

Code No. 20CC20

DISTRICT LEVEL I PUC ANNUAL EXAMINATION, FEB-2020

Time: 3 Hrs. 15 Mins.

Sub: PHYSICS (33)

Max. Marks: 70

General Instructions:

1. All parts are compulsory.
2. Draw relevant diagram / figure wherever necessary.
3. Numerical problems should be solved with relevant formulae.

Part – A

I. **Answer ALL the following questions:**

10 × 1 = 10

1. What is basis?
2. What is unit vector?
3. When does the work done by a force negative?
4. Define radius of gyration.
5. Name the natural satellite of the earth.
6. Define stress.
7. What is streamline flow?
8. Give the principle of calorimetry.
9. How does the average kinetic energy of a gas molecule vary with absolute temperature?
10. Give the physical significance of zeroth law of thermodynamics.

Part – B

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

5 × 2 = 10

11. Mention any two fundamental forces in nature.
12. Write the two applications of dimensional analysis.
13. Distinguish between path length and displacement.
14. Write the expression for range of the projectile. State the condition for maximum range of a projectile.
15. Define terms: (a) Impulsive force and (2) Impulse of a force.
16. State and explain Newton's law of gravitation.
17. Where is the potential energy of a body maximum and minimum?
18. What is Doppler effect? Mention any one application of Doppler effect.

Part – C

III. **Answer any FIVE of the following questions:**

5 × 3 = 15

19. Derive an expression for centripetal acceleration.
20. Mention any three methods of reducing friction.
21. Obtain an expression potential energy of a spring.
22. Mention three types of moduli of elasticity.
23. State Pascal's law. Mention two applications of Pascal's law.
24. State that $\alpha_p = \frac{1}{T}$ for an ideal gas.

25. Write the three assumptions of kinetic theory of gases.
26. Give the Newton's formula for the speed of sound in a gas. Explain Laplace's correction to Newton's formula.

Part - D

IV. Answer any TWO of the following questions:

2 × 5 = 10

27. Obtain the equation for trajectory of a projectile.
28. State and prove work – energy theorem for a constant force.
29. Define torque. Derive the relation between torque and angular momentum.

V. Answer any TWO of the following questions:

2 × 5 = 10

30. Obtain an expression for acceleration due to gravity at a height 'h' from the surface of the earth.
31. What is heat engine? Explain its working principle. Define efficiency of heat engine.
32. Derive an expression for time period of oscillations of a simple pendulum.

VI. Answer any THREE of the following questions:

3 × 5 = 15

33. A car moving along a straight highway with a speed of 126 kmph is brought to rest within a distance of 200m. Calculate the retardation of the car. (assumed to be uniform). How long does it take for the car to stop?
34. a cricket ball moving horizontally with a velocity of 12 ms^{-1} is brought to rest by a player in 0.1s. If the cricket ball weighs 0.15kg, calculate impulse of a force and the average force applied.
35. A rope of negligible mass is wound round a hollow cylinder of mass 3kg and radius 0.4m. What is the angular acceleration of the cylinder if the rope is pulled with a force of 30N? What is the linear acceleration of the rope? Assume that there is no slipping.
36. A metal cylinder 0.628m long and 0.04m id diameter has one end in boiling water at 100°C and the other end in melting ice. The coefficient of thermal conductivity of the metal is $378 \text{ W m}^{-1} \text{ K}^{-1}$. Latent heat of ice is $3.36 \times 10^5 \text{ J Kg}^{-1}$. Find the mass of the ice that melts in one hour.
37. A stone dropped from the top of a tower of height 300m splashes into water of a pond near the base of the tower. When is the splash heard at the top? Given that the speed of sound in air is 340 ms^{-1} [$g = 9.8 \text{ ms}^{-2}$]

<https://www.karnatakaboard.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से

<https://www.karnatakaboard.com>

DISTRICT LEVEL I PUC ANNUAL EXAMINATION, FEB-2020**Time: 3 Hrs. 15 Mins.****Sub: CHEMISTRY (34)****Max. Marks: 70****Instructions:**

1. The question paper has four parts: A, B, C and D. All parts are compulsory.
2. Write balanced chemical equations and draw labelled diagrams wherever required.
3. Use log tables and simple calculator if necessary. (use of scientific calculators is not allowed)

Part - A**I. Answer ALL the following questions in one word or in one sentence****10 × 1 = 10**

1. Write the multiple for the prefix mega. —
2. At constant volume "Pressure of a fixed amount of a gas varies directly with the temperature". Which law is this? —
3. Write the equilibrium constant expression for the reaction $Ni_{(s)} + 4CO_{(g)} \rightleftharpoons Ni(CO)_{4(g)}$.
4. State Mendeleev periodic law. —
5. What is the oxidation state of 'P' in $H_2P_2O_7$? —
6. Name the radioactive alkali metal.
7. Which compound is known as inorganic benzene?
8. Mention any one allotropic form of carbon which is sp^2 hybridised.
9. Expand the condensed formula into complete structural formula for $CH_3CH_2COCH_2CH_3$.
10. Draw the staggered conformation of ethane by Newman's projection formula.

Part - B**II. Answer any FIVE of the following questions (Each question carries two marks)****5 × 2 = 10**

11. (a) How many significant figures are present in 6007? —
(b) State Avogadro's law.
12. Derive an ideal gas equation. —
13. Mention two conditions for the formation of ionic bond.
14. Give equation for the reactions that occurs when (i) Sodium metal is dropped into water (ii) CO_2 gas is passed into sodium carbonate solution.
15. What is the action of water on borax? Write chemical equation.
16. Explain Wurtz reaction with example.
17. How do you convert ethyne to benzene? Write the equation.
18. What is green house effect? Give example for green house gases.

Part - C**III. Answer any FIVE of the following questions (Each question carries three marks)****5 × 3 = 15**

19. (a) Give one example for isoelectronic species. [1M]
(b) Define electron gain enthalpy. How does it vary along the period of the periodic table? [2M]
20. Write any three postulates of "VSEPR" theory [3M]
21. Explain sp^3 hybridisation in CH_4 molecule. [3M]
22. (a) For carbon molecule (i) Write electronic configuration (ii) Calculate its bond order. [3M]
23. Suggest a scheme of classification for the following redox reaction
(i) $N_{2(g)} + O_{2(g)} \rightarrow 2NO_{(g)}$ (ii) $2KClO_{3(s)} \xrightarrow{\Delta} 2KCl_{(s)} + 3O_{2(g)}$ [3M]
(iii) $Cl_{2(g)} + 2OH^-_{(aq)} \rightarrow ClO^-_{(aq)} + Cl^-_{(aq)} + H_2O_{(l)}$
24. (a) Explain the process of softening of temporary hardness of water by Clark's method. [2M]
(b) What is coal gasification? [1M]

25. (a) How is calcium hydroxide prepared? [2M]
 (b) Give any one biological importance of magnesium. [1M]
26. (a) Explain the structure of graphite. [2M]
 (b) What is dry ice? [1M]

Part - D

IV. Answer any FIVE of the following questions (Each question carries Five marks) 5 × 5 = 25

27. (a) Define molality. [1M]
 (b) An unknown compound was found to contain 34.24% Sodium, 18% Carbon and 47.76% Oxygen. The molar mass of the compound is 134 g/mol. Find out its empirical formula and molecular formula. (Given atomic mass of Na = 23) [4M]
28. (a) Explain Rutherford model of an atom. [3M]
 (b) Calculate the mass of a photon with wavelength 2.5 \AA . [2M]
29. (a) Give the significance of any three quantum numbers. [3M]
 (b) How many number of nodes are there for 3S – orbital? [1M]
 (c) State Aufbau principle. [1M]
30. (a) Mention any three postulates of kinetic theory of gases. [3M]
 (b) What is the critical temperature of CO_2 ? [1M]
 (c) Viscosity of liquid decreases with increase of temperature why? [1M]
31. (a) Explain intensive property with an example. [2M]
 (b) Calculate the standard enthalpy of combustion of methane. Given that standard enthalpy of combustion of carbon, hydrogen are -393.5 KJ , -285.83 KJ respectively. Standard enthalpy of formation of methane is -75.16 KJ . [3M]
32. (a) What is lattice enthalpy? [1M]
 (b) What happens to entropy when (i) Temperature of a crystalline solid is raised from 0K to 115K. (ii) $\text{H}_{2(g)} \rightarrow 2\text{H}_{(g)}$ [2M]
 (c) Write Gibbs equation. Using ' ΔG ' value, how do you decide whether a reaction at a given temperature is spontaneous or non spontaneous? [2M]
33. (a) Explain homogeneous equilibria with an example. [2M]
 (b) The value of K_c for the reaction $2A \rightleftharpoons B + C$ is 2×10^{-3} . At a given time, the composition of reaction mixture is $[A] = [B] = [C] = 3 \times 10^{-4} \text{ m}$. In which direction the reaction will proceed? [3M]
34. (a) Explain the effect of change in temperature on equilibrium according to "Lechatelier's principle". <https://www.karnatakaboard.com> [2M]
 (b) What is common ion effect? Give an example. [2M]
 (c) Define acid according to Lewis theory. [1M]

V. Answer any TWO of the following questions (Each question carries five marks) 2 × 5 = 10

35. (a) What is position isomerism? Give one example. [2M]
 (b) Give any two differences between inductive effect and electromeric effect. [2M]
 (c) Give the IUPAC name for the following: $\text{Cl}_2\text{CHCH}_2\text{OH}$ [1M]
36. (a) Describe the estimation of halogen by Carius method. [3M]
 (b) From which method of purification of organic compound, aniline and water mixture is separated? [1M]
 (c) What is the observation made in sodium nitroprusside test for the detection of sulphur in organic compound? [1M]
37. (a) Explain the mechanism of nitration of benzene. [3M]
 (b) Give a reaction to show the presence of three double bond in benzene. [1M]
 (c) What are meta directing groups? [1M]

DISTRICT LEVEL I PUC ANNUAL EXAMINATION FEB - 2020

Time: 3 Hrs. 15 Mins.

Sub: MATHEMATICS (35)

Max. Marks: 100

General Instructions:

1. The question paper has Five parts, namely A, B, C, D and E. Answer all the parts.
2. Use the graph sheet for the question on linear inequalities in Part - D.

Part - A**I. Answer ALL the following questions:****10 × 1 = 10**

1. Write the set $\{x : x \in R, -4 < x \leq 6\}$ as interval.
2. If $\left(\frac{x}{3} + 1, y - \frac{2}{3}\right) = \left(\frac{5}{3}, \frac{1}{3}\right)$ find the value of x .
3. If $\cot x = \frac{3}{4}$ and x lies in the third quadrant, find $\sin x$.
4. Find the multiplicative inverse of $2 - 3i$.
5. Find 'n' if ${}^nC_8 = {}^nC_2$.
6. Find the fifth term of the sequence defined by $a_n = \frac{2n-3}{6}$.
7. Find the slope of line passing through the points, (3, 2) and (-1, 4).
8. Evaluate $\lim_{x \rightarrow 0} \left[\frac{e^{4x} - 1}{x} \right]$.
9. Identify the quantifier in the statement, "There exist a number which is equal to its square".
10. Define sample space of a random experiment.

Part - B**II. Answer any TEN of the following questions:****10 × 2 = 20**

11. Taking the set of natural number as universal set, write down the complement of the set $\{x : x + 5 = 8\}$.
12. If $A = \{3, 5, 7, 9, 11\}$, $B = \{7, 9, 11, 13\}$ and $C = \{11, 13, 15\}$ find $A \cap (B \cup C)$.
13. Let $A = \{1, 2\}$ and $B = \{3, 4\}$. Write $A \times B$. How many subsets will $A \times B$ have?
14. Find the radius of the circle in which a central angle of 60° intercepts an arc of length 37.4 cm
 $\left(\text{use } \pi = \frac{22}{7} \right)$.
15. Prove that $\sin^2 \frac{\pi}{6} + \cos^2 \frac{\pi}{3} - \tan^2 \frac{\pi}{4} = \frac{-1}{2}$.

16. Solve $2x^2 + x + 1 = 0$.
17. Solve $3x - 2 < 2x + 1$. Show the graph of the solution on number line.
18. Find the equation of the line parallel to the line $3x - 4y - 2 = 0$ and passing through the point $(-2, 3)$.
19. Find the angle between the lines $\sqrt{3}x + y = 1$ and $x + \sqrt{3}y = 1$.
20. Show that the points $(-2, 3, 5)$ $(1, 2, 3)$ and $(7, 0, -1)$ are collinear.
21. Evaluate $\lim_{x \rightarrow 1} \left[\frac{x^{15} - 1}{x^{10} - 1} \right]$.
22. Write the converse and contrapositive of the statement, "If a number 'n' is even then n^2 is even".
23. If the co-efficient of variation of the distribution is 60 and its standard deviation is 21. Find the arithmetic mean of the distribution.
24. Events E and F are such that $P(\text{not } E \text{ or not } F) = 0.25$. State whether E and F are mutually exclusive.

Part - C

III. **Answer any TEN of the following questions:**

10 × 3 = 30

25. There are 200 individuals with a skin disorder, 120 had been exposed to the chemical C_1 , 50 to chemical C_2 and 30 to both the chemicals C_1 and C_2 . Find the number of individuals exposed to
 - (i) Chemical C_1 or Chemical C_2 .
 - (ii) Chemical C_1 but not Chemical C_2
26. Let $f, g : R \rightarrow R$ be defined, respectively by $f(x) = x + 1$, $g(x) = 2x - 3$.
Find (i) $f + g$ (ii) $f - g$ (iii) $\frac{f}{g}$
27. Find the general solution of the equation $2\cos^2 x + 3\sin x = 0$.
28. If $x - iy = \sqrt{\frac{a - ib}{c - id}}$, prove that $(x^2 + y^2)^2 = \frac{a^2 + b^2}{c^2 + d^2}$.
29. Convert the complex number $Z = -1 + i$ in polar form.
30. Find the number of different 8 - letters arrangements that can be made from the letters of the word "DAUGHTER" so that
 - (i) All vowels occur together
 - (ii) All vowels do not occur together.
31. Find the term independent of x in the expansion of $\left(\frac{3x^2}{2} - \frac{1}{3x} \right)^6$.
32. Insert 6 numbers between 3 and 24 such that the resulting sequence is an A.P.
33. The sum of first three terms of a G.P. is $\frac{39}{10}$ and their product is 1. Find the common ratio.
34. Find the centre and radius of the circle $x^2 + y^2 - 8x + 10y - 12 = 0$.

35. Find the derivative of ' $\sin x$ ' with respect to x , from first principles.
36. Verify by the method of contradiction that " $\sqrt{7}$ is irrational".
37. A committee of two persons is selected from two men and two women. What is the probability that the committee will have (a) no men (b) one man (c) two men.
38. A and B are events such that $P(A) = 0.42$, $P(B) = 0.48$ and $P(A \text{ and } B) = 0.16$. Determine (i) $P(\text{not } A)$ (ii) $P(\text{not } B)$ (iii) $P(A \text{ or } B)$.

Part – D

IV. Answer any SIX of the following questions:

6 × 5 = 30

39. Define signum function. Draw the graph of it and write down its domain and range.
40. Prove that $\frac{\sin 5x - 2\sin 3x + \sin x}{\cos 5x - \cos x} = \tan x$.
41. Prove by mathematical induction $1^3 + 2^3 + 3^3 + \dots + n^3 = \frac{n^2(n+1)^2}{4}, \forall n \geq N$
42. Solve the inequalities graphically, $5x + 4y \leq 20, x \geq 1, y \geq 2$.
43. A committee of 7 has to be formed from 9 boys and 4 girls. In how many ways can this be done when the committee consists of (i) Exactly 3 girls (ii) At least 3 girls? (iii) atmost 3 girls?
44. State and prove Binomial theorem for positive integral index.
45. Derive the formula of distance of a point $P(x_1, y_1)$ from the line $Ax + By + C = 0$.
46. Derive the formula to find the coordinates of a point that divides the line joining the points $A(x_1, y_1, z_1)$ and $B(x_2, y_2, z_2)$ internally in the ratio $m : n$.
47. Prove geometrically that $\lim_{x \rightarrow 0} \frac{\sin x}{x} = 1$, where x is measured in radians.
48. Calculate the mean deviation about the mean for the following data:
- | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|
| Marks obtained | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 |
| Number of students | 2 | 3 | 8 | 14 | 8 | 3 | 2 |

Part – E

V. Answer any ONE of the following questions:

1 × 10 = 10

49. (a) Prove Geometrically that $\cos(x + y) = \cos x \cos y - \sin x \sin y$. Hence show that $\cos 2x = \cos^2 x - \sin^2 x$ [6M]
- (b) Find the sum to 'n' terms of the series $3 \times 8 + 6 \times 11 + 9 \times 14 + \dots$ [4M]
50. (a) Define ellipse as a set of points. Derive its equation in the form $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$ [6M]
- (b) Find the derivative of $\frac{\cos x}{1 + \sin x}$ w.r.t. x . [4M]

DISTRICT LEVEL I PUC ANNUAL EXAMINATION, FEB - 2020

Time: 3 Hrs. 15 Mins.

Sub: BIOLOGY (36)

Max. Marks: 70

General Instructions:

- (i) This question paper consists of four parts A, B, C and D. Part D consists of two parts, Section I & Section II.
- (ii) All the parts are Compulsory.
- (iii) Draw diagrams wherever necessary. Unlabelled diagrams OR illustrations do not attract any marks.

PART - AI. Answer ALL the following questions in one word or in one sentence each:

10×1=10

1. Define the term genus.
2. Mention any one example for basidiomycetes.
3. Define phyllotaxy. -
4. Expand ATP. -
5. What do you mean by translocation? -
6. Define imbibition. -
7. What is mycorrhiza?
8. Name the technique of growing plants in a nutrient solution. -
9. Name the body part affected in human during jaundice disorder. -
10. Write the name of the sockets of the skull where our paired eyes located.

PART - BII. Answer any FIVE of the following questions in 3-5 sentences each, wherever applicable:

5 × 2 = 10

11. Write any two characteristics exhibited by living organisms. -
12. Differentiate between gametophyte and sporophyte.
13. What are acoelomate animals? Mention the names of the phylum having acoelomate animals. -
14. Draw a neat labelled diagram of stomatal apparatus. -
15. What are bulliform cells? Mention its function.
16. Differentiate between anabolic and catabolic pathways.
17. What do you mean by denitrification? Name the microbe involved in the process.
18. What do you mean by diphyodont dentition? Write the dental formula in adult human. -

PART - C

III. Answer any FIVE of the following questions in 40-80 words each, wherever applicable:

5 × 3 = 15

19. Write any three important characteristics of prokaryotic cell.
20. What are biomolecules? Give any two examples.
21. Describe three phases taking place during interphase.
22. Write the correct pathway of water movement in the root.
23. Mention at least one function of the following essential nutrient elements in plants
(a) Nitrogen (b) Phosphorus (c) Calcium.
24. Draw a neat labelled diagram of nephron.
25. (a) Name the protein found in the light and dark bands of myofibril respectively. [2M]
(b) Write the symptom of Arthritis disorder. <https://www.karnatakaboard.com> [1M]
26. Write a short notes on the functions of the following hormones: (a) Thymosins (b) Insulin
(c) Progesterone

PART - D

SECTION - I

IV. Answer any FOUR of the following questions in 200-250 words each, wherever applicable:

4 × 5 = 20

27. Describe the important characteristics of gymnosperms.
28. Match the following animals to their respective phylum or class

Animal	Phylum / Class
(a) Sycon	(1) Amphibian
(b) Frog	(2) Echinodermata
(c) Tape worm	(3) Mollusca
(d) Octopus	(4) Porifera
(e) Starfish	(5) Platyhelminthes

29. Draw a neat labelled diagram of alimentary canal of cockroach.
30. State Blackman's laws of limiting factor and explain four factors affecting on photosynthesis.
31. List five main applications of auxin.
32. (a) Mention the functions of (i) RBC (Red Blood Cell) (ii) Eosinophils (iii) Platelets. [3M]
(b) Differentiate between open and closed circulatory system. [2M]

SECTION - II

V. Answer any THREE of the following questions in 200-250 words each, wherever applicable:

3 × 5 = 15

33. What is a flower? Describe the floral parts of a typical angiosperm flower.
34. Mention atleast one function of the following cell organelles: (a) Plasma membrane
(b) Cell wall (c) Golgi apparatus (d) Mitochondria (e) Chloroplast
35. Give a schematic representation of glycolysis.
36. Draw a neat labelled diagram of human respiratory system.
37. Briefly describe the structure of human brain.

ಬೆಲ್ಲಾ ಮಟ್ಟದ ಪ್ರಥಮ ಪಿ.ಯು.ಸಿ. ವಾರ್ಷಿಕ ಪರೀಕ್ಷೆ, ಫೆಬ್ರವರಿ - 2020

ಅವಧಿ : 3-15 ನಿಮಿಷಗಳು

ವಿಷಯ : ಕನ್ನಡ (01)

ಗರಿಷ್ಠ ಅಂಕಗಳು : 100

I ಒಂದು ಮೂರ್ತಿ ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ :

ಅ - ವಿಭಾಗ

10 x 1 = 10

- 1) ಚೋಳ ದೇಶವನ್ನು ಆಳುತ್ತಿದ್ದ ದೊರೆ ಯಾರು ?
- 2) ಗಂಗೆ ಸುರಿಯುವ ರಭಸಕ್ಕೆ ಏನೇನು ಒಂದಾದವು ?
- 3) ಅಣುಬಾಂಬುಗಳಿಗೆ ನೆಲ ಏನಾಗಿದೆ ?
- 4) ಈ ಭೂಮಿಯನ್ನು ಹೇಗೆ ಕಾಯಬೇಕು ?
- 5) ಸಿ.ಹೆಚ್. ಲಕ್ಷ್ಮಣಯ್ಯನವರು ತಮ್ಮ ಪತ್ನಿಗೆ ಹೇಳಿಕೊಂಡ ಕೊನೆಯ ಆಸೆ ಯಾವುದು ?
- 6) ಯಾರ ಪ್ರವಾಸಾನುಭವದಲ್ಲಿ ಲುಂಬಣಿಯ ಬಗೆಗೆ ವಿವರಗಳಿವೆ ?
- 7) ಹಲಸಿನಮರ ಮಾರಿದ್ದರಿಂದ ಕರಿದ್ವೇಗೊಡನಿಗೆ ಸ್ವ ಹಣವೆಷ್ಟು ?
- 8) ಬೋಳೇಶಂಕರನ ಅಣ್ಣ ಅತ್ತಿಗೆಯರಿಗೆ ಉಂಟಾದ ಆಸೆ ಯಾವುದು ?
- 9) ಬೋಳೇಶಂಕರನಿಂದ ಬೇರು ಕೆತ್ತುಕೊಳ್ಳಲು ಪಿಶಾಚಿ ಯಾವ ವೇಷದಲ್ಲಿ ಬರುತ್ತದೆ ?
- 10) ಹುಡುಗಿಯರ ಹಾಡಿಗೆ ಬೋಳೇಶಂಕರ ಬಹುಮಾನವಾಗಿ ಏನನ್ನು ಕೊಡುವನು ?

ಆ - ವಿಭಾಗ

II ಅ) ಯಾವುದಾದರೂ 4 ಪ್ರಶ್ನೆಗಳಿಗೆ 2 - 3 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ :

4 x 2 = 8

- 11) ಸತ್ಯವ ಸುಡಿಯುವುದು ಯಾವುದರ ಶೃಂಗಾರವಾಗಬೇಕು ? -
- 12) ಮೃಗಪಕ್ಷಗಳನ್ನು ಸ್ವಾಮಿಯು ಹೇಗೆ ರಕ್ಷಿಸುತ್ತಾನೆ ?

- 13) ರಾಕ್ಷಸಗಣ ಹತ್ಯೆಗೆ ಜನತೆ ಹೇಗೆ ಹೆಜ್ಜೆ ಇಡಬೇಕು ?
- 14) ಮಂಗಳ, ಶುಕ್ರ ಗ್ರಹಗಳನ್ನು ಏಕೆ ಹುಡುಕಬೇಕು ?
- 15) ನಗುವ ಚಂದಿರ ಏಕೆ ಕೈಗಂಟಕೊಂಡಿದ್ದಾನೆ ? -

(ಆ) ಯಾವುದಾದರೂ 3 ಪ್ರಶ್ನೆಗಳಿಗೆ 2 - 3 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ :

3 x 2 = 6

- 16) ನಿಂಗಮ್ಮಳ ಗಂಡ ಪ್ರಾಣ ಕಳೆದು ಕೊಂಡದ್ದು ಹೇಗೆ ?
- 17) ಮಾಸ್ತರರು ಬಾಡಿಗೆ ಮನೆಯನ್ನು ಹೇಗೆ ಖರೀದಿಸಿದರು ?
- 18) ಶಕುಂತಲೆ ತನ್ನ ಬದುಕು ಏನಾಗಿದೆಯೆಂದು ಯೋಚಿಸುತ್ತಾಳೆ ?
- 19) ನಾಜಿತ ಎರಡನೇ ಬಾರಿ ಮಹಾದೇವನ ಉತ್ಸವಕ್ಕೆ ತೆರಳಿದ್ದೇಕೆ ?

(ಇ) ಯಾವುದಾದರೂ 3 ಪ್ರಶ್ನೆಗಳಿಗೆ 2 - 3 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ :

3 x 2 = 6

- 20) ಬೆಟ್ಟದ ಮೇಲಿನ ದೇವತೆಯು ಬೋಳೇಶಂಕರನ ಅಣ್ಣ-ಅತ್ತಿಗೆಯರಿಗೆ ಹೇಗೆ ಕಾಣಿಸುತ್ತಾರೆ ?
- 21) ಬೋಳೇಶಂಕರ ಹುಡುಗಿಯರಿಗೆ ಚನ್ನ ಕೊಟ್ಟಿದ್ದಕ್ಕೆ ಸಾಕ್ಷಾರಣ್ಣನು ಏನು ಹೇಳುತ್ತಾನೆ ? -
- 22) ಸೈತಾನನಿಗೆ ಮೊದಲ ಪಂಕ್ತಿಯ ಊಟ ನಿರಾಕರಿಸಿದ್ದು ಏಕೆ ? -
- 23) ಬೋಳೇಶಂಕರ ಏನೆಂದು ಡಂಗುರ ಸಾರಿಸುತ್ತಾನೆ ?

ಇ - ವಿಭಾಗ

III (ಅ) ಯಾವುದಾದರೂ 2 ನ್ನು ಕುರಿತು ಸಂದರ್ಭ ಸೂಚಿಸಿ, ವಿವರಣೆ ನೀಡಿ :-

2 x 3 = 6

- 24) ಕಟ್ಟೆಯನು ಕಟ್ಟಿ ನೀರೆರೆದವರು ಯಾರೊ
- 25) ಎಲ್ಲರಿಗೂ ದಕ್ಕುವ ಎಲಚಿಯಾಗು
- 26) ಚಿಂದಿ ಮನಸ್ಸುಗಳನ್ನು ಬೋಡಿಸಲು ಸೂಜಿ ಇದೆ -

(ಆ) ಯಾವುದಾದರೂ 1 ನ್ನು ಕುರಿತು ಸಂದರ್ಭ ಸೂಚಿಸಿ, ವಿವರಣೆ ನೀಡಿ :-

1 x 3 = 3

- 27) ರೈಲು ಹೊರಡಲು ಜ್ಯೋತಿಷ್ಯದ ಅನುಮತಿಯನ್ನು ಯಾರೂ ಕೇಳುವುದಿಲ್ಲ
- 28) ರಂಗರಾವ್ ಅವರಿಂದ ಸಾರ್ವಜನಿಕ ಸೇವಾ ನಿಷ್ಠೆಯನ್ನು ಮನಗಾಣಿಕೊಂಡೆ

(ಇ) ಯಾವುದಾದರೂ 1 ನ್ನು ಕುರಿತು ಸಂದರ್ಭ ಸೂಚಿಸಿ, ವಿವರಣೆ ನೀಡಿ :-

1 x 3 = 3

- 29) ದಾರಿ ತಪ್ಪಿಸಿದವರಿಗೆ ಗಾಡೆ ಬಲ್ಲವರು ಬುದ್ಧಿ ಹೇಳುತ್ತಾರೆ.
- 30) ಕೆಲಸ ಮಾಡಿದವರು ಊಟ ಮಾಡಿದ ನಂತರ ಸೋಮಾರಿಗಳ ಊಟ. -

p.t.o

(ಪು.ತಿ.ನೋ)

ಈ - ವಿಭಾಗ

- IV (ಅ) ಯಾವುದಾದರೂ 3 ಪ್ರಶ್ನೆಗಳಿಗೆ ಐದಾರು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ : 3 x 4 = 12
- 31) ದ್ರೋಣನ ಕಳೆಬರಹವನ್ನು ಕಂಡು ದುರ್ಯೋಧನ ಹೇಗೆ ದುಃಖಿಸುತ್ತಾನೆ ? -
- 32) ಸರಸ್ವತಿಯ ಸಚಿವ ಮಂಡಲವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.
- 33) ಹೆಣ್ಣು ಭ್ರೂಣ ಹತ್ಯೆಯನ್ನು ಈ ಕವಿತೆಯಲ್ಲಿ ಹೇಗೆ ವಿರೋಧಿಸಲಾಗಿದೆ ?
- 34) ಉಳ್ಳವರ ಸ್ವಾರ್ಥ ಭೂಮಿ ಮತ್ತು ಇಂಧನವನ್ನು ಹೇಗೆ ನಾಶಗೈದಿದೆ ? ವಿವರಿಸಿ.
- (ಆ) ಯಾವುದಾದರೂ 2 ಪ್ರಶ್ನೆಗಳಿಗೆ ಐದಾರು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ : 2 x 4 = 8
- 35) ಹಳೆಯ ಜನ ಕೈಯಲ್ಲಿ ರಾಗಿ ಮುದ್ದೆ ತಿನ್ನುವ ಚಿತ್ರವನ್ನು ವಿವರಿಸಿ.
- 36) ಮಾಯಾದೇವಿಯ ದೇವಾಲಯದ ಪರಿಸರ ಹೇಗಿತ್ತು ?
- 37) ಸಪಾಯಿದಂಗೆಯನ್ನು ರೈತರ ದಂಗೆಯೆಂದು ಲೇಖಕರು ಏಕೆ ಕರೆದಿದ್ದಾರೆ ? 2 x 4 = 8
- (ಇ) ಯಾವುದಾದರೂ 2 ಪ್ರಶ್ನೆಗಳಿಗೆ ಐದಾರು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ : 2 x 4 = 8
- 38) ರಾಜಕುಮಾರಿಯ ಹೊಟ್ಟೆನೋವು ಪ್ರಸಂಗದಿಂದ ಬೋಲೇಶಂಕರ ರಾಜನಾದ ಕಥೆಯನ್ನು ತಿಳಿಸಿ.
- 39) ತನ್ನ ಕನಸನ್ನು ಕುರಿತು ಬೋಲೇಶಂಕರ ಮಂತ್ರಿಗೆ ಹೇಳಿದ್ದೇನು ?
- 40) ಯುದ್ಧ ಮಾಡಲು ಸೈನಿಕರು ಏಕೆ ನಿರಾಕರಿಸುತ್ತಾರೆ ?

ಉ - ವಿಭಾಗ

- V (ಅ) ಯಾವುದಾದರೂ ಒಂದು ಪದ್ಯದ ಬಾವಾರ್ಥವನ್ನು ಬರೆಯಿರಿ : 1 x 5 = 5
- 41) ಅರಿಯೆಮೆ ಬಿಲ್ಲುಬಿನ್ನಣಕೆ ಗಾಂಡೀವಿಯಲ್ಪು ಪಿನಾಕಪಾಣಿಯುಂ
ನೆರೆಯನಿಡಿರ್ಚಿ ನಿಮ್ಮೊಡನೆ ಕಾದಿ ಗೆಲಕ್ಕದು ನಿಮ್ಮುಪೇಕ್ಷೆಯುಂ
ದರಿಯನಿದೆನ್ನ ಕರ್ಮವಶಮೆಂದರಿಯುಂ ನಿಮಗಿಂತು ಸಾವುಮೀ
ತೆರದಿನ ಕಾರಣಂ ನೆರೆಯ ಸಂಭವಿಸಿದುದೊ ಕುಂಭ ಸಂಭವಾ
- 42) ಸೂಜಿ ಮೂಗಿಗೆ ದಾರ ಪೋಗಿಸುವ ಅಮ್ಮಿ
ಸಂತೆಯಲ್ಲಿ ಕೊಂಡು ತಂದ ನಿರಾಕಾರ ಮಾನಕ್ಕೆ ಮೊಲಿಗೆ ಪಾಕಿ
ರೂಪು ನೀಡುತ್ತಾಳೆ ಆಕಾರದಂತಹ ಕದಲಿನಂತಹ ಬಟ್ಟೆಗೆ
ನಮೂನಮೂನೆಯ ಪಾತ್ರ ಕೊಡುವ ಅಮ್ಮಿಯೇ ಸೃಷ್ಟಿಕರ್ತೆ
ಅಮ್ಮಿಯ ಕಣ್ಣು ಮೂಗು ಹಣೆ ರೋಮಗಳಿಂದ ಇಳಿಯುವ
ಉಪ್ಪು ನೀರಿನಿಂದಲೇ ಈ ನಿಗೂಢ ಬದುಕಿನೊಳಗೆ ನಿರ್ಜೀವ ಬಟ್ಟೆಗೆ ಪ್ರವೇಶ
- (ಆ) ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಆರು ಪ್ರಶ್ನೆಗಳಿಗೆ ಸೂಚನೆಗೆ ಅನುಗುಣವಾಗಿ ಉತ್ತರಿಸಿ :- 6 x 2 = 12
- 43) ಪದಗಳ ಅರ್ಥ ಬರೆಯಿರಿ. : ಇಭಶೈಲ, ಸ್ತೋಪಜ್ಞತೆ
- 44) ಏಡಿ ಬರೆಯಿರಿ. : ಪನ್ನಗಾಭರಣ, ವಿನಯೋಲ್ಲಂಘನ
- 45) ವಿರುದ್ಧ ಪದ ಬರೆಯಿರಿ. : ಸ್ವದೇಶಿ, ಉನ್ನತಿ
- 46) ನಾನಾರ್ಥಗಳನ್ನು ಬರೆಯಿರಿ. : ಕಾಡು, ಆಳು
- 47) ಸಮಾನಾರ್ಥಗಳನ್ನು ಬರೆಯಿರಿ. : ಕಣ್ಣು, ಅಂಫು
- 48) ತದ್ಭವ ಬರೆಯಿರಿ. : ವರ್ಣ, ನಿತ್ಯ
- 49) ವಾಕ್ಯಗಳಲ್ಲಿ ಬಳಸಿ ಬರೆಯಿರಿ. : ಮೊರೆ ಹೋಗು, ಮುಗಿಲು ಹರಿದು ಬೀಳು -
- (ಇ) ಒಂದನ್ನು ಕುರಿತು ಪ್ರಬಂಧ ಬರೆಯಿರಿ :- 1 x 5 = 5
- 50) ಕನ್ನಡ ನಾಡಿನ ಓರಿಮೆ 51) ಓದುವ ಹವ್ಯಾಸ
- (ಈ) ಯಾವುದಾದರೂ ಒಂದನ್ನು ಕುರಿತು ಪತ್ರ ಬರೆಯಿರಿ :- 1 x 4 = 4
- 52) ನಿಮ್ಮ ಪ್ರದೇಶದ ನೆರೆ ಪಾವಳಿಯನ್ನು ವಿವರಿಸಿ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳಿಗೆ ಪತ್ರ ಬರೆದು ಪರಿಹಾರ ಕಾರ್ಯ ಕೈಗೊಳ್ಳುವಂತೆ ವಿನಂತಿ ಮಾಡಿಕೊಳ್ಳಿರಿ.
ಅಥವಾ
- 53) ನಿಮ್ಮ ಕಾಲೇಜಿನ ವಾರ್ಷಿಕೋತ್ಸವ ಕಾರ್ಯಕ್ರಮಕ್ಕೆ ಆಹ್ವಾನಿಸಿ ನಿಮ್ಮ ಗೆಳೆಯ / ಗೆಳತಿಗೆ ಪತ್ರ ಬರೆಯಿರಿ.
- (ಉ) ಈ ಕೆಳಗಿನ ಗಾದೆಗಳಲ್ಲಿ ಒಂದನ್ನು ವಿವರಿಸಿ ಬರೆಯಿರಿ : 1 x 4 = 4
- 54) ಊಟ ಬಲ್ಲವನಿಗೆ ರೋಗವಿಲ್ಲ. ಮಾತು ಬಲ್ಲವನಿಗೆ ಜಗಳವಿಲ್ಲ 55) ಆಳಾಗಬಲ್ಲವನು ಅರಸಾಗಬಲ್ಲ.

First PUC Annual Examination - February - 2020

Time:- 3.15 Hours

Subject - English (02)

Marks:- 100

- Follow the prescribed time limit while answering the questions.
- Write the correct question numbers as it appears on the question paper.
- One mark question attempted more than once will be awarded zero.
- For multiple choice questions choose the correct answer and rewrite it.

I. Answer the following in a word, a phrase or a sentence each :-

12 x 1 = 12

- Name the chairman of the commission of Enquiry in the 'The Gentlemen of the Jungle'.
- Which bird sings with the speaker on a summer morning in 'The School Boy'?
- The Englishman offered Mara in 'Around a Medicinal creeper'.
a) his life b) his house c) his entire plantation
- What was highly valued by the people in 'Oru Manushyan'?
- How old was Babar Ali when he started his school 'Anand Shiksha Niketan'?
- Who would not runaway shouting for a bath in 'If I was a tree'?
- Name the river Mentioned in 'Watchman of the lake'.
- What kind of crop did the farmer grow in 'The Farmer's Wife'?
- Who was the mother of Frederick Douglass?
- What are the old woman's eyes compared to in 'An Old Woman'?
- Where did the Narrator first meet Nicola and Jacopo in 'Two Gentlemen of Verona'?
- What did the beauty of the beloved give spring in the poem 'Do not Ask of Me, My Love'?

II. Answer any EIGHT of the following choosing at least two from poems in a paragraph of 80 - 100 words each.

8 x 4 = 32

- Why was the Commission of Enquiry appointed by the king of the jungle? Explain.
- Describe how the school becomes a cage for 'The School Boy'.
- How did the Malayali Sadhu cure Krishna of his piles and boils on his body?
- Write about the people and the place where the incident took place in 'Oru Manushyan'.
- How does the poet bring out the caste discrimination in our society in the poem 'If I was a tree'?
- Give an account of the circumstances that prompted Mara to meet the king on the stormy night.
- How is the plight of the farmer's wife depicted in the poem 'The Farmer's Wife'?
- What details of suffering does Douglass give about his mother in 'Frederick Douglass'?

21. How does the speaker's attitude undergo a change in the poem 'An Old Woman'?
22. What story does the Narrator hear from the nurse about the boys in 'Two Gentlemen of Verona'?

III. Answer any ONE of the following in about 200 words

1 x 6 = 6

23. 'We must regain our sanity about money Before we start killing one another about it'. Justify this statement with reference to the poem 'Money Madness'

OR

'Nature is both protective and destructive'. How does the play 'Watchman of the Lake' bring out this idea?

OR

How is Babar ali an ideal role model to other students? Explain

IV. Read the following passage and answer the questions set on it.

10 x 1 = 10

Soybean belong to the Legume family. The beans are the seeds of the leguminous soybean plant. They can be grown in a Wide variety of soils and Wide range of climates. Soybeans are versatile as they can be used as whole beans, soy sprouts or processed as a variety of food items, such as soy milk, tofu, textured vegetable protein, soy sauce, oil and margarine and soy a daily alternatives. They are also used for making candles and biodiesel. Soy is an excellent protein rich food . It is low in saturated fats and cholesterol free. Vitamin B is plentiful in it. The minerals like Magnesium, calcium, iron, potassium and copper are found in abundance in Soy. It is also rich in fibre. Soy is highly recommend because of its ability to lower the levels of low Density Lipoprotein (LDL), a bad cholesterol. The food and drug administration has confirmed that foods containing soy protein are likely to reduce the risk of coronary heart disease. An easy way to take soy is to drink it in the form of soya milk. It is not available with added flavours. Soya milk does not contain lactose (Milk sugar) and can be drunk by those who are allergic to normal milk. To get soya milk, soybeans are soaked in water, ground and then strained.

24. Which family does soybeans belong to?
25. Where are soybeans grown?
26. Mention one of the food items prepared using soybeans.
27. What are the other uses of soy?
28. Name the bad cholesterol mentioned in the passage.
29. What has the food and drug administration confirmed about soy protein?
30. In recent times soy has been highly recommended because it _____
 a) is rich in vitamin B
 b) Can lower the levels of low density lipoprotein (LDL)
 c) has high quality protein
31. Why can soya milk be drunk by those who are allergic to normal milk?
32. Add a prefix to the word 'saturated' to form its antonym.
33. The _____ (Versatile) of soybean is proved by its use as whole beans, sprouts and a variety of processed food items.
 (fill in the blank using the appropriate form of the word given in the bracket)

V. A. Fill in the blanks with appropriate articles and prepositions given in brackets : $4 \times 1 = 4$

34. Mara decided to brush his teeth and wash his face _____ trekking back home. When he broke _____ small stick from a nearly plant to brush, he felt a sour taste in _____ mouth. He thought that there was something wrong _____ the stick and threw it.
(a, with, in, the, for, before)

B. Fill in the blanks with the suitable form of the verbs given in brackets: $4 \times 1 = 4$

35. I _____ (enter) a crowded restaurant. I _____ (eat) a full meal consisting of chapathis and meat curry I _____ (drink) tea as well. The bill _____ (come) to eleven annas.

C. Choose the correct form of the Verb that agrees with the Subject: $3 \times 1 = 3$

36. I _____ (have/has) only rags to wear and I _____ (is/am) Mara the lunatic. How can I _____ (followes/follow) your majesty to the palace?

D. Correct the following sentences and rewrite them: $2 \times 1 = 2$

37. Always children like to play.
38. My friend did not came to college yesterday.

E. Rewrite as directed:

39. The lion wanted _____ (piece/peace) and tranquility in his kingdom.
(Fill in the blank with the appropriate word given in bracket)
40. The narrator respected the _____ (serious) with which the two boys did their work.
(Complete the sentence with the right form of the word given in brackets)
41. four/had/farmer couple/the/children
(Re arrange the segments to form a meaningful sentence)
42. Babar Ali lived with his parents.
(Change into a question beginning with the right form of 'Do')
43. My father was a white man _____?
(Add a suitable question tag)
44. The old man wanted a fifty paise coin
(Frame a question so as to get the underlined word as answer)

VI. A. Read the KSRTC schedule and answer the question.

Mysore KSRTC Bus station		
Buses from Mysore to Shivamogga		
Types of Bus	Arrival	Departure
1. Express	8:00 hrs	8:30 hrs
2. Super Deluxe	9:30 hrs	10:00 hrs
3. Rajahamsa	13:30 hrs	14:00 hrs
4. Airavatha	16:30 hrs	17:00 hrs

45. a. When does Rajahamsa leave from Mysore?
b. Which bus departs to Shivamogga at 17:00 hrs?
c. When does the super deluxe arrive at Mysore?
d. Which bus arrives to Mysore at 8:00 hrs?

B. 46. Write a letter to the Commissioner, City Corporation, Mysore, complaining about irregular water supply and inconvenience caused to the people. Your letter should also include the following points.

1 x 5 = 5

- a. Supply of water at Odd hours
- b. Areas affected

VII. A Match the expression under column 'A' to its corresponding language function under column 'B'.

5 x 1 = 5

47.

A.

Expressions

- 1. Excuse me
- 2. I am grateful to you
- 3. I beg your pardon
- 4. How sad !
- 5. May I come in

B.

Fuctions

- a. Expressing gratitude
- b. Starting a conversation with a stranger
- c. Seeking permission
- d. Apologising
- e. Expressing Sympathy

B. Complete the dialogue.

48. Rohith comes to the class late. The teacher enquires him

Teacher : _____ Rohith?

Rohith : _____ Sir. I _____ The bus

Teacher : It's O.k. Don't do it again

Rohith : _____

C. 49. Dialogue writing:

1 x 3 = 3

Sudeep has secured a good rank in 10th standard exam. Darshan, his friends, meets him and congratulates him. Write a dialogue between the two.



<https://www.karnatakaboard.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से

<https://www.karnatakaboard.com>