



**B.Sc.(G.M.T.)/B.C.A. IV Semester (CBCS) Degree Examination,
August/September - 2022**

ಬೇಸಿಕ್ ಕನ್ನಡ

ಗರತಿಯ ಹಾಡುಗಳು ಮತ್ತು ಯಶೋಧರ ಚರಿತೆ

101769

Time : 3 Hours

Maximum Marks : 70

ಸೂಚನೆ : ಭಾಷೆ ಹಾಗೂ ಬರಹದ ಶುದ್ಧಿಗೆ ಗಮನ ಕೊಡಲಾಗುವುದು.

1. (a) 'ಗರತಿಯ ಹಾಡುಗಳು' ಸಂಕಲನದ ಮೊದಲ ಮಾತುಗಳಲ್ಲಿ ಬಿ.ಎಂ. ಶ್ರೀ, ದ.ರಾ. ಬೇಂದ್ರೆ ಹಾಗೂ ಮಾಸ್ತಿ 10
ವೆಂಕಟೇಶ್ ಐಯ್ಯಂಗಾರ್ ಅವರ ಮಾತುಗಳನ್ನು ಸಂಗ್ರಹಿಸಿ ಬರೆಯಿರಿ.

ಅಥವಾ

- (b) ತವರು ಮನೆ ತಾಯ್ತಂದೆಯರ ಕುರಿತಾದ ಅಭಿಮಾನದ ಮಾತುಗಳನ್ನು ಗರತಿಯರು ತಮ್ಮ ತ್ರಿಪದಿಗಳಲ್ಲಿ ಹೇಗೆ
ವ್ಯಕ್ತಪಡಿಸಿದ್ದಾರೆ ?

2. (a) ಬಾಲ್ಯದಿಂದ ಮುಪ್ಪಿನವರೆಗೂ ಗೆಳತಿಯರ ನಡುವಿನ ಬಾಂಧವ್ಯವು ತ್ರಿಪದಿಗಳಲ್ಲಿ ಯಾವ ಬಗೆಯಲ್ಲಿ 10
ರೂಪಿತಗೊಂಡಿದೆ ? ತ್ರಿಪದಿಗಳ ಉಲ್ಲೇಖದೊಂದಿಗೆ ಬರೆಯಿರಿ.

ಅಥವಾ

- (b) ಗರತಿಯ ಹಾಡುಗಳಲ್ಲಿ ಹೆಣ್ಣು ಮಕ್ಕಳ ಭಾಷಾ-ಕೌಶಲ್ಯ, ಅಲಂಕಾರಗಳ ಬಳಕೆ ಪ್ರಾದೇಶಿಕ ಸಂಗತಿಗಳ
ಒಳಗೊಳ್ಳುವಿಕೆಯಲ್ಲಿ ಕನ್ನಡತನ ಹೇಗೆ ಪ್ರಕಟಗೊಂಡಿದೆ ?

3. (a) 'ಜೀವದಯಾಷ್ಟಮಿ'ಯ ವೃತ್ತಾಚರಣೆಯ ಸಂದರ್ಭದಲ್ಲಿ ಶ್ರಾವಕವರ್ಗದವರಿಗೆ ಕೇಳಲು ಜನ್ಮ ರಚಿಸಿದ ಯಶೋಧರ 10
ಚರಿತೆ ಕಾವ್ಯದ ಮಹತ್ವವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.

ಅಥವಾ

- (b) ಹಿಂಸಾ ರಭಸ ಮತಿಯಾದ ಮಾರಿದತ್ತನಿಗೆ ಅಭಯರುಚಿ ಮತ್ತು ಅಭಯಮತಿಯರು ಹೇಳಿದ ಕಥೆ
ಯಾವುದು ?

4. (a) 'ಒಲವಾದೊಡೆ ರೂಪಿನ ಕೋಟಲೆಯೇಮದೊ' - ಅಮೃತಮನೆಯ ಈ ಮಾತಿನ ಹಿನ್ನೆಲೆಯನ್ನು ಕುರಿತು 10
ಚರ್ಚಿಸಿ.

ಅಥವಾ

- (b) 'ಸಂಕಲ್ಪ ಹಿಂಸೆಯ' ಫಲವಾಗಿ ಯಶೋಧರ ಮತ್ತು ಆತನ ತಾಯಿ 'ಚಂದ್ರಮತಿ ಅನುಭವಿಸಿದ ಜನ್ಮಾಂತರಗಳ
ಸ್ವರೂಪವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.



P.T.O.

5. ಈ ಪ್ರಶ್ನೆಗಳಿಗೆ ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ.

(a) ಹಳ್ಳಿಗರ ಹಾಸ್ಯಪ್ರಜ್ಞೆಯು ಗರತಿಯರ ತ್ರಿಪದಿಗಳಲ್ಲಿ ಹೇಗೆ ಮೂಡಿ ಬಂದಿದೆ.

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ಅಥವಾ

(b) ದಾಂಪತ್ಯದ ಅನುಬಂಧವು ಗರತಿಯರ ತ್ರಿಪದಿಗಳಲ್ಲಿ ಯಾವ ಬಗೆಯಲ್ಲಿ ರೂಪಿತಗೊಂಡಿದೆ.

6. (a) ಯಶೋಧರ ಮತ್ತು ಅಷ್ಟಾವಂಕರ ವ್ಯಕ್ತಿತ್ವಗಳ ಹೋಲಿಕೆ ಮಾಡಿರಿ.

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(b) ಹೊಯ್ಸಳ ವಂಶದ ಚರಿತ್ರೆಯನ್ನು ಜನ್ಮ ಹೇಗೆ ದಾಖಲಿಸಿದ್ದಾನೆ ?

7. ಬೇಕಾದ ನಾಲ್ಕಕ್ಕೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

4x5=20

(a) ಹಲಸಂಗಿ ಗೆಳೆಯರು

(b) ತ್ರಿಪದಿ

(c) 'ಗರತಿಯ ಹಾಡುಗಳು' ಕೃತಿಯ ಮಹತ್ವ

(d) ಗರತಿಯ ಹಾಡಿನಲ್ಲಿನ ಗೆಳತಿಯ ವರ್ಣನೆ

(e) ಜನ್ಮ

(f) ಧೂತಿ

(g) ಚಂಡಮಾರಿ ದೇವತೆ

(h) ಹಿಟ್ಟಿನ ಕೋಳಿ

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**B.Sc/BCA/BFT/GMT2 IV Semester Degree Examination,
August/September - 2022**

ENGLISH - IV

Basic English

102246

(NEW CBCS 2017-18)

Time : 3 Hours

Maximum Marks : 70

- I. Annotate **any two** of the following. 2x6=12
- (a) Now is no time to Think of what you do not have.
Think of what you can do with What these is.
 - (b) Let him think that I am
more man than, I am
and I will be so.
 - (c) All my life the early
sun has hurt my eyes.
yet they are still good.
- II. Write short notes on **any two**. 2x6=12
- (a) Santiago's view of his own Sinfealness.
 - (b) Relationship between Santiago and Manolin.
 - (c) Santiago's encounter with the sharks.
- III. Answer **any one** of the following. 1x10=10
- (a) 'Santiago is a tragic hero' Elaborate.
 - (b) Discuss the 'Sea' as a living entity in the novel. 'The Old Man and the Sea'.
- IV. Answer **any six** of the following. 6x6=36
- (a) Importance of Dress code in Job interview.
 - (b) Explain the meaning, need and types of Eliquettes.
 - (c) Mention the criterias for Evaluating presentations.
 - (d) Mention the qualities of good presentation.
 - (e) Inoffensive language is a sure way to build good will and reputation. Elucidate.
 - (f) Explain the unconscious gender bias in the workplace.
 - (g) Benefits of Dress code in colleges.
 - (h) Mention the styles of Effective presentation.

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**B.Sc./BCA. IV Semester (CBCS) Degree Examination,
August/September - 2022**

**HINDI BASIC - IV
Study of Indian Language**

100186

Time : 3 Hours

Maximum Marks : 70

Note : (1) लिखावट शुद्ध और देवनागरी लिपि में हो।
(2) पाठ्यपुस्तकें : (i) संशय की एक रात, (ii) जनसंचार माध्यम हिन्दी

- I. किन्हीं दो अवतरणों की सप्रसंग व्याख्या कीजिए।** **2x10=20**
1. यह मेरे मित्र जटायु की आत्मा है।
तुम्हारी अग्निदाह से।
हम दोनों तुष्ट हैं।
तुम्हारा कल्याण हो।
 2. मैंने वचन देकर मृत्यु क्रम की थी इसलिए
तुम्हारा परिताप-पाश्चाताप समुचित नहीं। राम
 3. जब से किया है रामेश्वर निवासी
देखता हूँ प्रिय हुआ है आपको एकांतवास।
- II. किन्हीं दो प्रश्नों के लिए समीक्षात्मक उत्तर लिखिए।** **2x10=20**
1. संशय की एक रात खंडकाव्य का उद्देश्य स्पष्ट कीजिए।
 2. संशय की एक रात खंडकाव्य में राम का चरित्र चित्रण कैसा व्यक्त हुआ है ? स्पष्ट कीजिए।
 3. संशय की एक रात में दशरथ और जटायु राम को क्या संदेश देते हैं? स्पष्ट कीजिए।
- III. किन्हीं दो प्रश्नों के उत्तर लिखिए।** **2x10=20**
1. जनसंचार माध्यम की परिभाषा लिखते हुये उसके विशेषताओं पर प्रकाश डालिए।
 2. जनसंचार माध्यम में 'इंटरनेट' का महत्व क्या है? स्पष्ट कीजिए।
 3. 'रेडियो जनसंचार माध्यम का प्रमुख साधन है'। इस कथन की पुष्टि कीजिए।
- IV. किन्हीं दो पर टिप्पणी लिखिए।** **2x5=10**
1. लक्ष्मण
 2. हनुमान
 3. सुग्रीव
 4. दूरदर्शन

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**B.Sc. IV Semester (CBCS) Degree Examination,
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PHYSICS - IV

Physical, Optics, Fibre Optics and Special Theory of Relativity

Time : 3 Hours

Maximum Marks : 70

Instructions : Answer all Sections.

SECTION - A

Answer all questions, each question carry one mark.

15×1=15

1. What are coherent sources ?
2. Why does soap bubble show beautiful colours when illuminated by white light ?
3. Name the source of light used to study Michelson's Interferometer.
4. What is Fresnel Diffraction ?
5. How is the width of Central Maxima related to the width of the slit ?
6. What is Transmission grating ?
7. What is positive crystal ?
8. Mention one example for optically active solution.
9. What happens to the intensity of light when it is polarised ?
10. What are cardinal points ?
11. What is spherical Aberration ?
12. What is optical fibre ?
13. What is Fitzgerald contraction ?
14. What is Minkowski's space ?
15. Define Angle of Acceptance.



P.T.O.

SECTION - B

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

5x5=25

16. With neat diagram explain Young's Double Slit Experiment. 5
17. Compare zone plate and convergent lens. 5
18. Write a note on Double Refraction in uniaxial crystal. 5
19. Distinguish between Huygen's and Ramsden's Eye pieces. 5
20. Mention the applications of optical fibres. 5
21. Using Lorentz Transformation Equations derive expression for Length contraction. 5
22. Describe Fresnel's Theory of polarisation. 05

SECTION - C

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

3x10=30

23. (a) Give the Necessary Theory to find wavelength of monochromatic light using Biprism. (7+3)
- (b) In a Young's Double Slit Experiment the distance between the slits and screen is 0.99 m. If the distance between the slits is 5 mm, the fringe width is found to be 0.1mm. Find the wavelength of light used.
24. (a) Write a note on Quarter wave plate and Half wave plate. (5+5)
- (b) With neat diagram explain construction and working of Laurent's Half shade polarimeter.
25. Derive expression for intensity of single slit Fraunhofer Diffraction. 10
26. Explain Michelson-Morley Experiment and Discuss Its Negative Results. 10
27. (a) Derive Einstein's mass-energy relation. (7+3)
- (b) Find the rest mass energy of an electron in Joule and in ev.

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B.Sc. IV Semester Degree Examination, August/September - 2022

5.1 : CHEMISTRY - IV

(CBCS - NEW)

Time : 3 Hours

Maximum Marks : 70

- Instructions :** (1) *Section-A* contains questions from Inorganic, Organic and Physical Chemistry.
(2) *Section-B* contains questions from Inorganic Chemistry *Section-C* contains questions from Organic Chemistry *Section-D* contains questions from Physical Chemistry.
(3) Answer **all** the **four** sections **A, B, C and D**.

SECTION - A

Answer any ten of the following :

10×1=10

1. What is EAN rule ? 1
2. How many chloride ions will be precipitated in $\text{CoCl}_3 \cdot 5\text{NH}_3$. 1
3. Give the example for low spin complexes. 1
4. Give an example for disproportionation. 1
5. What is alternative name for epoxide ? 1
6. Complete the reaction $\text{CH}_3 - \text{CO} - \text{CH}_3 + \text{NH}_2\text{OH} \rightarrow ?$ 1
7. What are amines ? Give an example. 1
8. Give reason why dimethyl amine is more _____ basic than methyl amine. 1
9. What is critical solution temperature ? 1
10. Define the term Phase. 1
11. Define molal elevation in boiling point constant. 1
12. What is Van't Hoff's factor ? 1



P.T.O.

SECTION - BAnswer **any two** of the following :**2x10=20**

13. (a) Write a note on nomenclature of coordination compounds. 6
(b) Explain the crystal field splitting in octahedral complexes. 4
14. (a) Draw all geometrical isomers of the type $M(AA)_2b_2$, $M(AB)_3$ and Ma_3b_3 with an example each. 6
(b) Write a note on Ellingham diagram. 4
15. (a) Give the postulates of valence bond theory and mention two limitations. 6
(b) Draw the Pourbaix diagram for iron species in neutral water and explain briefly. 4

SECTION - CAnswer **any two** of the following :**2x10=20**

16. (a) Give the mechanism of Cannizzaro's reaction. 6
(b) Give the preparation of an acetaldehyde by dehydrogenation of alcohols and Ketone by hydration of alkynes. 4
17. (a) With reaction, explain the distinguish test between primary, secondary and aliphatic and aromatic amines with nitrous acid. 6
(b) Give the preparation of amines by alkyl halides and alcohols. 4
18. (a) Explain the reduction of nitrobenzene in acidic and neutral medium. 6
(b) Give the synthesis of epoxide. 4

SECTION - DAnswer **any two** of the following :**2x10=20**

19. (a) Discuss the boiling point composition diagram for solution showing type-1 from Raoult's law. 6
(b) Explain the principle of fractional distillation. 4
20. (a) Describe the distillation of low boiling azeotropic binary solutions with the help of vapour pressure composition and boiling point composition diagrams. 6
(b) State Gibbs's phase rule and explain the terms. 4
21. (a) Derive the relationship between depression in freezing point and molecular mass of the solute. 6
(b) Write a note on freezing mixtures. 4

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**B.Sc. IV Semester (CBCS) Degree Examination,
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MATHEMATICS - VII

101221

Real Analysis and Complex Analysis

Time : 3 Hours

Maximum Marks : 60

Instruction : Answer *all* Sections.

SECTION - A

Answer **any ten** questions.

10×2=20

1. Define upper and lower Riemann sums.
2. Compute $L(P, f)$ and $U(P, f)$ of $f(x) = x^2$ for $x \in [0, 3]$ and $P = \{0, 1, 2, 3\}$ be the partition of $[0, 3]$.
3. Define norm and refinement of a partition.
4. Show that $\int_a^b \cos x \cdot dx = \sin b - \sin a$ by using fundamental theorem of calculus.
5. Prove that lower Riemann integral cannot exceed upper Riemann integral.
6. Define Conformal transformation.
7. Show that $ay \left(\frac{\bar{z}}{z} \right) = \frac{\pi}{2}$ represents a line through the origin.
8. Show that $u = x^3 - 3xy^2 + 3x^2 - 3y^2 + 1$ is harmonic.
9. Evaluate $\int_c (\bar{z})^2 \cdot dz$ around the circle $|z| = 1$.
10. Evaluate $\lim_{z \rightarrow e^{i\frac{\pi}{4}}} \left(\frac{z^2}{z^4 + z^2 + 1} \right)$.
11. If $f(z)$ is differentiable at $z = z_0$, then show that $f(z)$ is continuous at $z = z_0$.
12. Evaluate $\int_0^{3+i} z^2 \cdot dz$ along the line $3y = x$.



P.T.O.

SECTION - B

Answer **any two** questions.

2x5=10

13. If $f \in R[a, b]$ and m, M are respectively the infimum and supremum of $f(x)$ on $[a, b]$ then $m(b-a) \leq \int_a^b f(x).dx \leq M(b-a)$.

14. If $f(x)$ is a bounded function on $[a, b]$, then prove that $\int_a^b f(x).dx \leq \int_a^{\bar{b}} f(x).dx$.

15. State and prove Fundamental theorem of integral Calculus.

SECTION - C

Answer **any three** questions.

3x5=15

16. State and prove necessary condition for $f(z)$ to be analytic.
17. Show that $u = \cos x \cdot \cosh y$ is harmonic find the analytic function, whose real part is $u(x, y)$ by Milne Thomson's method.
18. Show that $f(z) = \cosh z$ is analytic and $f'(z) = \sinh z$.
19. Find the analytic function whose real part is $\left(r + \frac{1}{r}\right) \cos \theta$.

SECTION - D

Answer **any three** questions.

3x5=15

20. Evaluate $\int_C \frac{z}{(z^2+1)(z^2-9)} dz$ where c is the circle $|z| = 2$
21. State and prove Cauchy's Integral theorem.
22. State and prove Cauchy's Inequality.
23. Find a bilinear transformation which maps $0, -i, -1$ into $i, 1, 0$.

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**B.Sc. IV Semester (CBCS) Degree Examination,
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101225

MATHEMATICS - VIII

4.2 (New) : Special Functions and PDE - II (New)

Time : 3 Hours

Maximum Marks : 60

Note : Answer *all* sections.

SECTION - A

Answer **any ten** questions :

10×2=20

1. Define
 - (i) Legendre's Equation.
 - (ii) Legendre Polynomials of order n .
2. Show that $P_n(-x) = (-1)^n P_n(x)$.
3. Show that :

$$J_{n+1}(x) = \frac{2n}{x} J_n(x) - J_{n-1}(x)$$

$$4. \text{ Show that } \int_a^b J_0(x) \cdot J_1(x) dx = \frac{1}{2} [J_0^2(a) - J_0^2(b)]$$

$$5. \text{ Prove that } H_n''(x) = 4n(n-1)H_{n-2}(x)$$

$$6. \text{ Prove that } H_{2n}(0) = (-1)^n \frac{(2n)!}{n!}$$

$$7. \text{ Prove that } L_2(x) = \frac{1}{2!} (2 - 4x + x^2)$$

$$8. \text{ Show that } L_n(0) = n!$$

$$9. \text{ Form the Partial differential equation from } 2z = \frac{x^2}{a^2} + \frac{y^2}{b^2}$$



P.T.O.

10. Solve : $p = e^q$
11. Solve : $z = px + qy + (p^2 + q^2)$.
12. solve : $p^2 - q^2 = x - y$

SECTION - B

Answer **any five** questions :

5x5=25

13. Show that all the roots of $P_n(x) = 0$ are real and lie between -1 and 1 .
14. State and Prove orthogonal property of Bessel function.
15. Prove that $2xH_n(x) = 2nH_{n-1}(x) + H_{n+1}(x)$
16. Prove that $xL'_n(x) = nL_n(x) - nL_{n-1}(x)$
17. Solve : $x^2p^2 + y^2q^2 = z^2$
18. Solve : $4(1+z^3) = 9z^4pq$
19. Solve : $p(1+q^2) = q(z-a)$

SECTION - C

Answer **any three** questions :

3x5=15

20. Deduce from Rodrigue's formula $\int_{-1}^1 f(x)p_n(x)dx = \frac{(-1)^n}{2^n n!} \int_{-1}^1 (x^2-1)^n f^{(n)}(x)dx$
21. Evaluate $\int_{-\infty}^{\infty} xe^{-x^2} H_n(x) \cdot H_m(x) dx$
22. Reduce the differential equation $x \frac{d^2y}{dx^2} + a \frac{dy}{dx} + K^2xy = 0$ to Bessel's equation and find the solution.
23. Find the complete integral of $px + qy = pq$ by Charpit's method.
24. Solve the Partial differential equation $z(x+y)p + z(x-y)q = x^2 + y^2$.

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**B.Sc. IV Semester (CBCS) Degree Examination,
August/September - 2022**

BOTANY - IV

Ecology and Environmental Biology

Time : 3 Hours

Maximum Marks : 70

Note : Answer all the questions.

Draw diagrams wherever necessary.

SECTION - A

I. Answer all the following :

15x1=15

1. What are lenticels ?
2. What is phytogeography ?
3. Write the significance of saprophytes in ecosystem.
4. Define Pedogenesis.
5. What is humus ?
6. Give an example of free floating hydrophytes.
7. What are Ephemerals ?
8. Define in-situ conservation.
9. What is viviparous condition ?
10. What is estuarine ecology ?
11. What is psychrometer ?
12. What is erosion of soil ?
13. Define the term Deforestation.
14. Define food chain.
15. Write any two endangered plants of India.



P.T.O.

SECTION - B

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

5x5=25

16. What are decomposers ? Give a detailed picture in ecosystem.
17. What is sedimentary cycle ? Explain the phosphorus cycle.
18. Describe the energy flow model in ecosystem with neat labelled diagram.
19. Explain the renewable resources of energy.
20. Explain the Morphological and Anatomical adaptations of Epiphytes.
21. What are Ecological pyramids ? Describe the pyramid of Number with neat labelled diagrams.
22. Explain the Biological Hot spots of Indian Biodiversity.

SECTION - C

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

3x10=30

23. Explain the Biotic factor in detail.
24. Explain Xerosere with different stages of succession.
25. Explain the different phytogeographical regions of India.
26. What is soil profile ? Explain different horizones with neat labelled diagrams.
27. Explain the different stages of Nitrogen cycle and give its importance in plant growth.

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**B.Sc. IV Semester (CBCS) Degree Examination,
August/September - 2022**

ZOOLOGY

100643

Z-4 : Animal Physiology and Biochemistry

Time : 3 Hours

Maximum Marks : 70

- Instructions :** (i) Answer **all** Sections.
(ii) Draw labelled diagrams wherever necessary.

SECTION - A

Answer **any five** of the following.

5x2=10

1. What is Dentition ? Write the Dental formula of Man.
2. Where do you find Bicuspid and Tricuspid valves ?
3. What are Cranial Meninges ? Expand CSF.
4. Define Biomolecules. Give any two examples.
5. Mention the factors affecting enzyme activity.
6. What is the chemical name of Vitamin-A and Vitamin-D ?

SECTION - B

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

4x5=20

7. Explain the process of Protein Digestion in Human beings.
8. Distinguish between Myogenic and Neurogenic Heart.
9. Explain the classification of animals based on their Nitrogenous waste.
10. Sketch and label Multipolar Neuron.
11. Enumerate Gonadal Hormones and their functions.



P.T.O.

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

2x5=10

12. What are Carbohydrates ? Mention their significance in Human body.
13. What are Enzymes ? Explain mechanism of Enzyme action (Lock & Key).
14. Describe the role of Vitamin-A in Human beings.

SECTION - C

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

2x10=20

15. Explain Mechanism of Origin and conduction of Heart beat with a neat labelled diagram.
16. Describe the steps involved in the process of urine formation.
17. Enumerate the hormones secreted by Adenohypophysis of Pituitary gland and their functions.

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

1x10=10

18. Write a note on the sources, functions and deficiency diseases of water soluble vitamins.
19. Give the detailed account of the steps involved in Krebs Cycle.

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**B.A./B.Com./B.Sc. IV Semester (CBCS) Degree Examination,
August/September - 2022**

MASS COMMUNICATION AND JOURNALISM 100913

BAJMO 4.2 : Communication Skills (OEC)

Time : 3 Hours

Maximum Marks : 70

- Instructions :** (i) Part - A **any ten** questions.
(ii) Part - B **any two** questions.
(iii) Part - C **any two** questions.

PART - A / ಭಾಗ - ಎ

Answer **any ten** of the following.

10x2=20

ಯಾವುದಾದರೂ ಹತ್ತಕ್ಕೆ ಮಾತ್ರ ಉತ್ತರಿಸಿರಿ.

1. Web writing
ವೆಬ್ ಬರಹ
2. Team work
ತಂಡದ ಕಾರ್ಯ
3. Quality writing
ಗುಣಮಟ್ಟ ಬರಹ
4. Outlook
ಔಟ್‌ಲೂಕ್
5. Community
ಸಮುದಾಯ
6. Blogs
ಬ್ಲಾಗ್ಸ್
7. App
ಆಪ್
8. Good Communication
ಉತ್ತಮ ಸಂವಹನ
9. Voot
ವೂಟ್
10. Netflix
ನೆಟ್‌ಫ್ಲಿಕ್ಸ್
11. Website
ವೆಬ್‌ಸೈಟ್
12. De-coding
ಪುರುಪ್ರತಿರೋಧ



P.T.O.

PART - B / ಭಾಗ - ಬಿ

Answer **any two** of the following.

2x10=20

ಯಾವುದಾದರೂ ಎರಡಕ್ಕೆ ಮಾತ್ರ ಉತ್ತರಿಸಿ.

13. Explain the Barriers of Communication.

ಸಂವಹನದ ಅಡೆತಡೆಗಳನ್ನು ವಿವರಿಸಿ.

14. Discuss the new media communication tools.

ನವ್ಯ ಮಾಧ್ಯಮ ಸಂವಹನ ಸಲಕರಣೆಗಳನ್ನು ಚರ್ಚಿಸಿ.

15. Explain the Functions of Communication.

ಸಂವಹನದ ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

16. Explain the SMCR Communication model.

ಎಸ್‌ಎಂಸಿಆರ್ ಸಂವಹನ ಮಾದರಿಯನ್ನು ವಿವರಿಸಿ.

PART - C / ಭಾಗ - ಸಿ

Answer **any two** of the following.

2x15=30

ಯಾವುದಾದರೂ ಎರಡಕ್ಕೆ ಮಾತ್ರ ಉತ್ತರಿಸಿ.

17. Explain the interview techniques and write preparation of Interview face.

ಸಂದರ್ಶನದ ತಂತ್ರಗಳನ್ನು ವಿವರಿಸಿ ಹಾಗೂ ಸಂದರ್ಶನವನ್ನು ಎದುರಿಸಲು ಬೇಕಾದ ಪೂರ್ವಸಿದ್ಧತೆ ಕುರಿತು ಬರೆಯಿರಿ.

18. Discuss the leadership qualities.

ನಾಯಕತ್ವ ಗುಣಗಳನ್ನು ಚರ್ಚಿಸಿ.

19. Prepare your CV and letters to your friend a business purpose.

ನಿಮ್ಮ 'ಸಿ.ವಿ.' ಯನ್ನು ಸಿದ್ಧಪಡಿಸಿ ಹಾಗೂ ಉದ್ಯಮಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ನಿಮ್ಮ ಸ್ನೇಹಿತನಿಗೆ ಪತ್ರವನ್ನು ಬರೆಯಿರಿ.

20. Explain the importance of corporate communication in marketing.

ಮಾರ್ಕೆಟಿಂಗ್‌ನ ಕಾರ್ಪೊರೇಟ್ ಸಂವಹನದ ಮಹತ್ವವನ್ನು ವಿವರಿಸಿ.

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BCA/BBA/B.Com./B.Sc. IV Semester (CBCS) Degree Examination,
August/September - 2022

COMPUTER SCIENCE
4.6 : Computer Applications

Time : 3 Hours

Maximum Marks : 70

SECTION - A

Answer **any 10** from the following.

10x2=20

1. What is Flowchart ?
2. Who is the developer of C language ?
3. What is variable ?
4. Write any two relational operators.
5. Evaluate $x = 4 * (2 + 3) - (8 - 4 / 2)$.
6. Write the symbols of increment & decrement operators.
7. Write the syntax of scanf() function.
8. Convert 65 to binary.
9. Name any two number system.
10. Find 1's complement of 1110111.
11. Expand WWW.
12. What is Internet ?

P.T.O.

SECTION - B

Answer **any 4** from the following.

4x5=20

13. Write the characteristics of C language.
14. What is constant ? Write it's types.
15. What are arithmetic operators available in C.
16. Write a C program to find simple interest.
17. Write about AND gate with truth table.
18. Write a note on E-mail.

SECTION - C

Answer **any 3** from the following.

3x10=30

19. Explain the basic structure of C program with suitable example.
20. Explain any three types of operators with suitable example.
21. Write a C program to find sum and average of given three numbers.
22. Subtract the following :
 - (a) 1101-1010 using 1's complement method.
 - (b) Convert decimal 156.625 to binary.
23. What is Network ? Explain any two types of networks.

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