 0.7 \text{ V}$.
13. For the inverting amplifier if the input voltages are 1V, 2V and 3V and corresponding resistances are 1K, 2K and 3K respectively and feedback resistor is 1.5K. Calculate the output voltage.

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St Aloysius College(Autonomous)

Mangaluru

B.Sc. Semester IV – Degree Examination

May/June - 2023

Chemistry

Time: 2 ½ hrs

Max Marks: 60

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

PART – A

Answer All the following questions in 1 to 2 sentences (8x1=8)

- 1.a) Define hybridization.
- b) What is meant by lattice energy?
- c) State Bent's rule.
- d) Write any two limitations of valence bond theory
- e) What is an acid catalysis?
- f) State first law of thermodynamics.
- g) Define equivalent conductance.
- h) Write Arrhenius equation.

PART – B

Answer EIGHT the following questions in 3 to 5 sentences (8x3=24)

2. i) How radius ratio can be calculated in compounds with co-ordination number 4?
- ii) Write any three applications of Fajan's rule.
- iii) Explain the shape of H₂O molecule based on VSEPR theory.
- iv) Give any three differences between bonding and antibonding molecular orbital.
- v) Explain any three general properties of metals.
- vi) Derive an expression for maximum work done during reversible isothermal expansion of an ideal gas.
- vii) Give BET equation. Explain the terms.
- viii) A second order reaction in which the initial concentrations of both the reactants are same is 25% complete in 10 minutes. Calculate the rate constant of the reaction
- (ix) The speed ratio of Ag⁺ to NO₃⁻ was found to be 0.916 during the electrolysis of AgNO₃ solution. Find the transport number of Ag⁺ and NO₃⁻ ion.
- (x) Write any three advantages of conductometric titration.

PART -C

Answer any SEVEN of the following questions (7x4=28)

3. How do you calculate lattice energy of NaCl using Born-Haber cycle?
4. Explain sp³d hybridization with suitable example.

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5. Draw the molecular orbital level diagram of N_2 molecule. Show the filling up of electrons, calculate bond order and explain the magnetic property.
6. Explain good conductor, semi conductor and insulator properties of material using band theory.
7. Derive an expression for the entropy changes accompanying the variation of temperature and volume.
8. Derive an expression for Langmuir adsorption isotherm.
9. Explain the experimental determination of kinetics of inversion of cane sugar by polarimetric method.
10. Describe the moving boundary method of determining transport number of an ion.
11. Two moles of an ideal gas is heated from 100 K to 300 K. Calculate ΔS if a)
the volume is kept constant.
b) the pressure is kept constant. Assume that $C_v = 1.5 R$.

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**St Aloysius College (Autonomous)
Mangaluru**

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

MATHEMATICS -IV

Partial Differential Equations and Integral Transforms

Time: 2½ hrs.

Max Marks: 60

PART-A

Answer any **SIX** of the following:

(6 × 2 = 12)

1. Find the order and degree of the partial differential equation

$$\left(\frac{\partial z}{\partial x}\right)^3 + \frac{\partial^3 z}{\partial y^3} = 10.$$

2. Eliminate the constants a and b from $z = ax + by + a^2 + b^2$ and form a partial differential equation.

3. Solve $(\tan x)p + (\tan y)q = \tan z$.

4. Classify the partial differential equation $u_{xx} - 5u_{xy} = 0$.

5. Find the Laplace transform of $e^{4t} \cos 2t$.

6. Evaluate $L\{\cos 2t \sin 2t\}$.

7. Determine $L\{t^{\frac{5}{2}}\}$.

8. Find the Inverse Laplace transform of $\frac{1}{s^2 - 4s + 13}$.

PART- B

UNIT- I

Answer any **TWO** of the following:

(2×6=12)

1. Form a partial differential equation by eliminating the arbitrary constants a, b and c from $z = ax + by + cxy$.
2. Form a partial differential equation by eliminating the arbitrary function ϕ from $lx + my + nz = \phi(x^2 + y^2 + z^2)$.
3. a) Solve $p - 2q = 3x^2 \sin(y + 2x)$. (3)
 b) Solve $\frac{(b-c)}{a} yz p + \frac{(c-a)}{b} zx q = \frac{(a-b)}{c} xy$. (3)

Contd...2

UNIT- II

Answer any **TWO** of the following:

(2×6 =12)

- Classify and solve the following partial differential equations:
 - $u_{xx} + 4u_{yy} - 4u_{xy} = 0$
 - $4u_{xx} - 12u_{xy} + 9u_{yy} = 0.$
- Solve the following partial differential equations:
 - $r - 2s + t = \sin(2x + 3y)$
 - $(D^2 - 2DD' + D'^2)z = \tan(y + x).$
- Obtain solution of Laplace equation by the method of separation of variables.

UNIT- III

Answer any **TWO** of the following:

(2×6 =12)

- Find the Laplace transform of $\varphi(t) = \begin{cases} t, & 0 < t < 4 \\ 5, & t > 4 \end{cases}$ (3)
 - Find the Laplace transform of $(1 + te^{-t})^2$. (3)
- Evaluate $L\left\{\frac{e^{-at} - e^{-bt}}{t}\right\}$. (4)
 - Evaluate $L\left\{t^{\frac{1}{2}} - t^{-\frac{1}{2}}\right\}$. (2)
- Derive the formula for Laplace transform of periodic functions and hence find the Laplace transform of $F(t) = \begin{cases} t, & 0 < t < 1 \\ 0, & 1 < t < 2 \end{cases}$ with period 2.

UNIT- IV

Answer any **TWO** of the following:

(2×6 =12)

- Evaluate $L^{-1}\left\{\frac{6s-4}{s^2-4s+20}\right\}$. (3)
 - Evaluate $L^{-1}\left\{\frac{1}{s(s^2+a^2)}\right\}$. (3)
- Evaluate $L\{F(t)\}$ where $F(t) = \begin{cases} e^{-t}, & 0 < t < 2 \\ 0, & t > 2 \end{cases}$ using step functions. (3)
 - Find Inverse Laplace transform of $\frac{1}{s^2(s-1)}$ using Convolution theorem. (3)
- Evaluate $L^{-1}\left\{\frac{s}{(s^2-1)^2}\right\}$. (2)
 - Solve the differential equation $y''(t) + 6y'(t) + 9y(t) = 6t^2e^{-3t}$, $y(0) = 0 = y'(0)$ using Laplace transform. (4)

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**St Aloysius College (Autonomous)
Mangaluru**

B.Sc. Semester IV – Degree Examination

May /June -2023

ELECTRONICS

ELECTRONIC COMMUNICATIONS AND DIGITAL COMPUTERS

Time: 2 ½ hrs.

Max Marks: 60

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

SECTION – A

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

- i. The Ionospheric layer which vanishes at night is _____
a) C b) E c) D d) F
- ii. The Intermediate frequency of AM signal is _____
a) 455MHz (b) 455kHz (c) 10.7MHz (d) 10.7kHz
- iii. Frame repetition frequency in television transmission is : _____
a) 50Hz b) 25Hz c) 100Hz d) 150Hz
- iv. ----- is an example for immediate addressing mode
a) MVIA,66H b) MOV A,B c) ADD A,B d) MOVA,B
- v. ----address lines are required to address a 64 kbytes of memory
a) 8 b) 12 c) 16 d) 20
- vi. EXCHG instruction in 8085 Microprocessor , exchanges the contents of -----
a) HL and BC b) HL and DE c) DE and BC d) HL and SP

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

- i. Draw a neat circuit diagram of an IF amplifier.
- ii. Define 'sensitivity' of a radio receiver
- iii. Define Radio Receiver.
- iv. Define Critical frequency.
- v. What is the function of sign flag?
- vi. Mention the general purpose registers of 8085 Microprocessor
- vii. What is the function of Program counter?
- viii. Mention the register of 8085 microprocessor used in arithmetic and logic operations

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

- i. Draw the circuit diagram of a Ratio detector.
- ii. A coaxial cable has a capacitance of 29.5 nf/m and inductance of 73.75µH/m. Calculate the characteristic impedance for a 1-metre section.
- iii. Define Reflection coefficient of a Transmission line.

Contd...2

- iv. Explain why radio reception is clear at night?
- v. With an example explain any one logic instruction of 8085 microprocessor
- vi. Mention any two differences between a micro computer and minicomputer.
- vii. Mention any four instructions of 8085 microprocessor used to clear the accumulator.
- Viii. Explain the DAD B instruction with an example.

SECTION – B

IV. Answer any **FOUR** questions:

(4x4=16)

- i. With a neat circuit diagram explain a diode detector to detect AM signals.
- ii. With necessary diagram explain Interlaced scanning in Television Communication.
- iii. Calculate the characteristic impedance of
 - (i) A parallel wire line with $D/d = 2$ with air dielectric
 - (ii) An air dielectric coaxial line with $D/d = 2.35$
- iv. With Bit pattern explain the flag register of 8085 microprocessor.
- v. With a block diagram explain a digital computer.
- vi. Draw the block diagram of a general microprocessor and explain.

V. Answer any **FOUR** questions:

(4x5=20)

- i. For a channel lying in the range (47-54) MHz, determine
 - i) The value of picture carrier frequency
 - ii) The value of sound carrier frequency
 - iii) The value of SIF and VIF
 - iv) Draw the channel diagram
- ii. Derive the expression for Characteristic impedance Z_0 of an infinitely long conductor.
- iii. With a neat block diagram explain the working of a Super heterodyne receiver.
- iv. Explain the INPUT -STORE-OUTPUT operation of microcomputer.
- v. With necessary examples explain any two logic instructions of 8085 microprocessor
- vi. With necessary examples explain any two arithmetic instructions of 8085 microprocessor

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**St Aloysius College (Autonomous)
Mangaluru**

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

COMPUTER SCIENCE - IV

DATABASE MANAGEMENT SYSTEM

Time: 2 ½ hours

Max Marks: 60

PART –A

1. Answer any **SIX** of the following. (6x2=12)
- What is database? Define DBMS.
 - Define data abstraction. Give any two levels of abstraction
 - What is relation schema? List the characteristics of Relations
 - Define: a) Tuple b) Attribute c) Domain
 - What is stored procedure in MySQL?
 - List any two wild characters used in pattern matching.
 - How do assign a value to a variable in MYSQL?
 - Mention the types of parameters in MYSQL stored procedure with example.

PART –B

Answer any **ONE FULL** question from each unit 12 marks each.

(4x12=48)

UNIT - I

- Explain the three schema architecture of database system with a diagram. (5)
 - Explain different types of database users. (4)
 - What is data independence? (3)
- Explain any four characteristics of database management system. (5)
 - Write a note on database languages. (4)
 - What are the responsibilities of DBA? (3)

UNIT – II

- Explain the SELECT and PROJECT operations of relational algebra with example. (6)
 - Explain insertion, deletion and modification anomalies. (6)
- Define 1NF and 2NF relations with example. How to convert 1NF to 2NF relation? (6)
 - Consider the relation schema.
STUDENT (REGNO, NAME, CLASS, DEPTNO, GRADE)
DEPARTMENT (DEPTNO, DNAME, HOD)
 - Find the list of students who belongs to CLASS 'BCA'.
 - Find NAME, CLASS AND GRADE of 'AMITH'.
 - Display all the details of students along with their department name. (6)

Contd...2

UNIT – III

6. a) Explain the GROUP BY and ORDER BY clauses in MYSQL. (6)
b) Write a note on LIKE clause with example. (3)
c) Explain i) Commit ii) Rollback iii) Save Point (3)
7. a) Explain any five aggregate functions with example. (5)
b) Explain the following with syntax and example:
i. DELETE
ii. UPDATE (4)
c) Explain Primary Key as a table level constraint. (3)

UNIT – IV

8. a) What is view? Explain with syntax and example how it is created? (6)
b) Explain with syntax and example, the following conditional statements:
i. IF ELSE
ii. CASE (6)
9. a) How do you create function and call function? Explain with an example. (6)
b) Explain with syntax and example, the usage of the following looping statements:
i. WHILE
ii. LOOP (6)

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

STATISTICS Paper IV
Statistical Inference-I

Time: 2 ½ Hours.

Max Marks: 60

Note: Answer all parts

PART – A

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

1. What is the need for interval estimation?
2. State the Characteristics of good estimator.
3. Define confidence interval and confidence coefficient
4. Mention any two properties of LRTP.
5. Mention any two properties of MLE.
6. Define Null and Alternative Hypothesis.
7. State Neyman Pearson's Fundamental lemma for testing simple hypothesis against alternative.

PART – B

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

8. a) Distinguish between point estimation and interval estimation. (3)
b) Derive 100(1- α)% central confident interval for the difference in proportions. (7)
9. a) Obtain 100(1- α)% confidence interval for the mean of the normal population. (5)
b) Derive 100(1- α)% confidence interval for the ratio of variances. (5)
10. a) Describe large sample test for testing equality of proportions with one sided and two sided alternatives. (5)
b) Derive M.L.E. of the parameter when the sample is drawn from a Poisson population. (5)
11. a) Explain the large sample test procedure for testing the mean of a normal population. (5)
b) Prove that sample variance is a biased estimator of population variance. (5)
12. a) Explain the moment method of estimation. (3)
b) A random sample of the size two is drawn from the population mean μ and variance σ^2 . Define $T_1 = \frac{X_1 + X_2}{2}$, $T_2 = \frac{2X_1 + 3X_2}{5}$ are both this estimators are unbiased. Which of the two is more sufficient? (7)
13. Define sufficient statistics and derive the sufficient statistics for estimating the parameters when the sample of size n is drawn from a Normal population. (10)
14. Define asymptotic unbiased estimator. Prove that sample variance is a consistent estimator of population variance. (10)

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St Aloysius College (Autonomous), Mangaluru**B.Sc. Semester IV – Degree Examination****May/June - 2023****ZOOLOGY****GENE TECHNOLOGY, IMMUNOLOGY AND COMPUTATIONAL BIOLOGY****Time: 2½ Hours.****Max Marks: 60****Note:1**

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

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

- a) What are restriction enzymes? Name any two.
- b) Write the uses of Biochips.
- c) Define single cell proteins. Give two examples.
- d) What are VNTRs? Write their significance in DNA fingerprinting.
- e) Mention any two methods of enzyme production.
- f) What is pharmacogenomics?
- g) Calculate the median and mode of the following data:
12, 8, 16, 4, 8, 9, 10, 4, 9, 4, 11
- h) What are search engines? Name any one.
- i) What is frequency distribution?
- j) Define innate immunity. Give an example.
- k) What are the different modes of transmission of AIDS?
- l) Write the differences between B cells and T cells.

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

- a) Write a short note on selection and identification of recombinant cells.
- b) Explain briefly the applications of Genetic Engineering in livestock improvement.
- c) Enumerate the applications of antibiotics.
- d) Draw the histogram for the following data:

Age group	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Number of Diabetes individuals.	2	10	5	10	20	15	25

- e) With reference to Bioinformatics, describe CLUSTALW.
- f) What is complement system? Explain.

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

- a) Give a detailed account on Recombinant DNA technology.
- b) Describe the genetic analysis of human diseases.
- c) With reference to basics of computer, explain R and python languages.
- d) Explain the structure of IgG with an illustration. Add a note on its functions.

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St Aloysius College (Autonomous), Mangaluru**B.Sc. Semester IV- Degree Examination****May/June - 2023****MICROBIOLOGY****MICROBIAL ENZYMOLOGY AND METABOLISM**

Time: 2½ Hours.

Max Marks: 60

Instructions: Answer PART A AND B AND C

Draw Diagrams wherever necessary.

PART – A

1. Define/Answer any TEN of the following: (10x2=20)
- Coenzyme
 - Allosteric enzyme
 - Catabolism
 - Protein kinase
 - Biofilm.
 - Oxidation of Sulphur
 - Oxidoreductases
 - Cyanobacteria
 - Oxygenic photosynthesis
 - Acid rain
 - Nitrogenase
 - Green house effect

PART – B

Answer 'a' or 'b' from each unit. (4x5=20)

UNIT -I

2. a) Explain the effect of pH and temperature on enzyme activity. (5)

OR

- b) Write a note on Feed back inhibition

UNIT -II

3. a) Explain the oxidation of methane. (5)

OR

- b) Write a note on Propionic acid fermentation

UNIT -III

4. a) Write a note on Microbiologically influenced corrosion. (5)

OR

- b) Write a note on photosynthetic pigments

UNIT -IV

5. a) Explain the electron flow in Nitrogen fixation. (5)

OR

- b) Write a note on Phosphorus cycle

PART – CAnswer any TWO of the following. (2x10=20)

- Describe in detail on enzyme catalysis.
- Describe lactic acid fermentation .
- Describe the dark reaction of photosynthesis

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester IV – Degree Examination****May/June - 2023****BIOCHEMISTRY****ANALYTICAL BIOCHEMISTRY****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)
- What is sedimentation coefficient?
 - Define R_f value
 - Write the applications of immuno electrophoresis.
 - What is half-life period?
 - Define Beer-Lambert's law.
 - Mention the different monochromators used in spectrophotometer?

PART – B

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

- Explain the principle, working and applications of density gradient centrifuge.
- Write a note on gel filtration chromatography.
- Explain paper electrophoresis principle and applications.
- Write a note on applications of radioisotopes.
- Explain the principle and working of Fluorimeter.

PART - C

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

- In detail explain the steps involved extraction of phytochemicals.
- Explain principle, applications and diagrammatic representation of HPLC.
- What is SDS PAGE? Explain its principle and working
- Explain Raman and NMR Spectroscopy.

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St Aloysius College (Autonomous)
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B.Sc. Semester IV – Degree Examination

May/June -2023

BIOTECHNOLOGY

MOLECULAR BIOLOGY

Time: 2 ½ Hours

Max. Marks: 60

Note: i) Answer all the questions

ii) Draw diagrams wherever necessary

PART - A1. Answer any **FIVE** of the following:**(5x2=10)**

- What is a replicon?
- Mention any two properties of DNA polymerase I
- What is Photoreactivation?
- What is alkylation of nitrogenous bases? Given any two examples for alkylating agents.
- Mention any two types of eukaryotic RNA polymerases and mention their function.
- What is polyadenylation of RNA? Mention its significance (any one).
- State Wobble Hypothesis.
- Mention any two types of post translational modifications of proteins and type of modification.

PART – BAnswer any **SIX** of the following:**(6x5=30)**

- Describe Hershey and Chase experiment
- Why DNA replication is semi- conservative? Justify.
- List and explain causes of DNA damage.
- Elaborate on mismatch repair mechanism
- Narrate role of spliceosome in RNA splicing
- Briefly describe transcription inhibitors and their applications.
- Illustrate salient features of genetic code.
- Write a note on galactose operon

PART – CAnswer any **TWO** of the following:**(2x10=20)**

- Discuss Meselson Stahl's experiment
- Discuss DNA nucleotide excision repair mechanism.
- Discuss the transcription in prokaryotes.
- Discuss the structure and working of Lac operon.

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St Aloysius College (Autonomous)
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B.A./B.Sc. Semester IV – Degree Examination**May/June - 2023****COMPUTER ANIMATION --IV****3D MODELING**

Time: 2½ hrs.

Max Marks: 60

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

1. a) What is the use of scatter?
- b) What are the use of segments?
- c) Name the different types of stairs.
- d) Mention the use of mirror tool.
- e) What is dolly & tilt view in Maya?
- f) Name any 4 types of foliage.

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

2. Explain the steps to create window curtain.
3. Write down the steps to create 3D soap.
4. Explain briefly about nonlinear deformers of Maya.
5. Write a short note on doors & windows.
6. Explain how to use weld & symmetry modifier.

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

7. Explain AEC extended objects
8. What are 3D modifiers? Explain
9. Describe 3D Compound objects.
10. Explain the steps to create Cot, Dining table & fan.

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St Aloysius College (Autonomous)**Mangaluru****B.Sc.- SEMESTER IV – Degree Examination****May/June - 2023****ECONOMICS IV (a)****MACRO ECONOMICS - II**

Time: 2½ Hours..

Max. Marks: 60

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

1. Define macroeconomics.
2. What are the five forms of wealth given by Milton Friedman?
3. What are the methods of measuring unemployment?
4. What is inflationary gap?
5. What is the difference between absolute and relative poverty?
6. Define tax.
7. What is exchange rate?
8. Give the meaning of balance of payment.

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

9. Write a note on problems in measuring welfare.
10. Explain the characteristics of monetary economy.
11. Briefly explain the measures of money supply in India.
12. Explain the types of business cycles.
13. Explain the various types of inflation.
14. Write a note on causes of deflation.
15. What is the difference between private and public finance?
16. Write a note on canons of public expenditure.
17. Write a note on effects of tariff.

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

18. Explain the scope and uses of macroeconomics.
19. Explain the various types of unemployment.
20. Explain the various phases of business cycle.
21. Explain the poverty alleviation programmes in India.

(2021 Batch Onwards)

G 513 DC2.4

Reg. No. :

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St Aloysius College (Autonomous)
Mangaluru

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

ECONOMICS IV (b)
APPLIED ECONOMETRICS

Time: 2½ hrs.

Max Marks: 60

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

1. What do you mean by dynamic econometric model?
2. Give a suitable example on finite lag model related to consumption expenditure.
3. How do we draw a conclusion on identification problem in the model?
4. Sectors are divided into 3 categories such as East, West and North East. Build a dummy variable model for each sector.
5. Write the hypothesis for the following test.
 - a) Kolmogorov -Smirnov
 - b) Hosmer- Lemeshow
6. Table 1: Binary Logistic Regression of QOL (Good & Poor) of the study participants

Variables	B	S.E.	P value	Odds ratio	95% C.I. for odds ratio	
					Lower	Upper
Life Style						
Self-Supportive	Reference					
Dependent	0.568	0.369	0.124	1.765	0.856	3.637

Interpret the above BLR model.

7. Define Research.
8. State any four types of qualitative research.

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

9. Prove that $Y_t = \alpha(1-\lambda) + \beta_0 X_t + \lambda Y_{t-1} + v_t$
10. How Almon model estimates the distributed lag model? Explain.
11. Write a note on ILS model.
12. Interpret the following regression function.

$$Y = B_1 + B_2 X_i + B_3 D_i + u, \quad D = 1 \text{ for female and } 0 \text{ for male.}$$

$$\text{Food expenditure} = 103736.0493 + 0.6303 (\text{after-tax income}) - 228.9868 D_i$$

$$SE = (188.0096) \quad (107.0582) \quad (0.0061)$$

$$t = (8.0115) \quad (-2.138) \quad (9.6417)$$

$$p = (0.001) \quad (0.06) \quad (0.001)$$

$$r^2 = 0.9284$$

Contd...2

13. Briefly explain the properties of logistic regression equation.
14. State the steps to find out BLR model using SPSS.
15. Describe the characteristics of research.
16. Distinguish between qualitative and quantitative research.
17. Write a note on prisoners' dilemma.

PART – C

III. Answer any TWO of the following.

(2×10=20)

18. What are the types of regression? How dummy variable can be a best indicator for seasonal analysis? Explain.
19. a) How to test the goodness of fit?
b) Draw the forest plot from the below table.

Study variables	B	Lower limit	Upper limit
Lifestyle (Dependent)	0.568	0.86	3.64
Duration of disease (> 2 years)	0.875	1.08	5.35
Anxiety (No)	2.828	2.97	96.49
Depression (No)	0.542	0.41	7.25

- c) Write down the steps to find the following in SPSS.
 - i. Mann- Whitney u test
 - ii. Odds ratio
 - iii. Forest plot.
- d) Frame a hypothesis for binary logistic model using above table.
20. Explain the types of research.
21. Explain the interpretative paradigms of qualitative research.

(2021 Batch onwards)

G 514 DC1.4

Reg. No. :

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester IV – Degree Examination

May/June -2023

FOOD SCIENCE

FUNDAMENTALS OF FOOD CHEMISTRY AND MICROBIOLOGY

Time: 2½Hours

Max. Marks: 60

Note: i) Answer all the questions

ii) Draw diagrams wherever necessary

PART – A

1. Answer any FIVE of the following: (5×2=10)
- What are Lipoproteins? With Example
 - Write about Essential fatty acids.
 - What are Chylomicrons?
 - Define Coagulation.
 - Write about Myoglobin.
 - What is Isomerism?
 - Define Absorption Spectra.

PART – B

Answer any SIX of the following: (6X5=30)

- How bacterial cells damage the host cells?
- Explain in detail Factors Influencing the growth of microorganisms in Food.
- Explain in detail about determination of Moisture Content.
- Write a short note on Alcoholic fermentations by yeast.
- Write short notes on Role of Water Activity in Food Products.
- Explain in detail about Role of Antioxidant in Human life.
- Explain in detail about Prokaryotes and Eukaryotes.
- Explain in detail about Microbial Toxin.

PART – C

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

- Write short notes on Proteins along with their classification.
- Explain in detail about Vitamins and their importance in daily life.
- Explain in detail about carbohydrates along with their classification.

(2021 batch onwards)

G 701 AE1.4

Reg. No:

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**St Aloysius College (Autonomous)
Mangaluru**

**B.A / B.Sc./B.C.A. - Semester IV – Degree Examination
May / June - 2023**

**Ability Enhancement Compulsory Course
Constitution of India And Value Education**

Time: 2½ Hours

Max. Marks: 60

PART – A**Constitution of India****I. Answer any FIVE of the following questions.****(5x2=10)**

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

1. What is meant by constitution?

ಸಂವಿಧಾನ ಎಂದರೇನು?

2. Why is India called Republican State?

ಭಾರತವನ್ನು ಗಣರಾಜ್ಯವೆಂದು ಯಾಕೆ ಕರೆಯುತ್ತಾರೆ?

3. Which amendment to the constitution added the words 'socialist and secular' to the preamble of the Indian Constitution?

ಯಾವ ತಿದ್ದುಪಡಿಯ ಮೂಲಕ ಭಾರತೀಯ ಸಂವಿಧಾನದ ಪೂರ್ವಪೀಠಿಕೆಗೆ 'ಸಮಾಜವಾದಿ ಮತ್ತು ಜಾತ್ಯಾತೀತ' ಎಂಬ ಪದವನ್ನು ಸೇರಿಸಲಾಗಿದೆ.

4. Mention any two qualifications required to be elected as President of India.

ಭಾರತದ ರಾಷ್ಟ್ರಪತಿಯಾಗಿ ಆಯ್ಕೆಗೊಳ್ಳಲು ಬೇಕಾಗಿರುವ ಯಾವುದಾದರೂ ಎರಡು ಅರ್ಹತೆಗಳನ್ನು ಬರೆಯಿರಿ.

5. Who appoints the governor of the state?

ರಾಜ್ಯದಲ್ಲಿನ ರಾಜ್ಯಪಾಲರನ್ನು ಯಾರು ಆಯ್ಕೆ ಮಾಡುತ್ತಾರೆ?

6. Which is the lower house of the union Parliament? What is its term?

ಕೇಂದ್ರ ಶಾಸಕಾಂಗದ ಕೆಳಮನೆ ಯಾವುದು ? ಅದರ ಅಧಿಕಾರ ಅವಧಿ ಎಷ್ಟು?

7. Mention any two features of 73rd constitutional amendment.

ಸಂವಿಧಾನದ 73ನೇ ತಿದ್ದುಪಡಿಯ ಯಾವುದಾದರೂ ಎರಡು ಲಕ್ಷಣಗಳನ್ನು ಬರೆಯಿರಿ.

8. What is meant by bicameral legislature?

ದ್ವಿ ಸದನ ಶಾಸಕಾಂಗವೆಂದರೇನು?

II. Answer any FIVE of the following questions.**(5x5=25)**

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

9. Write a short note on Constituent Assembly.

ಸಂವಿಧಾನ ರಚನಾ ಸಭೆಯ ಬಗ್ಗೆ ಲಘು ಟಿಪ್ಪಣಿಯನ್ನು ಬರೆಯಿರಿ.

10. Explain the fundamental duties of Indian citizens.

ಭಾರತದ ಪ್ರಜೆಗಳ ಮೂಲಭೂತ ಕರ್ತವ್ಯಗಳನ್ನು ವಿವರಿಸಿರಿ.

11. Examine the Gandhian and Liberal Principles of Directive Principles of State Policy.

ರಾಜ್ಯ ನಿರ್ದೇಶಾತ್ಮಕ ತತ್ವಗಳಲ್ಲಿನ ಗಾಂಧಿವಾದಿ ಮತ್ತು ಉದಾರವಾದಿ ತತ್ವಗಳನ್ನು ಪರಿಶೀಲಿಸಿ ಬರೆಯಿರಿ.

12. Explain the powers and functions of Election Commission in India.

ಭಾರತ ದಲ್ಲಿನ ಚುನಾವಣಾ ಆಯೋಗದ ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿರಿ.

13. Examine any two jurisdictions of Supreme Court of India.

ಭಾರತದಲ್ಲಿನ ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯದ ಯಾವುದಾದರೂ ಎರಡು ಅಧಿಕಾರ ವ್ಯಾಪ್ತಿಯನ್ನು ಪರಿಶೀಲಿಸಿ ಬರೆಯಿರಿ.

14. Write a short note on Right to Information Act of 2005.

ಮಾಹಿತಿ ಹಕ್ಕು ಕಾಯ್ದೆ 2005 ಇದರ ಬಗ್ಗೆ ಲಘು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

15. Explain the powers and functions of Vidhan Parishad.

ಪೆಧಾನ ಪರಿಷತ್ತಿನ ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿರಿ.

Contd...2

G 701 AE1.4

Page No. 2

III. Answer any ONE of the following question.**(1x10=10)**

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿ.

16. Explain the salient features of Indian Constitution.
ಭಾರತದ ಸಂವಿಧಾನದ ಪ್ರಮುಖ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿರಿ.
17. Examine the composition and powers and functions of Lok Sabha.
ಲೋಕಸಭೆಯ ರಚನೆ ಮತ್ತು ಅಧಿಕಾರ ಹಾಗೂ ಕಾರ್ಯವನ್ನು ವಿವರಿಸಿ.
18. Explain the role of Prime Minister in India.
ಭಾರತದಲ್ಲಿ ಪ್ರಧಾನಮಂತ್ರಿಯ ಪಾತ್ರವನ್ನು ವಿವರಿಸಿರಿ.

**PART – B
VALUE EDUCATION**

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

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಒಂದು ಪುಟಕ್ಕೆ ಮೀರದಂತೆ ಬರೆಯಿರಿ.

19. How to promote religious harmony?
ಧಾರ್ಮಿಕ ಸಾಮರಸ್ಯವನ್ನು ಹೇಗೆ ಹರಡುವುದು?
20. Write down problems of sexual minorities?
ಲೈಂಗಿಕ ಅಲ್ಪಸಂಖ್ಯಾತರ ಸಮಸ್ಯೆಗಳನ್ನು ಬರೆಯಿರಿ.

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

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಎರಡು ಪುಟಕ್ಕೆ ಮೀರದಂತೆ ಬರೆಯಿರಿ.

21. Write an essay on civic consciousness and social responsibility.
ನಾಗರಿಕ ಪ್ರಜ್ಞೆ ಮತ್ತು ಸಾಮಾಜಿಕ ಜವಾಬ್ದಾರಿಯ ಮೇಲೆ ಒಂದು ಪ್ರಬಂಧವನ್ನು ಬರೆಯಿರಿ.
22. How does the community contribute to the philosophy of "Reduce, Reuse and Recycle"?
"ಕಡಿಮೆ ಬಳಕೆ ಮರುಬಳಕೆ ಮತ್ತು ಪುನರು ಬಳಕೆ" ಎಂಬ ತತ್ವಶಾಸ್ತ್ರಕ್ಕೆ ಸಮುದಾಯವು ಹೇಗೆ ಕೊಡುಗೆ ನೀಡುತ್ತದೆ?

G 735 LA1.4

(2021 batch onwards)

Reg. No.

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**St Aloysius College (Autonomous)
Mangaluru**

**B.A./ B.Com./B.B.A./B.Sc./B.C.A. - Semester IV – Degree Examination
May/ June - 2023
ENGLISH**

Time: 2½ hrs.

Max Marks: 60

UNIT - I (PROSE)

I. A Answer the following in a word/phrase/sentence each.

(5x1=5)

- Azim Premji urges the nation to follow a "democratic process" when teaching youngsters. This process involves _____.
a) moulding children into our "adult" likeness.
b) being joint learners.
c) being teachers first, learners second.
- _____ is a policy that extends a country's power and influence through colonization as mentioned in the lesson. 'Peace and New Corporate Liberation Theology.'
- Children are employed by Zari factories in Delhi, _____ and other parts of India.
- In the words of Stephen Leacock who sit snugly at home while sterling exchange falls ten points in a day?
- The Sydney Peace Foundation very courageously chose _____ for the Sydney Peace Prize Award in 2004.

B Answer any THREE of the following in about 180-200 words each.

(3x5=15)

- How does the author in Simple Philosophy comment on the sense of "ownership" over nature or land displayed by the "Great Chief"? Elaborate.
- In what different ways are the children in modern days straitjacketed in the author's opinion? Explain.
- Comment on the contribution of the worlds of money and corporate media in the genocide during the Iraq crisis. Justify your comments based on the content of the lecture.
- Describe the predicament that the Fowlers encounter with their butler? Make an assessment of what happens between the Fowlers and the butler.

UNIT - II (POETRY)

II. Answer any TWO of the following in about 180-200 words each.

(2x5=10)

- How does the poet bring out the dehumanization and objectification of the black bodies in 'The Lynching'? Give illustrations from the poem.
- Enumerate the concrete instances that the poet presents where we are advised to stay calm. Mention some of the specific life instances presented in the poem 'Stay Calm.'
- The theme of the poem 'Channel Firing' concerns the painful knowledge of the dead and the utter ignorance of the living. In what ways does Hardy show the dead as "knowing" and the living as "ignorant"?
- What is the "vision" or "revelation" that the poem by Yeats presents in the second half of the poem? Comment.

Contd...2

UNIT - III (SHORT - STORY)**III. Answer any TWO of the following in about 180-200 words each.****(2x5=10)**

1. Write a note on the various characters sailing in the vessel and the purpose of their journey with reference to the short story, 'The Three Hermits'.
2. How do the Helmsmen/captain assist the Bishop to reach the curious island at last according to the short story, 'The Three Hermits'?
3. Write a descriptive note on the characteristic traits of King Yiji.
4. Describe the layout of the wine tavern in Lu Town with reference to the short story, 'King Yiji'.

UNIT - IV (Grammar and Writing Skills)**IV A. Change the voice of the following sentences.****(5x1=5)**

1. They are taking interviews for different posts.
2. The teacher always answers the students' questions.
3. Someone could have texted her.
4. The University will conduct the examinations in May.
5. Have you invited them?

B. Fill in the blanks with the correct form of the verb given in brackets.**(5x1=5)**

1. Running to the store and flying through the air _____ my favourite sports. (is, are)
2. Thirteen feet of kite string _____ very easily. (tangle, tangles)
3. My family with all my crazy cousins always _____ to the store. (walk, walks)
4. Everyone _____ his/her way of thinking. (has, have)
5. Eric along with Emily _____ going for a walk. (is, are)

C. Frame 'WH' questions to get the underlined words as an answer.**(5x1=5)**

1. I brush my teeth twice a day.
2. I borrowed money from Nikhil.
3. She can come tomorrow.
4. We came late because our car broke down.
5. Our dog barks when it hears a noise.

D. Convert the following sentences into indirect speech. (5x1=5)

1. Marla said, "Sing with me."
2. Seema said to her friends, "Please have lunch with us tomorrow."
3. His father said to Alan, "Bravo! You have done well."
4. "Can I have the newspaper, please?"
5. The girl said, "What a fool I am!"

(2021 batch only)

G 736 LA3.4

Reg. No.

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St Aloysius College (Autonomous)
Mangaluru

II B.A/B.Com/B.B.A/B.Sc./B.C.A. - Semester IV
MAY/JUNE -2023

HINDI

Time: 2½ hrs.

Max Marks: 60

I अ) एक वाक्य में उत्तर लिखिए :

(4X1=04)

१. स्वतंत्र देश को अपनी ही भाषा में राजकाज चलाना चाहिए यह किसका अभिमत था ?
२. संविधान के किस अनुच्छेद के अनुसार सन 1955 में राजभाषा आयोग की नियुक्ति की गयी है ?
३. प्रथम राजभाषा आयोग की सिफारिशों पर विचार करने के लिए कितने सदस्यों को नियोजित किया गया ?
४. राजभाषा आयोग के गठन का आदेश कब हुआ ?

आ) किन्हीं दो प्रश्नों का उत्तर लिखिए :

(2X4=08)

१. संविधान में राजभाषा संबंधी मुख्य बिंदुओं पर प्रकाश डालिए ।
२. 'मनचंगा तो कठीती में गंगा।' उद्धरण का भाव पल्लवन कीजिए ।
३. 'लोकतंत्र में वोटिंग का महत्व' विषय पर निबंध लिखिए ।

II अ) निम्नलिखित लोकोक्ति और मुहावरों का अर्थ लिखिए :

(4X1=04)

१. अपनी गली में कुत्ता भी शेर होता है ।
२. उन्नीस बीस का अंतर ।
३. अंधों में काना राजा ।
४. ऊंची दूकान फीके पकवान ।

आ) किन्हीं दो प्रश्नों का उत्तर लिखिए :

(2X4=08)

१. दूरदर्शन के महत्व पर प्रकाश डालिए ।
२. संवाददाता के गुणों के बारे में लिखिए ।
३. साक्षात्कार से होनेवाले लाभ पर अपना विचार व्यक्त कीजिए ।

III अ) एक वाक्य में उत्तर लिखिए :

(3X1=03)

१. किसके माध्यम से मनुष्य समाज और सामाजिक व्यवस्था का निर्माण करता है ?
२. लेखक ने यात्रा करने के कितने प्रकार बताए हैं ?
३. लेखक दूसरे दर्जे में सफ़र करना क्यों चाहते थे ?

आ) किसी एक विषय पर टिप्पणी लिखिए :

(1X4=04)

१. भाषा का विकास
२. परसाई जी के चीजें खो जाना ।

Contd...2

G 736 LA3.4

Page No. 2

इ) किसी एक की संदर्भ सहित व्याख्या कीजिए :

(1X4=04)

१. "जनाब अपना बोरिया - बिस्तर समेट लें और जरा चलते नजर आइये। यह आपका अपमान नहीं है एक जीवन दर्शन का निचोड़ है।"
२. "हाँ, इतने बड़े जलसे में चप्पलों की अदला-बदली हो ही जाती है।"

ई) किसी एक प्रश्न का उत्तर लिखिए :

(1X7=07)

१. 'बहता पानी निर्मला' यात्रा वृत्तांत में चित्रित अज्ञेय जी के अनुभवों पर प्रकाश डालिए।
२. 'ईमानदारों के सम्मेलन में' पाठ का सारांश अपने शब्दों में लिखिए।

IV अ) एक वाक्य में उत्तर लिखिए :

(3X1=03)

१. रज़िया के कितने बेटे थे ?
२. नेता नहीं नागरिक चाहिए पाठ के लेखक कौन है ?
३. यशपाल जी की सहधर्मिणी का नाम क्या है ?

आ) किसी एक विषय पर टिप्पणी लिखिए :

(1X4=04)

१. साहित्यकार भीष्मसहानी
२. हसन

इ) किसी एक की संदर्भ सहित व्याख्या कीजिए :

(1X4=04)

१. "सुना था, आप यही रहते हैं। कहाँ रहते हैं मालिक? मैं तो अक्सर आया करती हूँ।"
२. "देखो मैंने नमक का कानून तोड़ा है, मेरे हाथ में नमक की पुड़िया है, इसे मैंने स्वयं बनाया है।"

ई) किसी एक प्रश्न का उत्तर लिखिए :

(1X7=07)

१. 'नेता नहीं नागरिक चाहिए' निबंध का सार लिखकर विशेषताओं पर प्रकाश डालिए।
२. 'आत्मकथा अंश' पाठ का सार अपने शब्दों में लिखिए।

(2021 batch onwards)

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Reg. No.:

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ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
ಮಂಗಳೂರು

ಬಿ.ಎಸ್ಸಿ - ನಾಲ್ಕನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

ಮೇ / ಜೂನ್ 2023

ಕನ್ನಡ ಭಾಷಾ ಪತ್ರಿಕೆ - 4

ಅಂಕಗಳು : 60

ಸಮಯ : 2½ ಗಂಟೆ

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

1. ಕರ್ಣನ ಸ್ವಾಮಿನಿಷ್ಠೆ 'ಮಾನನಿಧಿಯನದೆಂತು ಮರದವೆನು' ಕಾವ್ಯಭಾಗದಲ್ಲಿ ಹೇಗೆ ನಿರೂಪಿತವಾಗಿದೆ? ವಿವರಿಸಿ
2. ಭರತನು ಬಾಹುಬಲಿಯನ್ನು ಅಹಿಂಸೆಯಿಂದಲೇ ಗೆದ್ದ ಬಗೆಯನ್ನು ಕಾವ್ಯಭಾಗದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ನಿರೂಪಿಸಿರಿ
3. ಮಾನವೀಯತೆ ಮತ್ತು ಸಂಪ್ರದಾಯ ಇವೆರಡರ ಸಂಘರ್ಷ 'ತಾಯನ' ಕತೆಯಲ್ಲಿ ವ್ಯಕ್ತವಾದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ
4. ದುರ್ಗಪ್ಪ ಅಂಗಡಿ ಒಬ್ಬ ಯಶಸ್ವಿ ರೈತನಾದ ಬಗೆಯನ್ನು ಲೇಖನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿಶ್ಲೇಷಿಸಿ
5. ಮನ್ವಂತರದ ಮಾನುಷಿ ಕವಿತೆಯಲ್ಲಿ ಸ್ತ್ರೀ ಸಂವೇದನೆ ಹೇಗೆ ವ್ಯಕ್ತವಾಗಿದೆ? ವಿವರಿಸಿ
6. ಅಂಬೇಡ್ಕರ್ ಅವರ ಬಾಲ್ಯದ ಕುರಿತು ಬರೆಯಿರಿ

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

7. ಪ್ರಕೃತಿಯ ಮುನಿಸನ್ನು 'ಸುನಾಮಿಯ ಸುಳಿಯಲ್ಲಿ' ಕವನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ
8. ಪಾಚಕ್ಕನ ಗಂಡಾಂತರ ತಂದ ಪ್ರಸಂಗಗಳ ಸ್ವಾರಸ್ಯವನ್ನು ವಿವರಿಸಿ
9. ಪ್ಯಾರ ಹಾಗೂ ಓತಿಕ್ಯಾತದ ನಡುವೆ ನಡೆದ ಪ್ರಸಂಗಗಳನ್ನು ವಿವರಿಸಿ
10. 'ನೌಕೆ' ಕವನದ ಆಶಯವೇನು?
11. ಚೌಡರ ಕೆರೆ ಹೋರಾಟ ಮತ್ತು ಪರಿಣಾಮವನ್ನು ವಿವರಿಸಿ
12. ಕವಿಯ ಮಾನಸಿಕ ತೊಳಲಾಟವನ್ನು ನಿಸಾರ್ ಅಹಮ್ಮದ್ ಅವರ ಕವನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ

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

13. ಕಾಳಗವುಂಟು ಖಡ್ಗದ ಯುದ್ಧ ಬೇಡ ಕೇ
ಳ್ಳೇಲಾದ ಮೃದುಲಯುದ್ಧವನು
ತೋಳ ಬಲೆಯೋಳೆ ನೀವಿಬ್ಬರು ಮಾಳ್ಕುದೆಂ
ದಾ ಲೇಸುಗಾರರಾಡಿದರು
14. ಈ ನಗರವೋ ಒಂದು ಚಕ್ರವ್ಯೂಹ
ಯಾವ ಕ್ಷಣ ಹೇಗೋ ! ಭೀತಿ, ಸಂದೇಹ
ಆದರೂ ಈವರೆಗೆ
ಪ್ರತಿ ಸಂಜೆ ಗಂಡ ಫ್ಯಾಕ್ಟರಿಯಿಂದ
ಮಕ್ಕಳು ಸುರಕ್ಷಿತ ಶಾಲೆಗಳಿಂದ
ಹಿಂದಿರುಗುತ್ತಿರುವರಲ್ಲ!
-ಏನೀ ಅದ್ಭುತವೇ!

Contd...2

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IV ಎರಡು ಪದ್ಯ ಸಾಲುಗಳ ಸಂದರ್ಭ ಸೂಚಿಸಿ ಸಾಲಿನ
ಮಹತ್ವವನ್ನು ವಿವೇಚಿಸಿ

(2X2= 04)

15. ಕೌರವ ಬಾಳಲರಿಯದೆ ಕೆಟ್ಟನು
16. ಸಂಜೆ ಮೂಡಲಿ ದೂರ ತೀರದ ಪಂಜಿನಾ ಮನೆಯು
17. ಚೆಲ್ಲಿದ ರಕ್ತದಲ್ಲಿ ರಾಷ್ಟ್ರೀಯತೆಯ ಧಾತುಗಳ
18. ನುಡಿಯೊಳೆ ಚಕ್ರಿ ಗೆಲ್ಲುದ ಕಂಡು ಪೊಗಳ್ಳರು

V ಅ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ

(3X2= 06)

19. ಕುಮಾರವ್ಯಾಸ
20. ರತ್ನಾಕರವರ್ಣಿ
21. ಎಚ್.ನಾಗವೇಣಿ
22. ಡಾ. ಬಿ. ಆರ್. ಅಂಬೇಡ್ಕರ್

ಆ) ಕೆಳಗಿನ ಎರಡರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ

(3X2= 06)

23. ಗಾಜನೂರಿನ ರೈತ ಕೃಷ್ಣನ ಕೃಷಿ ಸಾಧನೆ
24. ಡಾ. ಕೆ. ಚಿನ್ನಪ್ಪ ಗೌಡ
25. ರಾಮ್ ಜೀ ಸಕ್ವಾಲ್
26. ಕೆ.ಪಿ. ಪೂರ್ಣ ಚಂದ್ರ ತೇಜಸ್ವಿ

VI ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ

(1X10= 10)

27. ಕುಮಾರವ್ಯಾಸನ ಆರಾಧ್ಯ ದೈವ ಯಾರು?
28. ಸಾಂಗತ್ಯ ಚಕ್ರವರ್ತಿ ಎಂದು ಪ್ರಸಿದ್ಧನಾದ ಕವಿ ಯಾರು?
29. ನಿತ್ಯೋತ್ಸವದ ಕವಿ ಯಾರು?
30. 'ಅಣ್ಣನ ನೆನಪು' ಯಾರನ್ನು ಕುರಿತ ಜೀವನಚರಿತ್ರೆ?
31. 'ಗಾಂಧಿ ಬಂದ' ಕಾದಂಬರಿಯನ್ನು ಬರೆದವರು ಯಾರು?
32. ಭಾರತದ ಸಂವಿಧಾನ ಶಿಲ್ಪಿ ಎಂದು ಯಾರನ್ನು ಕರೆಯುತ್ತಾರೆ?
33. ಕೆ. ಎ. ದಯಾನಂದರು ರೈತರ ಕೃಷಿ ಪದ್ಧತಿಯನ್ನು ಪ್ರತ್ಯಕ್ಷವಾಗಿ ಕಂಡು ದಾಖಲಿಸಿದ ಕೃತಿ ಯಾವುದು?
34. ಡಾ. ಬಿ.ಆರ್. ಅಂಬೇಡ್ಕರ್ ಅವರ ಪತ್ನಿಯ ಹೆಸರೇನು?
35. 'ನೌಕೆ' ಕವನವನ್ನು ಬರೆದವರು ಯಾರು?
36. 'ಮುಗಿಲ ಹಕ್ಕಿ' ಕವನಸಂಕಲನವನ್ನು ಬರೆದವರು ಯಾರು?

**St Aloysius College (Autonomous)
Mangaluru**

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

SANSKRIT

Time: 2½ hrs.

Max Marks: 60

- 1 द्वौ अनुवादं कृत्वा विवृणुत । 2 x 5 = 10
- 1.1 त्रातोऽयं शङ्खचूडः पतगपतिमुखात् वैनतेयो विनीतः
तेन प्राग्भक्षिता ये विषधरपतयो जीवितास्तेऽपि सर्वे ।
मत् प्राणाप्या विमुक्ता न गुरुभिरसवः चक्रवर्तित्वमाप्तम्
साक्षात् त्वं देवि दृष्टा प्रियमपरमतः किं पुनः प्रार्थ्यते यत् ॥
- 1.2 भुक्तानि यौवनसुखानि यशोऽवकीर्णं राज्ये स्थितं स्थिरधिया चरितं तपोऽपि ।
श्लाघ्यः सुतः सुसदृशान्वयजा स्नुषेयं चिन्त्यो मया ननु कृतार्थतयाऽद्य मृत्युः ॥
- 1.3 यस्त्रिशङ्गो मम त्वासीन्मनोज्ञो वंशपर्वतः ।
स मध्यशङ्गभङ्गेन मनस्तपति मे भृशम् ॥
- 1.4 जानामि सर्वत्र सदा च नाम द्विजोत्तमाः पूज्यतमाः पृथिव्याम् ।
अकार्यमेतच्च भयाद्य कार्यं मातुर्नियोगाद् अपनीय शङ्काम् ॥ 3 x 4 = 12
- 2 त्रीन् सप्रसङ्गं विवृणुत । 3 x 5 = 15
- 2.1 बलाबलं परिज्ञाय पुत्रमेकं विसर्जय ।
2.2 मर्षयतु भवान् मर्षयतु । अयं मे प्रकृतिदोषः ।
2.3 नायं नागः, परित्यज एनम्, माम् भक्षय ।
2.4 विचित्राणिहि दैवविलसितानि ।
2.5 स्वरोऽयं बहुसदृशो धनञ्जयस्वरस्य ।
- 3 त्रीन् कर्णाटकभाषया आङ्ग्लभाषया वा प्रबन्धात्मकमुत्तरं लिखत । 3 x 5 = 15
- 3.1 संस्कृतनाटकानाम् उगमः – विकासविचारे प्रबन्धं लिखत ।
3.2 मध्यमव्यायोगः इति नाटकशीर्षिकायाः सार्थक्यं निरूपयत ।
3.3 नागानुकम्पा – रूपकभागं सविमर्शं निरूपयत ।
3.4 मध्यमव्यायोगः रूपके वृद्धब्राह्मणकुटुम्बस्य सदस्यानां पात्रचित्रणं कुरुत ।
3.5 शङ्खचूडः – पात्रस्य चित्रणं कुरुत ।
- 4 एकं संस्कृतेन टिप्पणीं लिखत । 1 x 5 = 05
- 4.1 पाण्डवाः ।
4.2 श्रीहर्षदेवः ।
4.3 महाभारतम् ।
- 5 द्वौ कर्णाटकभाषया आङ्ग्लभाषया वा टिप्पणीं लिखत । 2 x 4 = 08
- 5.1 भरतवाक्यम् ।
5.2 वृद्धब्राह्मणः ।
5.3 घटोत्कचः ।
- 6 एकम् अलङ्कारं सलक्षणं सोदाहरणं विवृणुत । 1 x 5 = 05
- 6.1 श्लेषः ।
6.2 उपमा ।
6.3 रूपकः ।
- 7 एकं वृत्तं सलक्षणं सोदाहरणं विवृणुत । 1 x 5 = 05
- 7.1 उपेन्द्रवज्रा ।
7.2 अनुष्टुप् ।
7.3 वसन्ततिलका ।

(2021 Batch onwards)

G 739.LA 8.4

Reg. No:

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St Aloysius College (Autonomous)
Mangaluru

B.A. /B.Sc./B.Com Semester IV - Degree Examination
May /June - 2023

KONKANI

Max. Marks: 60

Time: 2 1/2 Hours

ಕವನಾಂ- ಯುನಿಟ್ ೧

(5×1=5)

I ಖಂಚಾಯ್ ಎಕಾ ಕವನಾಚೊ ಸಾರಾಂಶ್ ಬರಯಾ

೧. ಮ್ಹಜ್ಯಾ ಮತೀಂತ್ ಕದಾಳಾಗೀ ಸರ್ ಲ್ಹಾ

ಪಾಪ್ಯಾಕ್ ಸಯ್ರ್ಯಾ ಧಯ್ರ್ಯಾಂನಿ

ಕಾಲ್ ಮಾತ್ಯೆಕ್ ಪಾಯ್ಲಾ.

೨. ದೊಳ್ಯಾ ಖಾಂಚಿಂತ್ಲಿಂ ದುಃಖಾಂ ಪುಸುನ್ ಭಾಯ್ರ್ ಯೆತಾನಾ

ಬೋಳ್ ರುಕಾರ್ ಭಿಜ್ಲೊ ಕಾವ್ಲೊ

ಆಂಗ್ ಪಾಪ್ಯಾಂಕ್ ಲಾಗೊ

ಥೆಂಬೆ ಉಸಾಳ್ಚೆ ತೊ ಸುಶೆಗಾತ್ ಉಬೊ.

(1×5=5)

II. ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ

೧. ನಂದಿನಿ ಕೊಣಾಚೆಂ ಲಿಖ್ಣೆ ನಾಂವ್ ಜಾವ್ನಾಸಾ?

೨. ಪಪ್ಪ ಲಾಗಿಂ ಸವಾಲ್ ಕಿತೆಂ?

೩. ನೆಟ್ ವರ್ಕ್ ಬಿಡ್ಲಿ ಕವನಾಚೊ ಕವಿ ಕೋಣ್?

೪. ನಯೀಫ್ ರಸ್ತೊ ಖಂಯ್ಸರ್ ಆಸಾ?

೫. ಕುರು ಕುರು ಕಾನಾ ಬಾಳ್ ಗೀತ್ ಸಂಪೂರ್ಣ್ ಕರಾ.

(5×1=5)

III ಖಂಚಾಯ್ ಎಕಾ ಸವಾಲಾಕ್ ಜಾಪ್ ಬರಯಾ :

೧. ಧುಂವಾಕ್ ಆನಿ ದುಬ್ಳಿಕಾಯೆಕ್ ಆಸ್ಲೊ ಸಂಬಂಧ್ ಕಸೊ ವ್ಯಕ್ತ್ ಜಾಲಾ?

೨. ಜಿಣಿಯೆಂತ್ ಸಾವ್ಲೊ ಮನ್ಶಾಕ್ ಕಸಲ್ಯಾ ಆಶೆಕ್ ವರ್ನ್ ಪಾಯ್ಲಾತ್ ವಿವರ್ಸಿಯಾ.

ಗಡ್ಯ ಭಾಗ್ ಯುನಿಟ್ -೨

(1×5=5)

I ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ

೧. ಭಾವ್ ಅಂತೊನ್ ಮೊಸ್ಕನಿಚೊ ಜಲ್ಮ್ ಕದಾಳಾ ಜಾಲೊ?

೨. ಭಾವ್ ಮೊಸ್ಕನಿನ್ ಸೊಡಯಿಲ್ಲಿಂ ಪಿಂತುರಾಂ ಆಸ್ಲ್ಯಾ ಖಂಚಾಯ್ ಎಕಾ ಇಗರ್ಜೆಚೊ ಉಲ್ಲೇಖ್ ಕರಾ.

೩. ವೊಕ್ಲೆ-ನೊವ್ರ್ಯಾಚೆ ನ್ಹೆಸಣ್ ಉಲ್ಲೇಖ್ ಕರಾ.

೪. ಜುಸ್ತಿಫಿಕಾಕ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

೫. " ಕಾನಿಂ ಘಾಲೆಂ ತೇಲ್ ಕವಾಲಿಂ ಕಾಡ್ಲೊ..... ಹಿ ವೊವಿ ಪೂರ್ಣ್ ಕರಾ.

(5×2=10)

II. ಖಂಚಾಯ್ ದೋನ್ ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ

೧. ಕೊಂಕ್ಣಿ ಸಂಸ್ಕೃತೆಂತ್ ಗರ್ಭಸ್ತ ಸ್ತ್ರೀಯೆಕ್ ಕರ್ಚೊ ಸನ್ಮಾನ್ ಕಳಯಾ.

೨. ಖಂಚೊಯ್ ಪಾಂಚ್ ವೊವಿಯೊ ಬರಯಾ.

೩. ಭಾವ್ ಅಂತೊನ್ ಮೊಸ್ಕನಿಚ್ಯಾ ಜಿಣ್ಯೆಚಿ ಪರಿಚಯ್ ಕರಾ.

೪. ಕೊಂಕ್ಣಿ ಸಂಸ್ಕೃತೆಚ್ಯಾ ನ್ಹೆಸಣ್ ವಿಶಿಂ ಉಲ್ಲೇಖ್ ಕರಾ.

Contd...2

ಯುನಿಟ್ -೩ ಕಾದಂಬರಿ

I ಏಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ

(5×1=5)

೧. ಆಂಜೆಲ್ ಕಾದಂಬರಿಚೊ ಬರಯ್ತಾರ್ ಕೋಣ್?
೨. ರೊಫಿ ಖಂಯ್ ಭಾಯ್ ಸರ್ನ್ ವೆತಾ?
೩. ಕೋಣ್ ಭಾವಾಡ್ತಾ ಖಾತಿರ್ ಜೀವ್ ದೀಂವ್ಕ್ ತಯಾರ್?
೪. ಕಾದಂಬರಿಂತ್ ಮಹಾಭಾರತಾಚೊ ಶಕುನಿ ಕೋಣ್?
೫. ಆಂಜೆಲ್ ಕೊಣಾಚಿ ಧುವ್?

II ಖಂಚಾಯ್ ದೋನ್ ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ.

(5×2=10)

೧. ಆಂಜೆಲ್ ಕಾದಂಬರಿತ್ಲ್ಯಾ ನೋರ್ಬಟಾಂಚ್ಯಾ ಪಾತ್ರಾ ವಿಶಿಂ ಚರ್ಚಾ ಕರಾ
೨. ಆಂಜೆಲ್ ಕಾದಂಬರಿ ಪ್ರಸ್ತುತ್ ಪರಿಗತೆಂತ್ ಸಮಕಾಲೀನ್ ಮ್ಹಣ್ ಭಗ್ತಾಗೀ ವಿವರ್ಸಿಯಾ.
೩. ಆಂಜೆಲ್ ಕಾದಂಬರಿಂತ್ಲ್ಯಾ ರೊಜ್ ಬಾಯೆಚೊ ಪಾತ್ರ್ ವಿವರ್ಸಿಯಾ.

ಯುನಿಟ್ ೪ - ವ್ಯಾಕರಣ್

I ಏಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ

(5×1=5)

೧. ಗಾದಿ ಕಿತೆಂ ಸಾಂಗ್ರಾತ್?
೨. ಖಂಚಿಯ್ ಏಕ್ ಹುಮಿಣ್ ಸೊಡಯಾ.
೩. ಅಮೊರ್ ಸಬ್ತ್ ಕನ್ನಡಾಂತ್ ಅನುವಾದ್ ಕರಾ.
೪. ಭಾಶಾಂತರ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?
೫. ಭಾಶಾಂತರ್ಕಾರಾಚಿ ಖಂಚಿಯ್ ಏಕ್ ಸಮಸ್ಯಾ ಉಲ್ಲೇಖ್ ಕರಾ

II ಖಂಚಾಯ್ ದೋನ್ ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ

(5×2=10)

೧. ಸಮಾಜಿಚ್ಯಾ ಉದರ್ಗತೆಂತ್ ಯುವಜನಾಂಚೊ ಪಾತ್ರ್.
೨. ಪರಿಸರ್ ರಾಕಣೆಂತ್ ಮ್ಹಜೊ ಪಾತ್ರ್.
೩. ಕಾರ್ಯಂ ಜಾಲೆಂ ವಯ್ಕ್ ಮೆಲೊ.
೪. ಖಂಚೊಯ್ ಪಾಂಚ್ ಹುಮಿಣ್ಯೊ ಸೊಡವ್ನ್ ಬರಯಾ.

G 740 LA7.4

(2021 batch onwards)

Reg. No.

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**St Aloysius College (Autonomous)
Mangaluru**

B.A./B.Sc./B.Com./B.B.A./B.C.A. Semester IV – Degree Examination
May / June - 2023

**ADDITIONAL ENGLISH
World Literature - II**

Time: 2½ hrs.

Max Marks: 60

UNIT - I (SHORT STORIES)

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

- Where was the Modern Frame works situated at as mentioned in the short story, 'The Gold Frame?'
- Check girl is one who takes care of _____.
 - Your coat and umbrella
 - Some of your important belongings
 - Items of travelling
 - Anything you ask her to take care of
- How much money did Hari Singh steal?
- What was the prayer chanted by the three hermits?
- Where was the Bishop sailing from?

B. Answer any THREE of the following in about 180-200 words each:

(3x5=15)

- How does R.K Narayan define Bharat Brand of English? Why does he strongly advocate its use?
- How is 'The Gold Frame' a story of humour, suspense and irony? Explain with examples from the story?
- If you had been Anil, what would you have done with Hari Singh? Explain with reference to the story, 'The Thief' by Ruskin Bond.
- How does the peasant describe the appearance of the hermits that he came across in one of his previous journeys?

UNIT - II (PLAY)

II. Answer any ONE of the following in about 180 words each:

(1X10=10)

- Critically evaluate any two characters in the play, 'Dance Like A Man' for their attitudes towards gender roles and how men and women "ought to" behave in society.
- Comment on how 'Dance Like A Man' talks about the devadasi system and the role of traditional "temple dancers" in Indian history?

Contd...2

UNIT - III (NOVEL)

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

1. Albert Camus', 'The Outsider' is an existential work. Comment.
2. How does the main character in 'The Outsider' respond to death?

UNIT – IV (GRAMMAR AND WRITING SKILLS)

IV A. Give suitable question tags for the following expressions: (10×1=10)

1. It's quite warm today.
2. Hundred rupees is nothing nowadays.
3. Few people thought about it.
4. A little work was done.
5. He knows the answer.
6. She never used to live in Delhi.
7. We mustn't be harsh to children.
8. Don't be late for the class.
9. Let's go for a walk.
10. Everyone played well.

B. Write an argumentative essay on any ONE of the topics given below in about 250 words: (1×10=10)

1. Is climate change the biggest threat to the world?
2. Is social media bad for kids?

(2021 Batch onwards)

G 750 LA6.4

Reg. No. :

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

**B.A./B.Sc. /B.Com./B.B.A./B.C.A. - Semester IV – Degree Examination
May /June - 2023**

FRENCH

Time: 2½ hrs.

Max Marks: 60

I. Répondez aux questions:

(1 x10=10)

1. Quand la construction de la cathédrale Notre-Dame a-t-elle commencé ?
2. Qu'est-ce que beaucoup de salariés des entreprises craignent ?
3. Quel est le salaire (SMIC) minimum en France ?
4. La tour Eiffel Construite en deux ans par -----
5. Quand les français ont un sentiment d'injustice ?
6. Où nous trouvons le tableau de Monalisa ?
7. Écrivez l'un des résultats de la révolution française.
8. Qu'est-ce que c'est la carte vitale
9. Écrivez quatre tâches ménagères.
10. Qui est le président Français?
11. Écrivez une région connue pour le fromage français.

II. Répondez aux TROIS questions en 6 ou 7 lignes

(5 x3=15)

1. Quel métier aimeriez-vous faire dans votre vie?
2. Parlez de l'économie en France.
3. Quel type de tâches ménagères vous faites souvent à la maison.
4. Enumérez et discutez l'alimentation française

III. Comparez:

(1 x 5=5)

1. Les vins et les bières (bons +)
2. Sarah et Mathilde apprennent (bien +)
3. Rajasthan et Andhra Pradesh a des fleuves (-)
4. Les femmes et les hommes travaillent (=)
5. Marc et Jonathan marchent (vite -)

IV. Mettez les verbes au temps indiqué:

(1 x 5=5)

1. Je _____ (installer - passé composé) à Lille il y a deux semaines.
2. Nous _____ (placer- présent) les livres sur la table.
3. Prends des médicaments, vous ne _____ (être- futur) plus malade.
4. Elle _____ (découvrir- passé composé) ce petit resto par hasard.
5. A l'époque, Il _____ (falloir - imparfait) que je fasse mes devoirs.

V. Répondez en utilisant les pronoms possessifs

(1x5 =5)

1. Tu as passé de bonnes vacances? J'ai dû annuler _____ à cause de la pluie.
2. Zara est-ce que c'est ses lunettes?
3. Est-ce que c'est l'appartement de nos cousins?
4. Est-ce qu'il est sa fille? Oui elle est _____
5. Elle a perdu sa valise. Tu peux le donner _____?

Contd...2

G 750 LA6.4

Page No. 2

VI. Complétez le texte avec les mots proposés:

(1 x 5=5)

(populaire, utilisateurs, appliquent, photo, population)

Les nouvelles restrictions chinoises s' _____ uniquement sur les jeux en ligne, c'est-à-dire ceux qui se jouent sur Internet soit les plus nombreux ! Et elles visent notamment Honor of Kings, le jeu multijoueur le plus _____, qui compte plus de 100 millions d' _____ quotidiens, et parmi eux de nombreux enfants et adolescents. Tu te dis peut-être qu'il sera facile pour les jeunes de contourner les nouvelles interdictions ? Détrompe-toi, car pour se connecter ils doivent désormais présenter leur _____ d'identité. Et dans ce pays où des technologies très sophistiquées surveillent près de la _____, il y a peu de chances d'échapper aux contrôles...

VII. Lisez le texte et répondez aux questions:

(1x10=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

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 ?

VIII. Dialogue

(5 x 1=5)

1. Votre amie va à un entretien pour trouver du travail. Vous lui donnez des conseils.

OU

2. Deux amis dans un restaurant.

(2021 Batch onwards)

G 751 LA5.4

Reg. No.

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**St Aloysius College (Autonomous)
Mangaluru**

**B.A./B.Com./B.Sc./B.B.A/B.C.A - Semester IV - Degree Examination
May / June -2023
MALAYALAM**

Time: 2½ hrs.

Max Marks: 60
(2x3=6)

I. വ്യാഖ്യാനിക്കുക (രണ്ടെണ്ണം)

1. ഒരു തപ്തഗോളമായ് തീരുന്ന ഭൂമിയിൽ സഫലസ്വപ്നങ്ങളായ് തീരാം..
2. എൻറെ പൊന്നോമന കേണിടുബോൾ എൻറെയടുത്തേക്ക് കൊണ്ടുപോരൂ..
ഈകൈയ്യാൽകുഞ്ഞിനെയേറ്റുവാങ്ങി
ഈമുലയുട്ടാൻ അനുവദിക്കൂ
3. വരിക നീപോയ് പഠിച്ചു മിടുകനായ്,
തരുവനപ്പോഴേക്കോമനെ, കണ്ടെത്തിത്താൻ

II. കുറിപ്പു തയ്യാറാക്കുക (രണ്ടെണ്ണത്തിന്) (2x3=6)

4. 'ആഗ്രഹമുണ്ടെങ്കിൽ പണമില്ലാത്തവനും പഠിക്കാനുള്ള സാഹചര്യം ഉണ്ടാക്കിയെ തീരു ഈ സമൂഹത്തിൽ'- എന്ന ചിന്ത മുണ്ടശ്ശേരിയിൽ ഉണ്ടാകാനിടയായ സാഹചര്യമെന്ത്?
5. മുണ്ടശ്ശേരി എഴുത്തിൻറെയും വായനയുടെയും ലോകത്തിലേക്ക് കടന്നുവരാനിടയായ സാഹചര്യമെന്ത്?
6. തൃശ്ശൂർലഹള കൊച്ചിരാഷ്ട്രീയത്തെ സാധീനിച്ചതെങ്ങിനെ?

III. ഒരുപുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക (രണ്ടെണ്ണത്തിന്) (2x7=14)

7. പരമുവിനുമുന്നിൽ ഗുരു ശിഷ്യനായിത്തീന്നതെങ്ങിനെ?
8. അമ്മ -ഒരാസ്വാദനം തയ്യാറാക്കുക
9. അച്ഛൻ മകനോട് ആവിശ്യപ്പെട്ടതെന്തൊക്കെ ?

IV. ഒന്നരപുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക (രണ്ടെണ്ണത്തിന്) (2x7=14)

10. ജോസഫ് മുണ്ടശ്ശേരി,തന്നിലൊരു പ്രസംഗികൻ വളർന്നുവരാനിടയായ സാഹചര്യത്തെക്കുറിച്ച് പരാമർശിക്കുന്ന കാര്യങ്ങളെന്തൊക്കെ
11. അന്നത്തെ സാമൂഹിക സാംസ്കാരിക ജീവിതത്തിൽ ജാതിയും സമുദായവും വല്ലാത്തൊരു ശിഥിലീകരണ ശക്തിയായിരുന്നു എന്നു ജോസഫ് മുണ്ടശ്ശേരി സമർഥിക്കുന്നതെങ്ങിനെ?
12. മുണ്ടശ്ശേരി ഓർത്തെടുക്കുന്ന തൻറെ ബാല്യകാലവിദ്യാഭ്യാസ സ്മരണകൾ എന്തൊക്കെ?

V. രണ്ട് പുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക (ഒരെണ്ണത്തിന്) (1x10=10)

13. സി.എൻ ശ്രീകണ്ഠൻനായരുടെ നാടകത്രയത്തിലെ "സാകേതം" നാടകീയതകൊണ്ടും ചടുല സംഭാഷണം കൊണ്ടും മികച്ചു നിൽക്കുന്നു-സമർഥിക്കുക
14. സി.എൻ ശ്രീകണ്ഠൻനായരുടെ സാകേതത്തിലെ കൈകേയി സാഹചര്യത്തിൻറെ ഇരയാണ്. സമർഥിക്കുക.

VI. രണ്ട് പുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക (ഒരെണ്ണത്തിന്) (1x10=10)

15. വിദ്യാഭ്യാസവും സംസ്കാരവും.
16. വൃദ്ധസദനങ്ങൾ.
17. അവയവദാനത്തിൻറെ പ്രസക്തി.

(2021 batch onwards)

Reg. No. :

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St Aloysius College (Autonomous)
Mangaluru

B.A/B.B.A/B.Sc./B.C.A- IV Semester

May /June - 2023

(Skill enhancement Course)

FINANCIAL EDUCATION AND INVESTMENT AWARENESS

Time: 2 Hours

Max Marks: 50

SECTION A

Answer the following questions

(15 X 1 =15)

1. Land, Labour, Capital and _____ are the factors of Production. (Job/ Entrepreneurship)
2. Wages, Salaries, Commission are a part of _____ (Income / Expenditure)
3. ATM Stands for
 - a. All Time Money b. Automated Teller Machine
 - c. Any Time money d. Any Time Miracle
4. _____ is a technique used to calculate the present value of the future cash flows (compounding/ Discounting).
5. _____ counts all of the output generated within the borders of the country. (GDP/ Deflation).
6. Gender is an example for _____ factor (Demographic/ Economic)
7. In which year was the RBI Act enacted?
 - a.1934 b.1935 c.1945 d.1950
8. _____ is a strong feeling, craving or demand of a person to possess some things. (Demand/ Want)
9. In case of Fundamental Analysis, what does EIC stand for?.
 - a. Equity, Investments, Capital
 - b. Economy, Industry, Company
 - c. Entrepreneur, Institution, Corporation
 - d. All of the above
10. Expand NSDL
11. Systematic risk comes from the influence of external factors on an organisation. (True/ False)
12. In investments, ELSS for _____.
 - a. Equity Linked Savings Scheme
 - b. Exceptional Liquid & Safe Scheme
 - c. Enterprise Linked Social Security
 - d. All of the above
13. _____ regulates the Indian capital Markets including mutual funds.
14. Which of these is not a money market instrument?
 - a. Certificate of Deposit b. Commercial Paper c. T-Bill d. Bonds

Contd...2

15. Greater the risk, _____ the expected returns.
- Greater
 - Lesser
 - Smaller
 - None of these

SECTION B**Answer any FIVE of the following:****(5 X 2 = 10)**

- Write two differences Money Market and Capital Market
- Write any two needs for banking
- Write any two differences between Current Account and Savings Account
- Mention any four Mutual fund houses in India
- What is EIC analysis? Why it is done?
- What does Alpha and Beta indicate?
- Name any two Depository participants in the Capital Market.

SECTION C**Answer any FIVE of the following:****(5x5=25)**

- Explain the various factors of production
- Explain the functions of Banks.
- Mention any Five needs for Investment
- Explain any Five Investment products
- Explain the three main (Primary) objectives of Investment
- Explain the different types of Mutual Fund plans.
- Explain any three investment avenues that are useful for retirement Planning.
