No. of Printed Pages : **2**

21BSC3C3CHL

B.Sc. III Semester Degree Examination, April/May - 2024

CHEMISTRY

03 : Analytical and Organic Chemistry

(NEP)

Time : 2 Hours Maximum Marks : 60

Note : *Answer* ***all*** *questions.*

SECTION - A

1. Answer the following sub-questions. Each sub-question carries **one** mark. **10x1=10**

(a) Define wavelength and write its SI unit.
(b) What is mobile phase ?
(c) What is Distribution ratio ?
(d) Write any two applications of TLC.
(e) Define extraction efficiency.
(f) Define R_f - value.
(g) What are Carbenes ?
(h) What is Centre of Symmetry ?
(i) What is E α Z configuration ?
(j) Define Stereochemistry.

SECTION - B

Answer **any four** of the following questions. Each question carries **five** marks. **4x5=20**

2. What is single beam Spectrometer ? Explain its working.

3. Explain the instrumentation of turbidimetry.

4. How TLC plates are prepared ?

5. Explain mechanism of Sandmeyer's reaction.

6. How Kinetics studies are useful in predicting the mechanism of reaction ?

7. Explain Geometrical isomerism with an example.

P.T.O.

SECTION - C

Answer **any three** of the following questions. Each question carries **ten** marks. **3x10=30**

8. (a) State Lambert's Law and Derive expression for Beer's-Lambertz Law. **6**

(b) Write the difference between Nephelometry and Turbidimetry. **4**

9. (a) State and derive Nernst Distribution Law. **6**

(b) Explain application of ion exchange chromatography in softening of hard water. **4**

10. (a) Define chromatography. What are factors affecting on Coloumn efficiency ? **6**

(b) Explain pinacol-pinacolone rearrangement with an example. **4**

11. (a) How are free radicals stabilised by : **6**

(i) Inductive effect

(ii) Resonance effect

(b) Discuss the effect of catalyst on reaction mechanism. **4**

12. (a) Explain inter-conversion of : **6**

(i) Fischer projection to Newman projection

(ii) Sawhorse to Fischer projection

(b) Explain syn and anti isomerism with example. **4**

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No. of Printed Pages : **2**

21BSC3L2LH3

B.Sc./B.C.A. III Semester Degree Examination, April/May - 2024

HINDI BASIC - III

The Study of Indian Language

(NEP)

Time : 2 Hours Maximum Marks : 60

सूचना : *लिखावट शुद्ध और देवनागरी लिपि में हो।*

(i) आधुनिक हिन्दी एकांकियाँ (ii) जनसंचार माध्यम हिन्दी

I. **किन्हीं दस** प्रश्नों को चुनकर उत्तर लिखिए। **1x10=10**

1. पृथ्वीराज के दोस्त का नाम क्या है?

2. रेवती किसकी पत्नी है?

3. बाबुलाल किस एकांकी का पात्र है?

4. शहाबुद्धीन गोरी किसके आँखें निकालता है?

5. रसाल किस एकांकी का पात्र है?

6. शाहजहाँ के आँसू एकांकी के लेखक का नाम क्या है?

7. जमुना किसकी माँ है?

8. एक घूँट, एकांकी के लेखक कौन हैं?

9. भारत में प्रेस की स्थापना कब हुई थी?

10. हिन्दी का पहला समाचार पत्र ''उदंतमार्तंड'' के संपादक कौन थे?

11. रेडियो का आविष्कार किसने किया है?

P.T.O.

II. **किन्हीं दो** के संदर्भ सहित व्याख्या लिखिए। **2x5=10**

1. ''बड़ी भाभी की नाक ही नहीं, आँखें भी बहुत तेज हैं। तुम अपने कमरे में जो करतूत करते हो, बड़ी भाभी को उसका भी सब पता है।''

2. मैं हर रोज की तरह आसमान के तारे गिनूंगा सुख के सपनों की टूटती कड़ियाँ जोड़ूँगा, आँख के पानी से दिल की आग बुझाऊँगा और खयालों में ताजमहल के भीतर सोई तेरी माँ की तस्वीर उताऊँगा।

3. वह भी, किंतु अपनत्व है। तुम मिठाई मँगवाओ, मैं पूरियाँ तले देती हूँ। संतोष, उठ तो सही। देख मामा जी आए हैं। जंल्दी आ 'आज मेरे घर आए भैया।'

III. **किन्हीं दो** प्रश्नों के उत्तर लिखिए। **2x5=10**

1. नए मेहमान एकांकी का उद्देश्य अपने वाक्यों में लिखिए।

2. जनसंचार माध्यम में रेडियो का महत्व और उसके विस्तार पर एक लेख लिखिए।

3. शाहजहाँ के आँसू एकांकी में लेखक हमें क्या समझाने की कोशिश किया है ? स्पष्ट कीजिए।

IV. **किन्हीं दो** प्रश्नों के उत्तर विस्तार से लिखिए। **2x10=20**

1. पृथ्वीराज का शौर्य और साहस पर एक सारगर्भित लेख लिखिए।

2. अंडे के छिलके एकांकी में आधुनिक बोध किस तरह से प्रस्तुत हुआ है? समझाइए।

3. जनसंचार माध्यम में 'इंटरनेट' का कितना महत्वपूर्ण योगदान है? स्पष्ट कीजिए।

4. हिन्दी भाषा के विकास में फिल्मों का क्या योगदान रहा है? चर्चा कीजिए।

V. **किसी एक** विषय पर निबंध लिखिए। **1x10=10**

1. जल प्रदूषण

2. धर्म और राजनीति

3. राष्ट्रभाषा हिन्दी

4. विज्ञान का महत्व

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No. of Printed Pages : **2**

21BSC3L2LE3

B.Sc./B.C.A./G.M.T. III Semester Degree Examination, April/May - 2024

ENGLISH

Basic English

(NEP)

Time : 2 Hours Maximum Marks : 60

SECTION - A

1. Answer the following questions in a word or a phrase, or in a sentence. **10x1=10**

(a) What was the profession of Miss Leela Benare ?

(b) What is the original title of the 'Silence! The Court is in Session' ?

(c) Where and which slogan did Netaji Subhash Chandra Bose give ?

(d) When did Dr. B.R. Ambedkar give his Constitution Assembly Speech ?

(e) Define Narrative writing.

(f) Name 4P steps of presentation.

(g) Give a definition of Persuasive writing.

(h) What is decision making presentation ?

(i) Define complaint letter.

(j) What is order letter ?

SECTION - B

Answer **any four** of the following questions. **4x5=20**

2. Sketch the character of Miss Leela Benare.

3. What is the Central idea of the speech 'Give me Blood I will give you freedom' ?

4. Briefly discuss the different forms of writing.

5. Give a descriptive writing on historical place "Hampi".

6. Write a complaint letter to M/S Tina and Company, Bombay for supplying damaged goods in your college laboratory.

7. Give an example of comparative writing on 'Urban life and Rural life'.

P.T.O.

SECTION - C

Answer **any three** of the following questions. **3x10=30**

8. Discuss Vijaya Tendulkars play Silence! The Court is in Session, as a Satire on the legal system.

9. The thoughts and aspiration of Dr. Shalini Rajneesh on 'Gender Equality and Empower women and Girls' her speech ? Elaborate.

10. Prepare a model persuasive writing on The Topic for Life of Insurance.

11. What are the different types of Presentations ? Explain.

12. Imagine you are the Sport Secretary of the college and write a letter to a sport dealer to Mr. Ashok Sports, GK part II New Delhi. To supply.

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No. of Printed Pages : **2**

21BSC3C3BTL

Sl. No.

B.Sc. III Semester Degree Examination, April/May - 2024

BIOTECHNOLOGY

Bt-3 : Biomolecules

(NEP)

Time : 2 Hours Maximum Marks : 60

Note : *(i) Answer **all** sections.*

(ii) Draw the labelled diagrams wherever necessary.

SECTION - A

1. Answer the following sub-questions in **one** word or **one** sentence each. **10x1=10**

(a) Define Glycosidic bond.
(b) Expand FADH.
(c) What is isoelectric point ?
(d) What are the products of urea cycle ?
(e) What is rancidity ?
(f) What is Holoenzyme ?
(g) Name the deficiency disease of Vitamin-C.
(h) Define Endocrinology.
(i) What is Chromatography ?
(j) Define Spectroscopy.

SECTION - B

Answer **any four** of the following questions. **4x5=20**

2. Define Carbohydrates. Classify them with suitable examples.

3. Describe the beta pleated structure of proteins with examples.

4. Explain the nomenclature and IUBMB classification of Enzymes.

5. Give an account of the sources, symptoms and functions of Vitamin-C.

6. Explain the principle and applications of Electrophoresis.

7. Write a short note on the properties of Lipids.

P.T.O.

SECTION - C

Answer **any three** of the following questions. **3x10=30**

8. Explain the steps involved in Glycolysis with the schematic representation.

9. Write a detailed note on urea cycle.

10. Explain in detail about the clinical significance of enzymes.

11. Write a note on fat soluble Vitamins.

12. Elaborate the principles, procedures and applications of paper chromatography.

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No. of Printed Pages : **2**

21BSC3C3ZOL

B.Sc. III Semester Degree Examination, April/May - 2024

ZOOLOGY

2.3 : Molecular Biology Bioinstrumentation and Techniques in Biology (NEP)

Time : 2 Hours | Maximum Marks : 60

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

(ii) Draw diagrams wherever necessary.

SECTION - A

Answer the following sub-questions. **10x1=10**

1. (a) What is Cistron ?

(b) Define Genetic Code.

(c) State Gene Expression.

(d) What is Phosphorylation ?

(e) Define Phase Contrast Microscope.

(f) Expand TLC and TEM.

(g) State Lambert's Law.

(h) What do you mean by Spectrophotometry ?

(i) Define DNA fingerprinting.

(j) What is DNA sequencing ?

SECTION - B

Answer **any four** of the following questions. **4x5=20**

2. Explain the process of Prokaryotic Transcription.

3. Write a note on process of Gene Silencing.

4. What is Centrifugation ? Write its principle and types.

5. Briefly explain Radio-tracer Technique.

6. Write a brief note on ELISA.

7. With diagram explain Confocal Microscope.

P.T.O.

SECTION - C

Answer **any three** of the following questions. **3x10=30**

8. Describe in detail Prokaryotic and Eukaryotic RNA Polymerases.

9. Describe Post-translational modifications like purpose, advantage and significance of :

(a) Glycosylation
(b) Methylation
(c) Acetylation

10. Define chromatography. Describe its principle and applications of TLC, HPLC and GC.

11. Explain :

(a) Colorimetry
(b) Spectrophotometry

12. Describe Southern Blotting and Western Blotting processes.

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No. of Printed Pages : **2**

21BSC3C3CSL

B.Sc. III Semester Degree Examination, April/May - 2024

COMPUTER SCIENCE

DSC-3 : Object Oriented Concepts and Programming in Java

(NEP)

Time : 2 Hours Maximum Marks : 60

SECTION - A

Answer the following sub-questions. Each sub-question carries **one** mark. **10x1=10**

1. (a) Who developed Java ?
(b) Define Variable.
(c) Write the syntax of if-else statement in Java.
(d) Define class.
(e) What is constructor ?
(f) Define Inheritance.
(g) Mention types of Mouse Event.
(h) What is applet ?
(i) Define thread.
(j) What is exception ?

SECTION - B

Answer **any four** questions. **4x5=20**

2. Mention the features of Java.

3. What is operator ? Explain types of relational operators.

4. How do you declare class in Java ? Explain with example.

5. What is Interface ? Explain.

6. Explain try-catch exception in Java.

7. Write a Java program to find Simple Interest.

P.T.O

SECTION - C

Answer **any three** of the following questions. **3x10=30**

8. Explain structure of Java program with simple example.

9. What is an Array ? Explain types of arrays in Java.

10. Explain types of Inheritance.

11. What is multithread ? Explain life cycle of a thread.

12. Explain life cycle of an Applet with example.

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No. of Printed Pages : **3**

21BSC3C3MTL

B.Sc. III Semester Degree Examination, April/May - 2024

MATHEMATICS

DSC - III : Ordinary Differential Equations and Real Analysis - I (NEP)

Time : 2 Hours | Maximum Marks : 60

Note : *Answer* ***all*** *sections.*

SECTION - A

1. Answer the following sub-questions, each sub-question carries **one** mark. **10x1=10**

(a) Define degree of differential equation.

(b) Show that $y = a\cos x$ is the solution of the differential equation $\frac{dy}{dx} + y\tan x = 0$.

(c) Find the complementary function of $(D^2 - 5D + 6)y = 0$.

(d) Find the particular integral of $(D^2 + 4)y = \cos 2x$.

(e) Show that the equation $x^2\frac{d^2y}{dx^2} + \frac{dy}{dx} - 2y = 0$ is exact.

(f) Write Strum Liouville boundary value problem.

(g) Define total differential equation.

(h) Write the condition for integrability of total differential equation.

(i) Define upper Riemann sum.

(j) Define lower Riemann integral.

SECTION - B

Answer **any four** of the following questions. **4x5=20**

2. Solve : $\frac{dy}{dx} = \frac{1}{\cos(x + y)}$

3. Solve : $\frac{d^3y}{dx^3} + \frac{d^2y}{dx^2} - \frac{dy}{dx} - y = e^{2x} + \cos 2x$

P.T.O.

4. Solve : $x\frac{d^2y}{dx^2} - 2(x+1)\frac{dy}{dx} + (x+2)y = (x-2)e^{2x}$, $x > 0$, given that e^x is part of complementary function.

5. Solve : $(yz+2x)dx+(zx-2z)dy+(xy-2y)dz=0$ by verifying the condition of integrability.

6. Show that a constant function is Riemann integrable.

7. Solve : $\frac{d^2y}{dx^2} - 4\frac{dy}{dx} + 4y = e^{-4x} + 5\cos 3x$

SECTION - C

Answer **any three** of the following questions. **3x10=30**

8. (a) Solve : $x^2ydx-(x^3+y^3)dy=0$ by choosing integrating factor.

(b) Find the general and singular solution of $x^2(y-px)=yp^2$ by using the substitution $x^2=u$ and $y^2=v$.

9. (a) Solve : $x^2\frac{d^2y}{dx^2} - 2x\frac{dy}{dx} - 4y = x^4$

(b) Sovle the simultaneous equations

$$\frac{dx}{dt} + x = y + e^t$$

$$\frac{dy}{dt} + y = x + e^t$$

10. (a) Solve $(1+x^2)^2\frac{d^2y}{dx^2} + 2x(1+x^2)\frac{dy}{dx} + y = 0$ using the transformation $z=\tan^{-1}x$.

(b) Sovle $\frac{x^2d^2y}{dx^2} - 2x(x+1)\frac{dy}{dx}+2(x+1)y=x^3(x>0)$ by changing the dependent variable.

11. (a) Solve $z\,dx + z\,dy + [2(x+y) + \sin z]dz = 0$ by verifying the condition of integrability.

(b) Verify the condition for integrability and solve.

$3x^2dx + 3y^2dy - (x^3 + y^3 + e^{2z})dz = 0$

12. (a) A bounded function f(x) is R-integrable defined on [a, b] if and only if for each $\varepsilon > 0$, f a partition P on [a, b] such that $0 < U(P, f) - L(P, f) < \varepsilon$.

(b) By applying mean value theorem to the integral $\int_0^{\frac{\pi}{4}} \sec x \cdot dx$ show that

$$\frac{\pi}{4} \leq \int_0^{\frac{\pi}{4}} \sec x \cdot dx \leq \frac{\pi}{2\sqrt{2}}$$

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No. of Printed Pages : **2**

21BSC3C3ELL

B.Sc. III Semester Degree Examination, April/May - 2024

ELECTRONICS

OSC 3 : Oscillations and OP-Amps

(NEP)

Time : 2 Hours Maximum Marks : 60

Note : *Answer* ***all*** *sections.*

SECTION - A

1. Answer **all** Sub-questions. **10x1=10**

(a) What are the types of clippers ?
(b) What is Oscillator ?
(c) Define Duty cycle of pulse.
(d) What is OP-Amp ?
(e) Define slow rate in OP-Amp.
(f) What is CMRR in OP-Amp ?
(g) What is Scale Charger ?
(h) What is Active filter ?
(i) What is Time Scaling ?
(j) Give examples of RC Oscillators.

SECTION - B

Answer **four** questions. **4x5=20**

2. Explain with circuit diagram.
(i) Positive Clamper
(ii) Negative biased clamper and sketch I/p and O/p waveforms.

3. Deduce the condition for good oscillation using Barkhausen Criterion in Oscillator.

4. What are ideal characteristics of OP-Amp ?

5. Explain the working of Astable multivibrator using OP-Amp.

6. Construct Astable multivibrator using IC 555 and explain with waveforms.

7. Explain the following.
(i) Unity gain OP-Amp
(ii) Subtracter

P.T.O.

SECTION - C

Answer **three** questions. **3x10=30**

8. Explain the RC integrating circuit and sketch I/p and output waveforms for Square and Triangular waveforms.

9. Draw the Colpitts Oscillator using transistor and obtain the condition for frequency and explain it.

10. With neat circuit diagram explain Bistable multivibrator using transistor.

11. Describe the OP-Amp in inverting OP-Amp configuration and obtain closed loop gain.

12. Explain Active high pass filter using OP-Amp and draw the frequency response curve.

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No. of Printed Pages : **2**

21BSC3C3BOL

B.Sc. III Semester Degree Examination, April/May - 2024

BOTANY

Plant Anatomy and Developmental Biology

(NEP)

Time : 2 Hours Maximum Marks : 60

Note : *(i) Answer **all** Sections.*

(ii) Draw diagrams wherever necessary.

SECTION - A

1. Answer the following sub-questions. Each sub-question carries **one** mark. **10x1=10**

(a) What is Plecome ?

(b) Define Dendrochronology.

(c) Define Halobial endosperms.

(d) What is bisporic type of embryo sac ?

(e) What is Conjunctive tissue ?

(f) Who proposed tunica carpus theory ?

(g) Define Nodal anatomy.

(h) B.G.L Swamy.

(i) Name the largest leaf and its size.

(j) What is pollen embryo sac ?

SECTION - B

Answer **any four** of the following questions, each question carries **five** marks.

2. Explain briefly about apical cell theory with neat labelled diagram. **4x5=20**

3. Describe in detailed about primary and secondary structure of tridax.

4. Explain in detailed about origin, structure and functions of SAM.

5. Highlight the details of K.C. Mehta in the field of Reproductive biology.

6. Explain the types of ovules with neat labelled diagram.

7. How the process takes place in microsporogenesis into the plants ?

P.T.O.

SECTION - C

Answer **any three** of the following questions, each question carries **ten** marks.

3x10=30

8. Explain in detailed about anamalous secondary growth in Dracaena with neat labelled diagram.

9. Explain in detailed about theories of Apical meristem with diagram.

10. Give an explanation of current aspects of fertilization and significance of double fertilization.

11. How do you elucidate about transition from vegetative apex into reproductive apex ?

12. Describe the T.S. of mature Anther and types of tapetum (diagram).

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No. of Printed Pages : **2**

21BSC3C3PHL

B.Sc. III Semester Degree Examination, April/May - 2024

PHYSICS

03 : Wave Motion and Optics

(NEP)

Time : 2 Hours Maximum Marks : 60

Note : *(i) Answer **all** the Sections.*

(ii) Non-programmed scientific calculators are allowed.

SECTION - A

1. Answer the following sub-questions, each sub-question carries **one** mark. **10x1=10**

(a) Write the relation between Phase velocity and Group velocity.
(b) What are Lissajous figures ?
(c) What is energy density ?
(d) Define absorption Co-efficient.
(e) Who proposed the wave particle duality ?
(f) What is thin film ?
(g) Write the expression for dispersive power of a grating.
(h) What is zone plate ?
(i) What is an optic axis ?
(j) Define stimulated emission.

SECTION - B

Answer **any four** of the following questions, each question carries **five** marks.**4x5=20**

2. Obtain an expression for velocity of a transverse wave along a stretched string.

3. Derive an expression for intensity of progressive wave.

4. Show that the diameter of dark rings in Newton's rings by reflected light experiment are directly proportional to the square root of natural numbers.

5. Define resolving power of a grating and obtain an expression for it.

6. Describe the method of producing plane polarised light by the wire grid polariser and the polaroid.

7. Write any five application of lasers.

P.T.O.

SECTION - C

Answer **any three** of the following questions, each question carries **ten** marks. **3x10=30**

8. (a) Derive Newton's formula for velocity of sound. Discuss Laplace correction for Newton's formula. **7+3**

(b) Write any three characteristics of wave motion.

9. (a) Explain the modes of vibration in open and closed pipes. **7+3**

(b) What will be the pitch of fundamental note emitted by a closed pipe 32.4 cm long. If the velocity of sound in air is 332 ms^{-1} ?

10. (a) Explain the formation of interference fringes by means of Fresnel's Biprism. **7+3**

(b) Explain Huygen's theory.

11. (a) Describe fraunhofer diffraction due to a double slit. **7+3**

(b) Write any three differences between zone plate and a convex lens.

12. (a) Explain the principle and working of Ruby Laser. **7+3**

(b) Define :

(i) Spontaneous emission

(ii) Population inversion

(iii) Active medium

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No. of Printed Pages : **2**

21BSC3L1LK3

B.Sc./BCA/B.Sc. (GMT) III Semester Degree Examination, April/May - 2024

ಕನ್ನಡ – ಭಾಷಾ ಪತ್ಯ

ವಿಜ್ಞಾನ ವಿಜಯ – 3

(NEP)

Time : 2 Hours | Maximum Marks : 60

ಸೂಚನೆ : *ಭಾಷೆ ಮತ್ತು ಬರಹದ ಶುದ್ಧಿಗೆ ಗಮನ ಕೊಡಲಾಗುವುದು.*

ವಿಭಾಗ – ಎ

1. ಈ ಕೆಳಗಿನ **ಎಲ್ಲಾ** ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿರಿ. **10x1=10**

(a) 'ಜಮಾ ಖರ್ಚು' ಕವಿತೆಯ ಕರ್ತೃ ಯಾರು ?

(b) 'ಇನಸುತ' ಎಂದು ಯಾರನ್ನು ಕರೆಯಲಾಗುತ್ತದೆ ?

(c) ಇಮಾಂಬೀಯ ಜೀವದ ಗೆಳತಿಯಾಗಿದ್ದವಳು ಯಾರು ?

(d) ಯಾರು ಕರ್ಣನಿಗೆ ಸಾರಥಿಯಾಗಲು ಒಪ್ಪಿದನು ?

(e) ಕಯ್ಯಾರ ಕಿಞ್ಞಣ್ಣ ರೈ ಅವರ ಯಾವ ಕೃತಿಗೆ ಮದ್ರಾಸ್ ಸರ್ಕಾರದ ಬಹುಮಾನ ದೊರೆತಿದೆ ?

(f) 'ರೈಲುಪ್ರವಾಸ' ಪ್ರಬಂಧವನ್ನು ಯಾವ ಕೃತಿಯಿಂದ ಆಯ್ದುಕೊಳ್ಳಲಾಗಿದೆ ?

(g) ವೈಚಾರಿಕತೆ ಎಂದರೇನು ?

(h) 'ಊರುಕೇರಿ' ಇದು ಯಾವ ಕವಿಯ ಆತ್ಮಚರಿತ್ರೆ ?

(i) ಕೆರೆಗೆ ಹಾರವಾದ ಮಲ್ಲನಗೌಡರ ಸೊಸೆಯ ಹೆಸರೇನು ?

(j) ಶಿವಶರಣ ಹರಳಯ್ಯನ ಕಾಯಕ ಯಾವುದು ?

ವಿಭಾಗ – ಬಿ

ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ **ಯಾವುದಾದರೂ ನಾಲ್ಕಕ್ಕೆ** ಉತ್ತರಿಸಿರಿ. **4x5=20**

2. 'ಸರಸ ವಿರಸಗಳ ಸಮರಸವೇ ದಾಂಪತ್ಯ' ಎಂಬುದನ್ನು ಗರತಿಯ ಹಾಡುಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಬರೆಯಿರಿ.

3. ಪಂಡಿತ ಸಿದ್ಧರಾಮ ಜಂಬಲದಿನ್ನಿ ಅವರ ಸಂಗೀತ ಸಾಧನೆಯನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ವಿವರಿಸಿ.

P.T.O.

4. ಹಲಗಲಿ ಬೇಡರು ಬ್ರಿಟಿಷ್ ಸರ್ಕಾರದ ವಿರುದ್ಧ ಮಾಡಿದ ಹೋರಾಟವನ್ನು ಕುರಿತು 'ಹಲಗಲಿಯ ಪದ' ಲಾವಣಿಯ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಬರೆಯಿರಿ.

5. 'ಪ್ರೇಮ ಸೌಧಾಗಾರ' ಕವಿತೆಯು ಭಾವೈಕ್ಯತೆಯ ಅಗತ್ಯವನ್ನು ಹೇಗೆ ಪ್ರತಿಪಾದಿಸಿದೆ ?

6. 'ಭೂಮಿ ತೂಕದ ನಡಿಗೆ' ಕವಿತೆಯ ಆಶಯವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.

7. ಕರ್ಣನ ಸಾರಥಿಯಾಗಲು ಶಲ್ಯನು ಒಪ್ಪಿದ ಸಂದರ್ಭವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.

ವಿಭಾಗ – ಸಿ

ಈ ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ **ಯಾವುದಾದರೂ ಮೂರಕ್ಕೆ** ಉತ್ತರಿಸಿರಿ. **3x10=30**

8. ಭಾರತಕ್ಕೆ ಸ್ವಾತಂತ್ರ್ಯ ಬಂದ ನಂತರದ ಸ್ಥಿತಿಯ ಬಗ್ಗೆ 'ಜಮಾ ಖರ್ಚು' ಕವಿತೆಯ ಮೂಲಕ ಹೇಗೆ ಚಿತ್ರಿಸಲಾಗಿದೆ ?

9. ಕೌದಿ ಇಮಾಂಬೀಯು ಬದುಕನ್ನು ಸಾರ್ಥಕಗೊಳಿಸಿಕೊಂಡ ಸಾಹಸದ ಕಥೆಯನ್ನು ವಿವರಿಸಿ.

10. ಅಮುಗೆ ರಾಯಮ್ಮನ ವಚನಗಳ ವೈಶಿಷ್ಟ್ಯತೆಯನ್ನು ಕುರಿತು ವಿವರಿಸಿ.

11. ತನ್ನ ಆತ್ಮೀಯರನ್ನು ಕಳೆದುಕೊಂಡಾಗ ದುರ್ಯೋಧನನಲ್ಲಿ ಉಂಟಾದ ದುಃಖದ ಪರಿತಾಪದ ತೀವ್ರತೆಯನ್ನು ಕವಿ ರನ್ನ ಹೇಗೆ ವರ್ಣಿಸಿದ್ದಾನೆ ?

12. ಶೋಷಿತರು ಸಿಡಿದೆದ್ದರೆ ಉಂಟಾಗುವ ಕ್ರಾಂತಿಯ ತೀವ್ರತೆಯನ್ನು 'ಕ್ರಾಂತಿಪದ' ಕವಿತೆಯು ಹೇಗೆ ಹಿಡಿದಿಟ್ಟಿದೆ ವಿವರಿಸಿ.

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