HOLIDAY HOMEWORK 2024-25

ENGLISH

General Instructions:

- 1. Read the newspaper daily with special emphasis on school based reports, notices, posters and articles. Pay attention to the language used.
- 2. Attempt the following questions in English Registers.
- 3. Date of submission is 19 June,2024.

READING

Q1. Read the passage and on the basis of your understanding of the passage answer the questions given below:

- 1.Ghost nets aren't supernatural, but they are legitimately scary. A ghost net is a fishing net that's been lost or abandoned in the ocean. They are one particularly appalling part of the global ghost fishing problem, which includes fishing gear abandoned in the water. Any net or line left in the ocean can pose a threat to marine life. Just because a net is no longer used by fishers doesn't mean it stops working. These nets continue to trap everything in their path, presenting a major problem for the health of our oceans and marine life.
- 2.Ghost nets entangle sea turtles, dolphins and porpoises, birds, sharks, seals and more, apart from catching fish. The nets keep animals from moving freely, cause injuries and keep mammals and birds from rising to the surface for air. Since hundreds of animals can be caught in a single net, this threat is monumental. The ghost nets harm coral reefs too—breaking corals, exposing them to disease and even blocking the reefs from needed sunlight.
- 3.Ghost nets are also a major contributor to the ocean plastics' crisis. Most modern nets are made of nylon or other plastic compounds that can last for centuries. According to a 2018 study in Scientific Reports, ghost nets make up at least 46 percent of the Great Pacific Garbage Patch. Those abandoned fishing lines and nets that do breakdown never go away; they just become smaller pieces of plastic. Marine animals mistake this microplastic for food and eat it, which can harm internal organs, keep them from eating and expose them to toxic chemicals.
- 4.Exorcising ghost nets from our oceans will require commitment, cooperation and innovation. Many groups are working to remove ghost nets from the sea and are collaborating with local fishers and governments around the world to identify target areas and remove as many nets as possible. In 2015, a single World Wildlife Fund for Nature (WWF)-led mission in the Baltic Sea hauled up 268 tons of nets, ropes and other material.
- 5.To stop these nets from becoming ghosts in the first place, conservation organisations advocate for fishing gear that can be traced to its owner so anyone dumping nets can be fined and refundable deposits on nets to encourage returning or recycling rather than littering. Tools like sonar reflectors that can make ghost nets easier to find and working with small-scale fisheries to



develop more sustainable fishing gear and practices are other suggestions. It is only by attacking this problem from all sides, together with conservation partners, fishers and supporters, can we banish ghost nets and protect our oceans.

Based on your understanding of the passage, answer the questions given below.

i Complete the sentence by choosing an appropriate option.

- Ghost nets have been named so because they
 - a. cause much harm to the marine life.
 - b. are functional though not in use by fishers.
 - c. are not owned by anyone.
 - d. act as a snare for all animals in oceans.
- ii Comment on the writer's reference to the ghost nets in paragraph one, as a health problem for the oceans.
- iii List the two ways being entangled in a ghost net is likely to impact a walrus.
- iv Select the option that conveys the opposite of 'negligible', from words used in paragraph two.
 - a. Unimpressive
 - b. Monumental
 - c. Exposing
 - d. threat

v The writer would agree with the given statements based on paragraph three, EXCEPT:

- a. Most ghost nets take a few years to completely disintegrate.
- b. Ghost nets contribute to the Great Pacific Garbage Patch.
- c. Most ghost nets provide nutrition to marine animals, upon disintegration.
- d. Ghost nets can curtail freedom of marine animals.
- vi Some records share that fishing nets used to be made of common rope using natural fibres, prior to the 1960s. Based on your understanding of paragraph three, list one major advantage that these had over the fishing nets being used in present times.
- vii Why is it fair to say that commitment and innovation have to go hand-in-hand to rid the oceans of ghost nets?
- viii Complete the given sentence with an appropriate inference, with respect to the following:

The writer quotes the example of the WWF-led mission in the Baltic Sea (Paragraph 4), in order to.....

ix How can the solutions, suggested in paragraph five, best be described?

- a. practical
- b. presentable
- c. popular
- d. prejudiced



- x Select the most suitable title for the above passage.
 - a. The Scary Side of Ghost Nets
 - b. Ghost Nets A Result of Human Dominance
 - c. Ghost Nets A Menace to Marine Life
 - d. Ways to Tackle the Problem of Ghost Nets

Q2. Read the passage and on the basis of your understanding of the passage answer the questions given below:

- 1. India has never subscribed to the doctrine of militarism and war in its history. Here war was never treated as an ideal. It was only tolerated as unavoidable and inevitable, and all attempts were made to check it and bring it under control. In spite of the frequency of wars in ancient India, in spite of highly developed military organization, techniques of war and imperialism, and in spite of the open justification of war as national policy, the heart of India loved pacifisms as an ideal capable of realization. India's symbolic role was that of a peacemaker and it sincerely pinned its faith on the principle of 'Live and let live'. At least philosophically, India supported the cause of peace not only in national affairs but in international affairs also. All the great seers of the yore visualized the unity of life, permeating all beings, animate or inanimate, which ruled out killing and suicidal wars.
- 2. This doctrine of philosophical pacifisms which was practiced by ancient Aryans is, no doubt, a question of controversial nature. Certainly, the great Indian teachers and savants stuck to this doctrine tenaciously and in their personal life they translated it into practice and preached it to masses.
- 3. Another culture of those times, the existence of which has been proved by the excavations of Mohanjo-Daro, also enunciated the doctrine of pacifism and friendship to all. Strangely enough, the Indus Valley civilization has revealed no fortification and very few weapons.
- 4. Ahinsa or the doctrine of non-violence in thought, speech and action assumed a gigantic importance in the Buddhist and Jain period. By a constant practice of this virtue, man becomes unassailable by even wild beasts, who forget their ferocity the moment they enter the circumference of his magnetic influence. The monks and nuns of these churches were apostles of peace, who reached every nook and corner of the world and delivered the message of love to war-weary humanity. The greatest votary was the royal monk Ashoka, who in reality was responsible for transforming Ahimsa as an act of personal virtue, to Ahimsa as an act of national virtue.
- 5. Many historians recounting the causes of the downfall of the Mauryas, hold the pacific policy of Ashoka which had eschewed the aggressive militarism of his predecessors, responsible for an early decay of the military strength of the state and its consequent disintegration, leading to the rise of Sungas, Kanvas and Andhras. But, in reality the fault lies with the weak successors of Ashoka, who could not wield the weapon of non-violence with a skill and efficiency which required the strength of a spiritual giant like Ashoka. They failed due to their subjective weakness. Pacifism itself was no cause of their failure.
- 6. Besides the foregoing philosophical and religious school of thought, even many political authorities gave their unqualified support to the cause of pacifisms. They recognized the right of rivals to exist, not mainly as enemies, but as collaborators in the building of a civilization operation. Thus, for centuries, in the pre-Mauryan India, scores of small independent republics existed and flourished without coming in clash with each other.



- 7. With regard to Kautilya, the much-maligned militarist and the so-called Machiavelli of India, He thinks that the object of diplomacy is to avoid war.
- 8. The Mahabharata observes in the connection, "A wise man should be content with what can be obtained by the expedients of conciliation, gift and dissention." It denounces the warring world of men by comparing it to a dog-kennel. "First there comes the wagging of tails, then turning of one round to other, then the show of teeth, then the roaring and then comes the commencement of the fights. It is the same with men; there is no difference whatever." Yajnavalkya adds, "War is the last expedient to be used when all others have failed." Likewise, Sri Krishna whose Bhagwat Gita has been styled by some as 'a song of the battle', should not be considered out and out militarist. When all the three expedients were exhausted, then alone the fourth was resorted to.
 - 9. All possible avenues of peace such as negotiation, conciliation through conference, meditation and so on, were explored before the war was resorted to. This proves that the heart of ancient India was sound and it longed for peace, although war also was not treated as an anathema, which was to be avoided as far as possible.

2.1 Answer the following questions in 20-30 words:

- (i) How was war treated in India?
- (ii) How did the Aryans practice the Doctrine of Pacifism?
- (iii) What is the meaning of co-existence with rivals?
- (iv) Why should Bhagavat Gita not be considered as 'A song of the battle'?

2.2 Answer any three of the following questions in 30-40 words:

(i) What kind of unity did all the seers visualize?

(ii) By some, Ashoka was considered as the cause of the downfall of the Mauryas. Do you agree?

Give reasons for your answer.

- (iii) Which options were explored by Sri Krishna before resorting to war?
- (iv) Throw some light on the thinking of Kautilya regarding war.

2.3 Pick out the words/phrases from the passage which are similar in meaning to the following:

- (i) defensive wall (para 3)
- (ii) the beginning (para 8)
- Q3. Choose a significant topic (Social /Environmental issues) that directly pertains to our current circumstances for the project work to be done in Term 2. Listen to podcasts/interviews/ radio or T.V documentary on the same topic.

WRITING

- **Q4.** Choose your favourite scene from any one of the chapters given below and make a comic strip on the same, on A3 size sheet:
 - The last Lesson
 - Lost Spring
 - My Mother at Sixty-Six
 - The Third Level



- **Q5.** Prepare an attractive poster in not more than 50 words highlighting the importance and ways of rainwater harvesting.
- **Q6.** You are Josely Mathew, the President of the school book club. The club is organising a drive for promoting reuse of study materials and books. Draft a notice in about 50 words, for the school notice board, addressing students of classes X-XII, informing them about this drive and urging them to contribute to the endeavour. Mention how the donated books would would benefit a charitable cause
- **Q7**.You are Raman/ Ritu studying in Bharat School, Delhi. The road leading to your school is very congested and full of potholes. Students and parents are often caught in traffic jam. In spite of several representations, the government has not done anything to improve the condition of the road. Write a letter to the Editor of Times of India drawing the attention of the government towards this problem. (120-150 words).
- **Q8.** Taking selfies has become a rage and is a global phenomenon. It has cost us several lives and also immortalised several moments. Write an article for a National Daily on the trend of taking selfies and its impact on people. You are Aditi/ Aditya. (150-200 words).

LITERATURE

Q9. Attempt the questions given below in 120-150 words each.

- a) Justify the title 'The Last Lesson'
- b) How is Mukesh's attitude towards his situation different from that of Saheb? Why?
- c) 'Imagination is a temporary refuge from reality'. Explain with reference to the chapter 'The Third Level'.
- d) In today's fast paced life, sometimes children are forced to neglect their ageing parents. With reference to 'My Mother at Sixty-Six', what do you think children can do to have an involved and inclusive relationship with their elderly parents?

ECONOMICS

Date of submission: 20 June, 2024

Make a project to analyse and evaluate Real World Economic Scenarios using theoretical constructs and arguments. The project should be of 3,500-4,000 words (excluding diagrams & graphs) and should be hand-written. It will be an independent, self-directed piece of study.

Scope of the project:

Learners may work upon the following lines as suggested below:

- A. Choose a title/topic.
- B. Collection of the research material/data (questionnaire/ or case study) as instructed by the teacher
- C. Organization of material/data
- D. Present material/data
- E. Analysing the material/data for conclusion



- F. Draw the relevant conclusion.
- G. Presentation of the Project Work

Expected Checklist:

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Various stakeholders and effect on each of them
- Advantages and disadvantages of situations or issues identified.
- Short-term and long-term implications of economic strategies suggested during research.
- Validity, reliability, appropriateness, and relevance of data used for research work and for presentation in the project file.
- Presentation and writing that is succinct and coherent in project file.
- Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

Assignment

Complete the following assignment in Economics notebook.

- 1. What was the motive behind deindustrialization by the colonial govt. in India?
- 2. How did the introduction of the railway system change the Indian Economy?
- 3. What do you mean by economic drain during British India?
- 4. The traditional handicrafts industries were ruined under British rule. Do you agree with this view? Give reasons in support of your answer.
- 5. What is meant by import substitution in Indian economy?

ACCOUNTANCY

Date of submission: 21 June, 2024

Students are supposed to make a Project File

One specific project based on financial statement analysis of a company covering any two aspects from the following:

- 1. Comparative and common size financial statements
- 2. Accounting Ratios
- 3. Segment Reports
- 4. Cash Flow Statements

Following essentials are required to be fulfilled for project preparation and submission.

- 1. Total length of the project will be of 20 to 25 pages.
- 2. Project should be neatly handwritten and presentable with page number marked.
- 3. Project should be developed in the following sequence-
- Cover page should include the title of the Project, student information, school and year.
- List of contents.
- Acknowledgement and Preface.
- Introduction.
- Topic with suitable heading.
- Analysis, interpretation and presentation of information.



Assignment

Complete the following assignment in Accountancy notebook

Show the working wherever required:

- 1) A , B and C are partners with fixed capitals of 1,00,000 , 200,000 and 3,00,000 respectively. Their partnership deed provides that :
- (a) A is to be allowed a monthly salary of 600 and B is to be allowed a monthly salary of 400.
- (b) C will be allowed a commission of 5% of the net profit after allowing salaries of A and B.
- (c) Interest is to be allowed on capitals @ 6%.
- (d) Interest will be charged on partners annual drawings at 4%.
- (e) The annual drawings were :B 10,000 and C 15,000.

The net profit for the year ending 31st march, 2014 amounted to 1,72,000.

- 2) David and John were partners in a firm sharing profits in the ratio of 4 : 1. Their capitals on 1.4.2006 were : David Rs.2,50,000 and John Rs.50,000. The partnership deed provided that David will get a commission of 10% on the net profit after allowing a salary of Rs.2,500 per month to John. The profit of the firm for the year ended 31.3.2007 was Rs.1,40,000. Prepare Profit and Loss Appropriation Account for the year ended 31.3.2007.
- Calculate interest on drawings of Mr. Vinod @ 8% p.a. for the year ended 31st March,2014 in each of the following cases: Case 1: If he withdrew Rs.2,000 at the beginning of each year. Case 2: If he withdrew Rs.2,000 during the middle of each month. Case 3: If he withdrew Rs.2,000 at the end of each month.
- 4) A business has earned average profits of 1,00,000 during last few years and the normal rate of return in similar business is 10%. Find out the value of goodwill by
 - (i) Capitalization of super profit method and
 - (ii) Super profit method if the goodwill is valued at 3 years purchase of super profit. The assets of business where 10,00,000 and its liabilities 1,80,000.
- 5) Differentiate between sacrificing ratio and gaining ratio.

BUSINESS STUDIES

Date of submission: 22 June 2024

Project Work in Business Studies for Class XII

PROJECT ONE: MARKETING

Students are required to choose any one of the following products:

1.Toothpaste 2. Noodles 3. Shampoo 4. Bathing soap 5. Washing detergent 6. Washing powder 7. Lipstick 8. Moisturiser 9. Shoe polish 10. Pen 11. Shoes 12. Hair dye 13. Mobile

14. Chocolate 15. Sauces/ketchup 16. Ready soups 17. Body spray 18. Fairness cream 19. Hair oil 20. Roasted Snacks 21. Jeans 22. Pickles 23. Squashes 24. Jams 25. Salt 26. Bread 27. Butter 28. Shaving cream 29. Razor 30. Cheese spreads 31. Refrigerator 32. Tiffin 33. Learning toys 34. Coffee or any other products discussed in the class.



Identified product should not be items whose consumption /use is discouraged by the society and government like alcohol or related products/pan masala, tobacco products, etc.

Make a project on the identified product/ service keeping in mind the following.

- 1. Why have they selected this product/service?
- 2. Find out '5' competitive brands that exist in the market.
- 3. What permission and licences would be required to make the product?
- 4. What are your competitors' Unique Selling Proposition. [U.S.P.]?
- 5. Does your product have any range? Give details.
- 6. What is the name of your product.
- 7. Enlist its features.
- 8. Draw the 'Label' of your product.
- 9. Draw a logo for your product.
- 10. Draft a tag line.
- 11. What is the selling price of your competitor's product?
- 12. How will your product be packed?
- 13. Which channel of distribution are you going to use? Give reasons for selection.
- 14. Decisions related to warehousing, state reasons.
- 15. What is going to be your selling price? (i) To consumer (ii) To retailer (iii) To wholesaler
- 16. List 5 ways of promoting your product.
- 17. Any schemes for (i) The wholesaler(ii) The retailer (iii) The consumer?
- 18. What is going to be your 'U.S.P?
- 19. What means of transport you will use and why?
- 20. Draft a social message for your label.
- 21. What cost effective techniques will you follow for your product?

22. What cost effective techniques will you follow for your promotion plan? At this stage the students will realise the importance of the concept of marketing mix and the necessary decision regarding the four P's of marketing.

1.PRODUCT 2. PLACE 3. PRICE 4. PROMOTION

PROJECT TWO: PRINCIPLES OF MANAGEMENT

The students are required to visit any one of the following:

- 1. A departmental store.
- 2. An Industrial unit.
- 3. A fast food outlet.
- 4. Any other organisation approved by the teacher.

They are required to observe the application of the general Principles of management advocated by Fayol. Fayol's principles 1. Division of work. 2. Unity of command. 3. Unity of direction.

4. Scalar chain 5. Espirit de corps 6. Fair remuneration to all. 7. Order. 8. Equity. 9. Discipline 10. Subordination of individual interest to general interest. 11. Initiative. 12. Centralisation and decentralisation. 13. Stability of tenure. 14. Authority and Responsibility

OR

They may enquire into the application of scientific management techniques by F.W. Taylor in the unit visited.

Scientific techniques of management.

- 1. Functional foremanship.
- 2. Standardisation and simplification of work.
- 3. Method study.



- 4. Motion Study.
- 5. Time Study.
- 6. Fatigue Study
- 7. Differential piece rate plan

Each student to prepare and submit his/her allotted project report.

Following essentials are required to be fulfilled for project preparation and submission.

- 1. Total length of the project will be of 25 to 30 pages.
- 2. Project should be neatly handwritten and presentable with page number marked.
- 3. Project report should be developed in the following sequence-
- Cover page should include the title of the Project, student information, school and year.
- List of contents.
- Acknowledgements and Preface.
- Introduction.
- Topic with suitable heading.
- Photographs (if any)
- Analysis, interpretation and presentation of information.
- Conclusions (summarized suggestions or findings, future scope of study).

MATHEMATICS

Date of submission: 25 June 2024

Complete the following assignment in Mathematics notebook.

- 1. Give an example of a 3 x 3 matrix which is
 - (a) Symmetric Matrix
 - (b) Skew-Symmetric Matrix
 - (c) Neither Symmetric nor Skew-Symmetric Matrix

(d) Symmetric as well as Skew-Symmetric Matrix If $f(x) = \frac{1}{\sqrt{1-x^2}} \begin{bmatrix} 1 & -x \\ -x & 1 \end{bmatrix}$ then prove that $f(x).f(y) = f(\frac{x+y}{1+xy})$. Hence show that f(x).f(-x) = 1, 2. where |x| < 1.

If order of Matrix A be m x n, then what will be the order of matrix B if 3. (a) AB & BA both are defined (b) AB' & B'A both are defined

4. Find the matrix A, if
$$\begin{pmatrix} 2 & -1 \\ 1 & 0 \\ -3 & 4 \end{pmatrix} A = \begin{pmatrix} -1 & -8 & -10 \\ 1 & -2 & -5 \\ 9 & 22 & 15 \end{pmatrix}$$
.

- If $A = \begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$ find $A^2 5A + 4I$ and hence find a matrix X such that $A^2 5A + 4I + X = O$ 5.
- Prove that the function defined by $f: N \rightarrow N$ defined by $f(x) = x^2 + x + 1$ is one-one but not onto. 6.

7. Prove that
$$\cos[\tan^{-1}{\sin(\cot^{-1}x)}] = \sqrt{\frac{1+x^2}{2+x^2}}$$



If $A = \begin{bmatrix} 2 & 3 \\ 5 & -2 \end{bmatrix}$ be such that $A^{-1} = kA$, then find the value of k. 8.

- Find the values of x, y and z if A = $\begin{bmatrix} 0 & 2y & z \\ x & y & -z \\ x & -y & z \end{bmatrix}$ satisfies A' = A⁻¹ 9.
- Let A = {1,2,3,,9} and R be a relation on A × A defined by R = {(a, b): |a b| is even} is 10. an equivalence relation. Also find the equivalence class of 7.

11. Find the value of
$$\sin^{-1}(\sin\frac{5\pi}{6}) + \cos^{-1}(\cos\frac{13\pi}{6})$$

12. Find the value of the expression: $\sin(2\tan^{-1}\frac{1}{3}) + \cos(\tan^{-1}2\sqrt{2})$.

- Find the real solution of the equation: $\tan^{-1}\sqrt{x(x+1)} + \sin^{-1}\sqrt{x^2 + x + 1} = \frac{\pi}{2}$. 13.
- 14. Let R be the relation in $R \times R$ defined by (a, b) R (c, d) if ad (b + c) = bc (a + d) for (a, b), (c, d) in $R \times R$. Prove that R is an equivalence relation.
- 15. Let $A = \{1, 2, 3, \dots, 9\}$ and R be the relation in A ×A defined by (a, b) R (c, d) if a + d = b + c for (a, b), (c, d) in A ×A. Prove that R is an equivalence relation and also obtain the equivalent class [(2, 5)].
- 16. Sherlin and Dhanuja are playing Ludo at home. While rolling the dice, Sherlin's sister Raji observed and noted the possible outcomes of the throw every time belongs to set $\{1, 2, 3, 4, 5, 6\}$. Let A be the set of players while B be the set of all possible outcomes. A

$$A = \{S, D\}, B = \{1, 2, 3, 4, 5, 6\}$$

(a) Let $R : B \to B$ be defined by $R = \{(x, y): y \text{ is divisible by } x\}$ is

- (i) Reflexive and transitive but not symmetric
- (ii) Reflexive and symmetric and not transitive
- (iii)Not reflexive but symmetric and transitive

(iv)Equivalence

- (b) Raji wants to know the number of functions from A to B. How many number of functions are possible?
 - (i) 6^2 (iv) 2^{12} (ii) 2^6 (iii) 6!
- (c) Let R be a relation on B defined by $R = \{(1,2), (2,2), (1,3), (3,4), (3,1), (4,3), (5,5)\}$. Then R is
 - (ii) Reflexive (iii) Transitive (i) Symmetric (iv) None of these t
- (d) Raji wants to know the number of relations possible from A to B. How many numbers of relations are possible?
 - (iv) 2¹² (i) 6^2 (ii) 2^6 (iii) 6!
- (e) Let $R: B \to B$ be defined by R={(1,1),(1,2), (2,2), (3,3), (4,4), (5,5),(6,6)}, then R is (i) Symmetric
 - (ii) Reflexive and Transitive
 - (iii)Transitive and symmetric
 - (iv)Equivalence
- On her birth day, Seema decided to donate some money to children of an orphanage home. If 17. there were 8 children less, everyone would have got 10 more. However, if there were 16 children more, everyone would have got Rs. 10 less. Let the number of children be x and the amount distributed by Seema for one child be y (in Rs.)

Based on the information given above, answer the following questions:

(a) The equations in terms x and y are



(i) 5x-4y = 40, 5x-8y = -80(ii) 5x-4y = 40 5x-8y = 80 $(iii)5x-4y = 40\ 5x+8\ y= -80$ (iv)5x+4y = 405x-8y = -80(b) Which of the following matrix equations represent the information given above? 40 (i) (ii) (iii) (iv (c) The number of children who were given some money by Seema, is (i) 30 (ii) 40 (iii) 23 (iv) 32 (d) How much amount is given to each child by Seema? (ii) ₹ 30 (i) ₹ 32 (iii) ₹ 62 (iv) ₹ 26 (e) How much amount Seema spends in distributing the money to all the students of the Orphanage? (i) ₹ 609 (ii) ₹960 (iii) ₹ 906 (iv) ₹ 690

PHYSICAL EDUCATION

Date of submission: 25 June 2024

To be done in Record/Practical File.

- 1. Practical-1: Fitness test administration for all items.
- 2. Practical-2: Procedure for Asanas, benefits & contraindication for any two Asanas for each lifestyle disease.
- 3. Practical-3: Procedure for administering Senior Citizen Fitness Test for 5 elderly family members.
- Practical-4: Any one game of the student's choice from the list below. Labelled diagram of field & equipment (Rules, Terminologies & Skills) of the same game. Basketball, Football, Kabaddi, Kho-Kho, Volleyball, Handball, Hockey, Cricket, Bocce & Unified Basketball (CWSN).
- Record File should be of the new pattern.

Assignment

Complete the following assignment in P.ED notebook.

- 1. Write about the objectives of intramural tournaments.
- 2. Discuss a method you would choose to spread health awareness and harmony in your area. Support your answer with reasons.
- 3. Describe corrective measures for some common spinal postural deformities.
- 4. Write down the procedure and contraindications of Matsyasna in detail.
- 5. Discuss different types of tournaments.
- 6. Explain various benefits of Women's participation in Sports.



COMPUTER SCIENCE

Date of Submission: 25 June, 2024

GENERAL INSTRUCTIONS:

- Code for the following programs to be printed on A4 size sheets along with the snapshot of the output
- Font for the Code: Courier New: Font-size 12
- Only one program and its output to be printed on one A4 size sheet(single side print)
- 1. Write a program to check if the given number (positive Integer) is a palindrome or not.
- Write a program to reverse a given string

 Using iterative statements in Python
 Using Slicing Method in Python
- 3. Write a program to remove all numbers ending with 7 from a given list (without using Python in-built functions)
- 4. Write a program to find and display the sum of all the integers (positive/negative) that are multiples of 3.
- 5. Write a Python program to create and print a dictionary where the keys are numbers between 1 and n (both included); when n is given by the user and the corresponding values are the square of the keys.
- 6. Write a program in Python to use standard library- Math and perform the followinga. Find the Area of a circleb. Find the square root of a given number
- 7. Write a program that inputs a string from the user and replaces every Nth character of the string with #.
- 8. Write a menu-driven program in Python to create a calculator with the help of user defined functions
- 9. Write a user defined function that takes a given number as an input argument and returns the Fibonacci series upto the given number from the function.
- 10. Write a function, lenWords(STRING), that takes a string as an argument and returns a tuple containing length of each word of a string. For example, if the string is "Come let us have some fun", the tuple will have (4, 3, 2, 4, 4, 3)