# ST. PBN Public School <br> SAMPLE PAPER <br> ENGLISH LANGUAGE AND LITERATURE 

(Code No. 184)
CLASS IX

Time allowed: 3 Hrs.
Maximum Marks: $\mathbf{8 0}$

## General Instructions:

1. 15-minute prior reading time allotted for $Q$-paper reading.
2. The Question Paper contains THREE sections-READING, GRAMMAR \& WRITING and LITERATURE.
3. Attempt questions based on specific instructions for each part.

|  | Section A: READING SKILLS | $\mathbf{2 0}$ |
| :---: | :--- | :---: |
| I | Read the passage given below. | It is rare to find someone with good technical and communication skills. You can get far ahead of <br> your colleagues if you combine the two early in your career. People will judge, evaluate, promote <br> or block you based on your communication skills. Since habits form by repeating both good and <br> bad forms of communication, learn to observe great communicators and adopt their styles and <br> traits- in written and verbal forms. The art of listening and learning from each and every <br> interaction is another secret recipe. Develop the subconscious habit of listening to yourself as you <br> speak and know when to pause. |
|  | Learning what not to say is probably more important than learning what to say. As your career <br> develops, you will realize that the wise speak less. Speak when you have value to add, else refrain. |  |
| Poorly constructed emails with grammatical errors are acceptable between friends, but they should <br> be seriously avoided while communicating formally with your seniors. Avoid any communication in <br> an emotional state when you might say things you will regret later. One unnecessary word uttered at <br> the wrong time or place can ruin a relationship, career or even your life. Such is the power of words. |  |  |
| If such a thing happens, you should immediately apologize; else it may haunt you for life. |  |  |


|  | Based on your understanding of the passage, answer the questions given below. | 1x10 |
| :---: | :---: | :---: |
| i | According to the writer on what basis does people judge, evaluate, promote or block you? (Paragraph 1) <br> A. On the basis of your body language <br> B. On the basis of your socio - economic status <br> C. On the basis of your communication skills. <br> D. On the basis of your inter-personal relationships | 1 |
| ii | Select the option that corresponds to the following relation below: <br> The better your communication skills are -the greater your acceptability <br> A. The more you exercise-the lesser your illness <br> B. The higher the stamina-the lower the food intake <br> C. The smaller the vehicle-the bigger the advantage <br> D. The heavier the violation-the higher the penalty. | 1 |
| iii | Select the option that displays what the writer projects, with reference to the following: <br> If such a thing happens, you should immediately apologize, else it may haunt you for life. <br> A. doubt <br> B. caution. <br> C. conviction <br> D. denial | 1 |
| iv | Complete the following with a phrase from paragraph 2. | 1 |
|  | Opinion Reason |  |
|  | Their meaning crystallizes perceptions that shape our beliefs, drive our behavior, and ultimately, create our world. |  |
| v | According to the writer, what is the secret recipe to develop good communication skills? (Paragraph 1) | 1 |


| vi | Based on your reading of the text, list 2 reasons why the writer says that "Learning what not to say is probably more important than learning what to say".(Paragraph 2) <br> 1) $\qquad$ <br> 2) $\qquad$ | 1 |
| :---: | :---: | :---: |
| vii | Why should you be careful when you tend to be humorous? | 1 |
| viii | The writer says, "Since our minds are working faster than our speech, we are inclined to speak fast. This does not necessarily mean that the person hearing it will get it any faster. " (Paragraph 3) <br> What actually happens when we speak too fast? <br> A. The person hearing it will get it faster <br> B. The speaker wins an argument by speaking fast <br> C. The person hearing it has difficulty understanding it. <br> D. The speaker has the unique ability to translate his thoughts into words | 1 |
| ix | Supply 1 point to justify the following: <br> "I spend two-third of the time thinking what they want to hear and one-third thinking what I want to say" | 1 |
| x | Why should we never cross the boundary while trying to be funny? <br> A. Because that can be unsatisfying for the speaker <br> B. Because that can make people uncomfortable <br> C. Because crossing boundaries can incur penalties <br> D. Because that could offend people. | 1 |
| II | Read the passage given below. | 10 |
| 1 | Both water and energy are integral parts of the human body. By weight, about $60 \%$ of an adult's human body is water and dehydration is one of the biggest single killers of children in the modern world. Life without water is unthinkable. The human body needs its daily intake of food to meet its energy requirements, which according to the Food and Agriculture Organization of the United Nations is about $1,800 \mathrm{kcal}$ per day. Life without energy is equally unthinkable. |  |
| 2 | The energy that we take in through food again depends, amongst other things, on the water for agriculture, and often that water is pumped with electrical or other forms of energy. The interdependence of energy and water is evident. |  |


| 3 | The world at large seeks both water and energy security. The Worldwatch Institute estimates that about 1.1 billion people (one-fifth of the world population) live in areas of physical water scarcity and another 1.6 billion are facing economic water shortage (when existing water sources cannot be used because of a lack of investment in water-related infrastructure). We will probably have a world population of 9 billion by 2050 and this will put further stress on the water sourcing and supply systems. Here again the connection between energy and water is evident: globally about $70 \%$ of water consumption is for the agricultural sector. No water, no food, no energy. |
| :---: | :---: |
| 4 | Actions needed on the waterfront include a reduction in water usage for agriculture: pump efficiencies, drip irrigation instead of flood irrigation, change in crop patterns, recycling of water, extensive rainwater harvesting programmes, stoppage of run-offs and water pollution. We need to remind ourselves that the fossil-based energy that we rely on so much for almost everything we do is stored solar energy. And while the sun took over 150 million years to store its energy in the form of fossil fuels, we are busy discharging that huge solar battery in a matter of a few hundred years. |
|  | Based on your understanding of the passage, answer the questions given below. |
| i | Infer one reason for the following, based on information in paragraph 1. <br> Biggest single killers of children in the modern world. |
| ii | Select the appropriate option to fill in the blanks. <br> From paragraph 2, The interdependence of $\qquad$ and. $\qquad$ is evident. <br> 1. food <br> 2. stress <br> 3. energy. <br> 4. pollution <br> 5. water. <br> A. $1 \& 3$ <br> B. $2 \& 4$ <br> C. $3 \& 5$ <br> D. $1 \& 4$ |
| iii | Complete the following analogy correctly with a word/ phrase from paragraph 1: <br> water: dehydration:: $\qquad$ : starvation <br> (Clue: Just like water shortage causes dehydration , similarly $\qquad$ shortage causes starvation) |


| iv | Select the correct option to complete the following sentence: | $\mathbf{1}$ |
| :---: | :--- | :---: |
| 1.6 billion are facing economic water shortage means that : <br> (Paragraph 3) | A. existing water sources cannot be used because of a lack of interest in water-related <br> infrastructure <br> B. existing water sources cannot be used because of a lack of investment in water-related <br> infrastructure <br> C. we need to invest in the repair of water-related infrastructure <br> D. existing water resources need to be replaced with new water resources. |  |


| v | By weight, an adult human body contains about $\qquad$ water. <br> A. $60 \%$ <br> B. $65 \%$ <br> C. $70 \%$ <br> D. $75 \%$ | 1 |
| :---: | :---: | :---: |
| vi | Fill in the blank by selecting the correct option. $\qquad$ will put further stress on the water sourcing and supply systems by 2050. <br> A. Degradation of water resources <br> B. Lack of water resources <br> C. Increase in world population. <br> D. Decrease in world population | 1 |
| vii | Substitute the word 'shortage' with ONE WORD similar in meaning, in the following, sentence from paragraph 3: <br> In the Third World land shortage among the poor is due to skewed ownership, not an overload of people | 1 |
| viii | List any 2 actions needed on the waterfront as mentioned in Para 4. | 1 |
| ix | Globally, what percentage of water consumption is for the agricultural sector? |  |
| $\mathbf{x}$ | Select the option that titles paragraphs 1,3 and 4 appropriately, with reference to information in the text. <br> (A) <br> (B) <br> (C) <br> (D) | 1 |


| II | SECTION B -GRAMMAR |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Attempt ANY TEN of the following questions. |  |  | 10 |
| i | Fill in the blank by choosing the correct option to complete an online update. <br> The air pollution control comment by an activist $\qquad$ on social media yesterday. <br> A. explode <br> B. exploded <br> C. is explode <br> D. will be exploded |  |  | 1 |
| ii | Read the conversation between a teacher and her student. Complete the sentence by reporting the student's reply correctly. <br> Teacher: Do you have somebody at home to guide you with studies? <br> Student: Yes, my elder sister helps me out. <br> The teacher, while trying to figure out her student's low grades, asked if he had anybody to guide him at home, to which, the student affirmed $\qquad$ -. |  |  | 1 |
| iii | Select the correct option to fill in the blank for the given line, from a mental health magazine. <br> A person with a fragile ego $\qquad$ take anything you say personally. <br> A. must <br> B. should <br> C. would. <br> D. ought to |  |  | 1 |
| iv | Select the option that identifies the error and supplies the correction for the following line, from a news report: <br> In India, a death toll due to road accident has increased drastically. |  |  | 1 |
|  | Option no. | error | correction |  |
|  | A. | a | the |  |
|  | B. | to | for |  |
|  | C. | has | have |  |
|  | D. | increased | increase |  |


| v | Complete the given sentence, by filling in the blank with the correct option: <br> There is going to be a bus strike. Everyone $\qquad$ for auto rickshaws and rickshaws next week. | 1 |
| :---: | :---: | :---: |
|  | A. will looked <br> B. should look <br> C. will be looking <br> D. look |  |
| vi | Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter: <br> Subject: Request for transfer <br> Dear Sir <br> This is to respectfully $\qquad$ (submit) that my husband has been transferred to Pune. Therefore, I humbly request you to transfer me to Pune as well. | 1 |
| vii | Report the dialogue between a father and his son, by completing the sentence: <br> Father: What do you like the most about your mother? <br> Son: She is always there to help us in difficulty. <br> In response to the question about his mother, son says that | 1 |
| viii | Identify the error in the given sentence, from a science journal and supply the correction. <br> Comment on papers in Science should add a dimension to the research and not merely be a summary of the experiments describe in the paper. <br> Use the given format for your response. | 1 |
| ix | Aarushi shared some information, with Aftab, about a car she recently bought. Report Aftab's'squestion. <br> Is the car new or second-hand? | 1 |
| x | Fill in the blank by choosing the correct option, to complete the slogan about Road Safety. <br> THE BEST DRIVERS ARE AWARE THAT THEY $\qquad$ BE BEWARE <br> A. WILL <br> B. MAY <br> C. MUST <br> D. CAN | 1 |


| xi | Select the correct option to complete the narration of the dialogue between Raman and Tanu. <br> Raman: I'm really looking forward to the class picnic tomorrow. <br> Tanu: Yes, after a long time we will be meeting our friends and teachers. <br> Raman told Tanu that he was really looking forward $\qquad$ . Tanu agreed that after a long time they will be meeting their friends and teachers. <br> A. for the class picnic the very next day. <br> B. to the class picnic tomorrow. <br> C. to the class picnic the next day. <br> D. to the class picnic the very next day. | 1 |
| :---: | :---: | :---: |
| xii | Identify the error on a notice board of a school about celebration of Annual Day and supply the correction: <br> The School Annual Day can be celebrated on 15th November - 2022, 10 a.m. onwards. This day will be celebrated as our Silver Jubilee and so special cultural show is being organized. | 1 |
| IV | SECTION B -CREATIVE WRITING SKILLS | 10 |
| All the names and addresses used in the questions are fictitious. Resemblance, if any, is purely coincidental. |  |  |
| 1. | Attempt ANY ONE from A and B given below. | 5 |
| A. | Childhood is the time when adequate nutrition is very essential for healthy growth. Improper diet in this age may result in heart disease, cancer, osteoporosis and diabetes later on. Based on the following picture in a newspaper showing the difference between healthy and unhealthy food items for children, write a descriptive paragraph on Healthy Life-Style for Children in about 100-120 words. |  |


|  | OR |  |
| :--- | :--- | :--- |
| B. | Your best friend helped you in the time of need before your exam. Write a descriptive <br> paragraph on 'My Best Friend' in about 100-120 words based on the following cues. <br> Input : name - where he lives - parents/ family - nature - qualities - habits - behaviour <br> towards others - your feeling about him/her - How he/she helped you - gratitude towards <br> him/her. |  |
| 2. | Attempt ANY ONE from A and B givenbelow. |  |
| A. | You are Neha/Namit. Today is your birthday and your father has gifted you a laptop. You <br> are very happy to own it as you wanted to have it for a long time. Before going to bed you <br> intend to share your joy with your diary. Write a diary entry in 100-120 words expressing <br> your feeling. |  |
| B. | Write a story in 100 to 120 words with the help of the given outline. Also, give a <br> suitable title for the story. <br> A young man in a very rich family was very worried about his obesity. His weight was <br> increasing with the passage of time. He got it treated by many doctors but no one was <br> able to solve his problem. Everyone would prescribe medicine and advise to eat them for <br> months ............. |  |


|  | SECTION C LITERATURE | 40 |
| :---: | :---: | :---: |
| V | Reference to the Context | 10 |
| 1 | Attempt ANY ONE of two extracts given. | 1x5=5 |
| 1.A | The girl was given the name 'Santosh', which means contentment. But Santosh was not always content with her place in a traditional way of life. She began living life on her own terms from the start. Where other girls wore traditional Indian dresses, Santosh preferred shorts. Looking back, she says now, "From the very beginning I was quite determined that if I chose a correct and a rational path, the others around me had to change, not me." <br> (Reach for the Top) |  |
| i. | What does the word 'Santosh' mean? <br> A. Excitement. <br> B. Satisfaction. <br> C. Happiness. <br> D. Submission. | 1 |
| ii. | Was Santosh content with her place in a traditional way of life? Give one reason. | 1 |
| iii. | Fill in the blank with ONE WORD only. <br> Santosh's $\qquad$ trait is exhibited when she preferred to wear shorts when other girls wore traditional Indian dresses. | 1 |
| iv. | "She began living life on her own terms from the start" What does this statement mean? <br> A. She made her own rules to live by <br> B. She became rebellious and was thrown out <br> C. She renounced everything and made new rules <br> $D$. She started living life king size | 1 |
| v. | What quality of Santosh is mentioned here? <br> A. She changed herself according to the people. <br> B. She was a happy go lucky person. <br> C. She had traditional beliefs. <br> D. She was determined | 1 |
| OR |  |  |
| 1.B | The doctor said "Johnsy, it seems, has made up her mind that she is not going to get well. If she doesn't want to live, medicines will not help her." <br> Sue tried her best to make Johnsy take an interest in things around her. She talked about clothes and fashions, but Johnsy did not respond. Johnsy continued to lie still on her bed. |  |


|  | Sue brought her drawing-board into Johnsy's room and started painting. To take <br> Johnsy's mind off her illness, she whistled while working. <br> (The Last Leaf) |
| :--- | :--- | :--- |


| i. | What exactly had happened to Johnsy? <br> A. She had met an accident. <br> B. She suffered from paralysis and could not move. <br> C. She was suffering from Pneumonia. <br> D. She was suffering from clinical depression. | $\mathbf{1}$ |
| :---: | :--- | :---: |
| ii. | Complete the analogy by selecting the suitable word from the text <br> Happy: Healthy:: Gloomy: |  |
| iii. | Why did the doctor say, "If she doesn't want to live, medicines will not help her." | $\mathbf{1}$ |
| Because - <br> A. Johnsy had lost all hope to get better. <br> B. Johnsy's illness could not be treated with medicines. <br> C. The doctor was not interested in treating Johnsy . <br> D. Sue was not helping Johnsy to get better. | $\mathbf{1}$ |  |
| iv. | According to the extract, what was Sue trying to do by talking about clothes and <br> fashion and starting painting in front of Johnsy? |  |
| 1. To distract Johnsy <br> 2. To make Johnsy interested in painting <br> 3. To motivate Johnsy to get better <br> 4. To be more friendly with Johnsy | $\mathbf{1}$ |  |
| Select the correct option. <br> A. 1 \& 3 <br> B. $2 \& 4$ <br> C. Only 3 <br> D. Only 4 |  |  |


| v. | List any two things that Sue did to make Johnsy take an interest in things around her : <br> i) $\qquad$ <br> ii) $\qquad$ | 1 |
| :---: | :---: | :---: |
| 2 | Attempt ANY ONE of two extracts given. | $1 \times 5=5$ |
| 2.A | No, The root is to be pulled out - <br> Out of the anchoring earth; <br> It is to be roped, tied, <br> And pulled out - snapped out Or pulled out entirely, <br> Out from the earth-cave, <br> And the strength of the tree exposed <br> The source, white and wet, <br> The most sensitive, hidden <br> For years inside the earth. <br> (On Killing a Tree) |  |
| i. | The root of the tree is to be pulled out of the anchoring earth. <br> Replace the underlined word with a word similar in meaning. | 1 |
| ii. | How does the earth give protection to the tree? <br> A. It anchors the tree and keeps it firmly standing. <br> B. It provides soil to the tree <br> C. It provides air to the tree <br> D. It provides space to the tree to grow | 1 |
| iii. | State whether the following statement is TRUE or FALSE: <br> To kill a tree, it has to be pulled out entirely from the earth. | 1 |
| iv. | Select the appropriate option to complete the sentence, according to the extract. <br> The idea that the tree is like a living being and not easy to kill is : <br> A. unnatural <br> B. scary <br> C. thoughtful <br> D. interesting | 1 |


| v. | According to the extract, what is the most sensitive source of the tree? <br> A. The roots <br> B. The leaves <br> C. The stems <br> D. The bark | 1 |
| :---: | :---: | :---: |
| OR |  |  |
| $2 . \mathrm{B}$ | And being faint with fasting, For the day was almost done, He asked her, from her store of cakes, To give him a single one. <br> So she made a very little cake, But as it baking lay, She looked at it, and thought it seemed Too large to give away. |  |
| i. | Who is 'he' in the extract? <br> A. The poet <br> B. The woodpecker <br> C. Saint Peter <br> D. The beggar | 1 |
| ii. | According to the extract, why was Saint Peter about to faint? | 1 |
| iii. | How did the woman provoke Saint Peter? <br> A. By cursing Saint Peter <br> B. By not giving any cake to Saint Peter <br> C. By giving a burnt cake to Saint Peter <br> D. By not listening to preaching of Saint Peter | 1 |
| iv. | Complete the analogy about the old lady. large: small :: $\qquad$ : generous | 1 |
| v | What thought occurred to the woman while the cake was being baked? <br> A. That she should bake something else for Saint Peter <br> B. That she should make another cake <br> C. That the cake was too big to give away <br> D. That the cake was too small to give away | 1 |


| VI | Answer ANY FOUR of the following in about 40-50 words each. | 4*3=12 |
| :---: | :---: | :---: |
| i. | What were the skills developed by Santosh to become a good mountaineer? <br> (Reach for the Top) | 3 |
| ii. | "fed by peaceful harvests, by war's long winter starv'd" <br> Explain why does the poet call harvests 'peaceful' and war as 'winter'? <br> (No Men Are Foreign) | 3 |
| iii. | What made the atmosphere in and around the Pashupatinath temple full of 'febrile confusion'? Explain <br> (Kathmandu) | 3 |
| iv. | What is the actual realization of the poet as mentioned in the poem, 'A Slumber Did my Spirit Seal'? | 3 |
| v. | How did Gerrard convince the Intruder that his plan would fail? Explain <br> (If I Were You) | 3 |
| VII | Answer ANY TWO of the following in about 40-50 words each. | $2 * 3=6$ |
| i. | Why did the writer feel awkward during his first year of high school? Explain <br> (A House is Not a Home) | 3 |
| ii. | Did Lushkoff become a beggar by circumstance or by choice? What reasons does he give Sergei for lying? <br> (The Beggar) | 3 |
| iii. | Why did the courtiers call the prince the 'Happy Prince'? Was he really happy? What does he see all around him? <br> (The Happy Prince) | 3 |
| VIII | Answer ANY ONE of the following in about 100-120 words. | 1*6=6 |
| i. | Describe the incident at Kalam's school days when a new teacher shifted him to the back row. What followed this incident? <br> Teachers can either 'make' or 'break' their students' lives. Cite incidents from "My Childhood" to prove the truth of this statement | 6 |
| OR |  |  |
| ii. | Hatred, jealousy and misdeeds are the dangerous pollutants of our own Earth. Discuss with reference to the poem "No Men are Foreign". How does the poet reminds us of the many ways in which we are all the same? | 6 |
| IX | Answer ANY ONE of the following in about 100-120 words. | 1*6=6 |
| i. | Johnsy could not get better despite the efforts made by the doctor and her friend Sue's assistance and help. Discuss and elaborate the negative feelings that keep one ailing and also discuss the values which remove such feelings and infuse a person with a desire to live. | 6 |


| ii. | OR |  |
| :--- | :--- | :---: |
| Why does the author say so? Had the author gone anywhere? Why does he say that he is <br> also back? Explain in the context of the chapter "A House is not a Home" | $\mathbf{6}$ |  |

# ST. PBN PUBLIC SCHOOL ANNUAL EXAMINATION CLASS-IX <br> SCIENCE-086 <br> SAMPLE PAPER 

## TIME: 3 HRS.

M.M.: 80

General Instructions:
i. This question paper consists of 39 questions in 5 sections.
ii. All questions are compulsory. However, an internal choice is provided in some questions. A student is expected to attempt only one of these questions.
iii. Section A consists of 20 objective type questions carrying 1 mark each.
iv. Section B consists of 6 Very Short questions carrying 02 marks each.

Answers to these questions should in the range of 30 to 50 words.
v. Section C consists of 7 Short Answer type questions carrying 03 marks each. Answer to these questions should in the range of 50 to 80 words
vi. Section D consists of 3 Long Answer type questions carrying 05 marks each. Answer to these questions should be in the range of 80 to 120 words.
vii. Section E consists of 3 source-based/case-based units of assessment of 04 marks each with sub-parts.

## SECTION-A

1. A cell " $X$ " contains a cell wall, large central vacuole and a nucleus at the periphery. The cell " $X$ " is $\qquad$ .
(a) Plant cell
(b) Animal cell
(c) Bacterial cell
(d) Prokaryotic cell
2. Which of the following statements is correct?
(a) Prokaryotic cells are surrounded by a cell membrane
(b) Prokaryotic cells have a nucleus
(c) Eukaryotic cells are very small in size
(d) Eukaryotic cells have membrane-bound organelles
3.The Nodes of Ranvier are found in:
(a) Nerve cell (b) Heart cell(c) Liver cell (d) All of above
3. Which of the following statements are correct about meristematic tissues?
(a) Composed of cells that are incapable of cell division
(b) Composed of a single type of cell
(c) It is composed of cells that are able to perform cell division
(d) All the above
5.Find out the wrong statement from the following.
(a)White revolution is meant for increase in milk production
(b)Blue revolution is meant for increase in fish production
(c)Increasing food production without compromising with environmental quality is called as sustainable agriculture
(d) None of above
4. From the given $v-\mathrm{t}$ graph, it can be inferred that the object is

(a) in uniform motion
(b) at rest
(c) in non-uniform motion
(d) moving with uniform acceleration
5. A water tank filled upto $2 / 3$ of its height is moving with a uniform speed. On sudden application of the brake, the water in the tank would
(a) Move backward
(b) Move forward
(c) Come to the rest
(e) Be unaffected
6. A girl is carrying a school bag of 3 kg mass on her back and moves 200 m on a levelled road. The work done against the gravitational force will be $\left(\mathrm{g}=10 \mathrm{~ms}^{2}\right)$
(a) $6 \times 10^{3} \mathrm{~J}$
(b) 6 J
(c) 0.6 J
7. The value of quantity G in the law of gravitation
(a) depends on mass of Earth only
(b) depends on radius of Earth only
(c) depends on both mass and radius of Earth
(d) is independent of mass and radius of the Earth
8. Two particles are placed at some distance. If the mass of each of the two particles is doubled, keeping the distance between them unchanged, the value of gravitational force between them will be
(a) $1 / 4$ times
(b) 4 times
(c) $1 / 2$ times
(d) unchanged
9. Which one of the following set of phenomena would increase on raising the temperature?
(a) Diffusion, evaporation, compression of gases
(b) Evaporation, compression of gases, solubility
(c) Evaporation, diffusion, expansion of gases
(d) Evaporation, solubility, diffusion, compression of gases
10. What is the name of the metal which exists in liquid state at room temperature?
(a) Sodium
(b) Potassium
(c) Mercury
(d) Bromine
11. Heterogeneous mixture in which the solute particles do not dissolve and remain suspended throughout the solvent and the solute particles can be seen with the naked eye is known as:
(a) Colloidal solution
(b) Super saturated solution
(c) Sublimation
(d) Suspensions
12. The formula of a chloride of a metal M is $\mathrm{MCl}_{3}$, the formula of the phosphate of metal M will be
(a) $\mathrm{MPO}_{4}$
(b) $\mathrm{M}_{2} \mathrm{PO}_{4}$
(c) $\mathrm{M}_{3} \mathrm{PO}_{4}$
(d) $\mathrm{M}_{2}\left(\mathrm{PO}_{4}\right)_{3}$
13. An element has electronic configuration 2,6 ; the element is
(a) Carbon
(b) Nitrogen
(c) Oxygen
(d) Fluorine

ASSERTION-REASONS (Q.NO. 16 to 21)
Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:
(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
(b) Both assertion $(A)$ and reason $(R)$ are true but reason $(R)$ is not the correct explanation of assertion (A).
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.
16. Assertion: Different crops require different photoperiods

Reason: Photoperiod means duration of light
17Assertion: Most of plant tissues are dead.
Reason: Due to sedentary existence of plants, dead cells provide mechanical strength to plants more easily than live ones.
18.Assertion : the speedometer of a car measures the instantaneous speed of the car.

Reason : Average speed is equal to the total distance covered by an object divided by the total time taken.
19. Assertion : Watt hour has units of energy.

Reason : Kilowatt hour ( kW h ) is the unit of electric power.
20. Assertion : Napthalene does not leave any residue when kept open for some time.

Reason : The conversion of a solid directly into gas is called condensation.

## SECTION - B

VERY SHORT QUESTIONS (2 marks)
21. Z ${ }^{\text {A }}$ What does this symbol represent?
22. Find the molecular mass of $\mathrm{H}_{2} \mathrm{O}$.
23. What is atomicity? What is the atomicity of phosphorus and nitrogen?
24. Which of them has more inertia a five - rupees coin and a one-rupee coin?
25. Suppose gravity on Earth suddenly becomes zero then in which direction will the moon begin to move if no other celestial body affects it?
26. Define 1 watt of power.

## SECTION-C <br> (Short Questions)

27.(a) In what way, use of manure is good for environment than fertilizer?
(b) What are genetically modified crops? Are they really beneficial?
28. (a)Mitochondria are known as energy currency of cell, why ?
(b) How does plant cell differ from animal cell ?
29. A bus starting from rest moves with a uniform acceleration of $0.1 \mathrm{~ms}^{-2}$ for 2 minutes. Find (a) the speed acquired, (b) the distance travelled.
30. Certain force acting on a 20 kg mass changes its velocity from $5 \mathrm{~m} \mathrm{~s}^{-1}$ to $2 \mathrm{~m} \mathrm{~s}^{-1}$.

Calculate the work done by the force.
31. Give any three differences between three sub-atomic particles.
32.(a) Convert the following temperatures to the Celsius scale (i) 293 K (ii) 470 K .
(b)Give reason for the following observations.
(i) Naphthalene balls disappear with time without leaving any solid.
(ii) We can get the smell of perfume sitting several meters away.
33. (a) Why does an object float or sink when placed on the surface of water?
(b) The volume of 50 g of a substance is $20 \mathrm{~cm}^{3}$. If the density of water is $1 \mathrm{~g} / \mathrm{cm}^{3}$, will the substance float or sink?

## SECTION-D (Long Questions)

34.(a) Briefly describe striated \& unstriated muscles with the help of well labelled diagram.
(b) Broilers \& Layers equally important for farmers, write different management practices adopted by farmers for keeping them.
35.(a) Describe an activity to demonstrate endosmosis and exosmosis. Draw a diagram also.
(b) Why are xylem \& phloem called complex tissues? Differentiate between them.
36.(a) Identify the dispersed phase and dispersing medium in the following colloids.
(i) Milk
(ii) Clouds
(b) Name A,B,C,D,E and F in the following diagram showing change in its state and define each process.


## CASE BASED QUESTION

37. A homogeneous mixture of two or more substances called a true solution. it consists of solute and solvent. The particle size of true solution in less than 1 nanometer. A suspension is a heterogeneous mixture in which the solute particle does not dissolve but remain suspended throughout the bulk of the medium. A colloid is a mixture that is
actually heterogeneous but appears to be homogeneous as the particles are uniformly spread throughout the solution.
(a). Which one of the following is most stable?
(i)True solution
(ii)Suspensions
(iii) Colloid
(iv) both (i) and (ii)
(b). Which type of mixture can be separated by filtration?
(i)True
(ii)Suspensions
(iii)Colloids
(iv)All of these
(c). Which statement is incorrect about Tyndall effect?
(i)True solution show Tyndall effect (ii)Suspensions show Tyndall effect
(iii)Colloid show Tyndall effect (iv)Both B and C show Tyndall effect
(d). Which is the correct order of stability of solution ?
(i) True < Colloid $<$ Suspension
(iii)Colloid<True<Suspension
(ii)Colloid<Suspension<True
38. The second law of motion is quantitative expression of force and it states that the rate of change of momentum of an object is proportional to the applied unbalanced force in the direction of force. Mathematically, $\mathrm{F}=\mathrm{ma}$, the unit of force is $\mathrm{kg}-\mathrm{m} / \mathrm{s}^{2}$ or Newton, which has the symbol N . The second law of motion gives us a method to measure the force acting on an object as a product of its mass and acceleration. Answer the following questions.
(i) SI unit of force is
(a) Newton
(b) $\mathrm{Kg}-\mathrm{m} / \mathrm{s}^{\mathrm{s}}$
(c) Both a and b
(d) None of the above
(ii) The quantitative expression of force is given by
(a) First law of motion
(b) Second law of motion
(c) Third law of motion
(d) None of the above
(iii) State second law of motion. State whether it is scalar or vector quantity
(iv) Differentiate between first law and second law of motion.

39 Cattle husbandry is done for two purposes - milk and draught labour for agricultural work such as tilling, irrigation and carting. Indian cattle belong to two different species, Bosindicus, cows, and Bosbubalis, buffaloes. Milk-producing females are called milch animals (dairy animals), while the ones used for farm labour are called draught animals.

Milk production dependson the duration of the lactation period, meaning the period of milk production after the birth of a calf. So, milk production can be increased by increasing the lactation period. Exotic or foreign breeds (for example, Jersey, Brown Swiss) are selected for long lactation periods, while local breeds (for example, Red Sindhi, Sahiwal) show excellent resistance to diseases. The two can be cross-bred to get animals with both the desired qualities.

Proper cleaning and shelter facilities for cows and buffaloes are required for humane farming, for the health of the animals and for production of clean milk as well. The food requirements of dairy animals are of two types: (a) maintenance requirement, which is the
food required to support the animal to live a healthy life, and (b) milk producing requirement, which is the type of food required during the lactation period.

Cattle suffer from a number of diseases. The diseases, besides causing death, reduce milk production. The external parasites live on the skin and mainly cause skin diseases. The internal parasites like worms, affect stomach and intestine while flukes damage the liver.
(1) Identify the exotic breed of cow
(a) Red Sindhi
(b) Sahiwal
(c) Brown Swiss
(d) All of the above
(2) Milk-producing females are termed as
(a) Milch animals
(b) Dairy animals
(c) Draught animals
(d) Both a \& b
(3) Enlist any two Indian cattle species.
(4) What are the food requirements of dairy animals?

# St. PBN PUBLIC SCHOOL ANNUAL EXAMINATION <br> CLASS - IX <br> MATHEMATICS <br> SAMPLE PAPER 

## TIME: 3 Hours

NAME: $\qquad$

## DATE:

$\qquad$

## General Instructions:

- Section A consists of 20 questions of 1 mark each.
- Section B consists of 5 questions of 2 marks each.
- Section C consists of 6 questions of 3 marks each.
- Section D consists of 4 questions of 5 marks each.
- Section E has 3 case based integrated units of assessment(04 marks each) with sub parts of the value 1,1 and 2 marks each respectively.


## Section A

1. Decimal representation of a rational number cannot be
(i) Terminating
(iii) non-terminating
(ii) Non-terminating repeating
(iv) non terminating and non-repeating.
2. Which of the following is an irrational number?
(i) $2 . \overline{5}$
(iii) 2.477
(ii) $\pi$
(iv) $1.2 \overline{77}$.
3. If $p(x)=x^{3}+2 x+1$ is divided by $x-2$ then the remainder is
(i) 13
(iii) 12
(ii) 10
(iv) None of these
4. If $(\mathrm{x}+1)$ is a factor of the polynomial $\mathrm{p}(\mathrm{x})=2 \mathrm{x}^{2}+\mathrm{kx}$, then $\mathrm{k}=$
(i) -3
(iii) 3
(ii) 4
(iv) 2
5. A point both of whose coordinates are negative lies in the
(i) First quadrant
(iii) third quadrant
(ii) Second quadrant
(iv) forth quadrant
6. $x=5, y=2$ is a solution of the linear equation
(i) $x+2 y=7$
(iii) $\mathrm{x}+\mathrm{y}=7$
(ii) $5 x+2 y=7$
(iv) $5 x+y=7$
7. Angles of a triangle are in the ratio $2: 4: 3$. The smallest angle of the triangle is
(i) $60^{\circ}$
(iii) $80^{\circ}$
(ii) $40^{\circ}$
(iv) $20^{\circ}$
8. Two sides of a triangle are of lengths 5 cm and 1.5 cm . The length of the third side of the triangle cannot be
(i) 3.6 cm
(iii) 4.1 cm
(ii) 3.8 cm
(iv) 3.4 cm
9. In quadrilateral ABCD , if $\angle \mathrm{A}=60^{\circ}$ and $\angle \mathrm{B}: \angle \mathrm{C}: \angle \mathrm{D}=2: 3: 7$, then $\angle \mathrm{D}=$
(i) $175^{\circ}$
(iii) $150^{\circ}$
(ii) $135^{\circ}$
(iv) none of these.
10. Consecutive angles of a parallelogram are
(i) equal
(iii) complementary
(ii) supplementary
(iv) none of these
11.Longest chord of a circle is called its
(i) Radius
(iii) diameter
(ii) Secant
(iv) none of these
12.Given three non-collinear points A, B and C. The number of circle which can be drawn through these three points is
(i) two
(iii) zero
(ii) three
(iv) one
11. It is not possible to construct a triangle whose sides are
(i) $3 \mathrm{~cm}, 3 \mathrm{~cm}, 6 \mathrm{~cm}$
(iii) $15 \mathrm{~cm} .8 \mathrm{~cm}, 17 \mathrm{~cm}$
(ii) $5 \mathrm{~cm} .12 \mathrm{~cm}, 13 \mathrm{~cm}$
(iv) $3 \mathrm{~cm}, 4 \mathrm{~cm}, 5 \mathrm{~cm}$.
12. The sides of a triangle are $3 \mathrm{~cm}, 4 \mathrm{~cm}$ and 5 cm ; its area is
(i) $12 \mathrm{~cm}^{2}$
(iii) $6 \mathrm{~cm}^{2}$
(ii) $15 \mathrm{~cm}^{2}$
(iv) $9 \mathrm{~cm}^{2}$
15.The base radius of a cone is 5 cm and its height is 12 cm . Its slant height is
(i) 19.5 cm
(iii) 13 cm
(ii) 26 cm
(iv) $13 \mathrm{~cm}^{2}$
16.The perimeter of an equilateral triangle is 60 m . Its area is equal to
(i) $20 \sqrt{3} \mathrm{~m}^{2}$
(iii) $15 \sqrt{3} \mathrm{~m}^{2}$
(ii) $50 \sqrt{3} \mathrm{~m}^{2}$
(iv) $100 \sqrt{3} \mathrm{~m}^{2}$
17.A right circular cylinder has radius 3.5 cm and height 10 cm . Its volume is
(i) $385 \mathrm{~cm}^{3}$
(iii) $365 \mathrm{~cm}^{3}$
(ii) $380 \mathrm{~cm}^{3}$
(iv) none of these
18.If a point A lies in between B and C , then
(i) $\mathrm{BD}=\frac{1}{2} \mathrm{AC}$
(iii) $\mathrm{AC}=\mathrm{BC}$
(ii) $\mathrm{AC}=2 \mathrm{BC}$
(iv) $\mathrm{AB}+\mathrm{AC}=\mathrm{BC}$

## ASSERTION -REASON BASED QUESTIONS

In the following questions, a statement of Assertion(A) is followed by a statement of Reason(R).
Choose the correct answer out out of the following choices.
a) Both $(A)$ and $(R)$ are true and $(R)$ is the correct explanation of (A).
b) Both $(\mathrm{A})$ and $(\mathrm{R})$ are true and $(\mathrm{R})$ is not the correct explanation of $(\mathrm{A})$.
c) (A) is true but (R) is false.
d) (A) is false but (R) is true.
19.Assertion(A): Everything equal to itself.

Reason(R): Things which coincide with one another are equal to one another.
20. Assertion(A): The area of an isosceles triangle with base a and each of the equal sides equal to 13 cm is $60 \mathrm{~cm}^{2}$.
Reason $(\mathrm{R})$ : The area of an isosceles triangle with base a and each equal side b is
$\frac{b}{4} \sqrt{4 a^{2}-b^{2}}$.

## Section B

21. Show that $0.6666 \ldots=0 . \overline{6}$ can be expressed in the form $\frac{p}{q}$, where p and q are integers and $\mathrm{q} \neq 0$.
22.Locate the points $(5,0),(0,5),(2,5),(-3,5)$ in the Cartesian plane.
22. In given figure, if $\mathrm{AB} \| \mathrm{CD}, \angle \mathrm{APQ}=50^{\circ}$ and
$\angle P R D=127^{\circ}$, find $x$ and $y$.

24.Prove that equal chords of a circle subtend equal angles at the centre.
23. Find the total surface area of a hemisphere of radius 10 cm .(Use $\pi=3.14$ )

## Or

Find the volume of the right circular cone with radius 6 cm and height 7 cm .

26.Simplify (i) $64^{\frac{1}{2}}$ (ii) $32^{\frac{2}{5}} \quad$| Section $C$ |
| :--- | :--- |
| $7^{\frac{1}{2}} 8^{\frac{1}{2}}$ |

27.Find the remainder when $x^{3}-a x^{2}+6 x-a$ is divided by $x-a$.
28. The taxi fare in city is as follows: For the first two kilometer, the fare is Rs. 8 and for the subsequent distance is is Rs. 5 per km . taking the distance covered as x km and total fare as Rs. $y$, write a linear equation for this information and draw its graph.
29. Does Euclid's fifth postulate imply the existence of parallel lines? Explain.
30. $\triangle \mathrm{ABC}$ is an isosceles triangle in which $\mathrm{AB}=\mathrm{AC}$.

Side $B A$ is produced to $D$ such that $A D=A B$ (see fig).
Show that $\angle B C D$ is a right angle.
31. Sanya has a piece of land which is in the shape of a rhombus (see figure). She wants her one daughter and one son to work on the land and produce different crops. She divided the land in two equal parts. If the perimeter of the land is 400 m and one of the diagonal is 160 m , how much area each of them will get for their crops?


## Section D

32.Evaluate the following using suitable identities
(i)
$(99)^{3}$
(ii) $(102)^{3}$

## Or

Give possible expression for the length and breadth of each of the following rectangles, in which areas are given:
(i) Area: $25 \mathrm{a}^{2}-35 \mathrm{a}+12$
(ii) Area: $35 y^{2}+13 y-12$
33. Show that the bisectors of angles of a parallelogram form a rectangle.
34. The capacity of a cuboidal tank is 50000 litres of water. Find the breadth of the tank, if the length and depth are respectively 2.5 m and 10 m .

Or
The diameter of the moon is approximately one fourth of the diameter of the earth. Find the ratio of their surface area.
35. The following table gives the distribution of students of two sections according to the marks obtained by them:

| SECTION A |  | SECTION B |  |
| :---: | :---: | :---: | :---: |
| Marks | Frequency | Marks | Frequency |
| $0-10$ | 3 | $0-10$ | 5 |
| $10-20$ | 9 | $10-20$ | 19 |
| $20-30$ | 17 | $20-30$ | 15 |
| $30-40$ | 12 | $30-40$ | 10 |
| $40-50$ | 9 | $40-50$ | 1 |

Represent the marks of the students of both the sections on the same graph by two frequency polygons. From the two polygons compare the performance of the two sections.

## SECTION E

## 36.Case Study I:

A quadrilateral ABCD in which $\mathrm{AB}=3 \mathrm{~cm}, \mathrm{BC}=4 \mathrm{~cm}, \mathrm{CD}=4 \mathrm{~cm}, \mathrm{DA}=5 \mathrm{~cm}$ and $\mathrm{AC}=5 \mathrm{~cm}$.
i). Find the semi perimeter of triangle $A B C$.
ii). Find the semi perimeter of triangle $A D C$.
iii). Find the area of quadrilateral of ABCD .

## 37.Case Study II:

The sides of a rectangular park are 80 m and 90 m respectively. A small triangular area of side $8 \mathrm{~m}, 10 \mathrm{~m}$ and 6 m respectively is to be left out at the four corners of the park for growing flowering plants. The remaining area is be planted with natural grass.

i). What is the area of the rectangular garden?
ii). Find the area used for growing flowering plants.
iii). If the cost of planting the flowering plant is ₹ 75.50 per $m^{2}$, then find the total cost of planting the flowering plants.

## 38.Case Study III:

Anil went to buy some vegetables, he bought ' $x$ ' kgs. of tomato and ' $y$ ' kgs. of potato. The total cost of vegetables comes out to be of Rs. 200. Now if the cost of 1 kg of tomato is Rs. 50 and 1 kg of potato is Rs. 20, then answer the following questions.
i). If Anil bought ' $x$ ' kgs of tomato and 2.5 kgs . of potato, then find the value of ' $x$ '.
ii). If Anil bought ' 2 ' kgs of tomato and ' y ' kgs of potato, then find the value of 'y'.
The graph of $5 x+2 y=20$ cuts $x$-axis at the point.

# ST. PBN PUBLIC SCHOOL <br> CLASS -IX <br> ANNUAL EXAMINATION <br> SOCIAL SCIENCE <br> SAMPLE PAPER 

TIME DURATION: 3 Hrs.
M.M. 80

## General Instructions:

1. Answer all the questions. Some questions have internal choice.
2. Section A questions 1 to 20 objective type questions carrying 1 mark each.
3. Section-B very short answer type questions carrying 2 marks each.
4. Section- C Short answer type questions carrying 3 marks each.
5. Section-D Long answer type questions carrying 5 marks each.
6. Section -E Case based questions carrying 4 marks each.
7. Section-F Map-based questions carrying 5 marks with two parts.
Q. 1 Napolean Bonaparte was finally defeated in the battle of
a) Versaillesin 1815
c) Waterloo in 1815
b) Bordeaux in 1815
d) Nantes in 1815
Q. 2 Russian Revolution of 1917 is also known as
a) October Revolution
b) February Revolution
c) Socialist Revolution
d) November Revolution
Q. 3 Nazi killing operations came to be known as
a) Deadly operations
b) Holocaust
c) Mass execution
d) Final solution
Q. 4 Which of the following is not a local name of shifting cultivation?
a) jhum
b) kharif
c) tavy
d) milpa
Q. 5 Name the two states of India which are parts of Indian desert.
a) Gujarat and Rajasthan
b) Rajasthan and Punjab
c) Punjab and Haryana
d) Maharashtra and Rajasthan
Q. 6 The largest delta in the world is
a) Ganga delta
b) Mahanadi delta
c) Sunderban delta
d) Godavari delta
Q. 7 The northern part of the western coast is called the
a) Konkan
b) Kannad plain
c) Malabar coast
d) Coromandal coast
Q. 8 Which among the following is the saline water lake?
a) Sambhar
b) Dal
c) Wular
d)Barapan
Q. 9 The river Mahanadi rises in the highlands of
a) Jharkhand
b) Rajasthan
c)Chattisgarh
d) Maharashtra
Q. 10 'ITCZ' stands for
a) Inter Tropical Climate Zone
b) International Tropical Climate Zone
c)International Terminal Convergence Zone
d)Inter Tropical Convergence Zone
Q. 11 Death rate is the number of deaths
a) per lakh persons in a year
b) per thousand persons in a year
c) per ten thousand persons in a year
d) per hundred persons in a year
Q. 12 Migration can be internal or
a) domestic
b)rural
c)international
d) urban
Q.13Assertion (A) Democracy enhances the dignity of citizens.

Reasson( R ) Democracy is based on the principle of political equality.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true, but R is not the correct explanation of A .
(c) A is true, but R is false.
(d) $A$ is false, but $R$ is true.
Q. 14 Which among the following is a directly elected house?
a) Parliament
b)Lok Sabha
c) Rajya Sabha
d) Vidhan Parishad
Q. 15 Assertion(A) Constitution says that reservations are not a violation of the Right to Equality.

Reason(R) Sometimes it is necessary to give special treatment to someone to ensure equal opportunity.
a) ) Both A and R are true and R is the correct explanation of A
b) Both A and R are true, but R is not the correct explanation of A .
(c) A is true, but R is false.
(d) A is false, but $R$ is true.
16. Assertion (A): Women are paid for their work when they enter labour market.

Reason ( R ): Women and men are paid equal wages.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true, but R is not the correct explanation of A .
(c) A is true, but R is false.
(d) $A$ is false, but $R$ is true.
17. State whether the statement True/False.

An urban poor has an income of Rs. 2,000 per month.
18. Sakal acquired a degree in $\qquad$ and found a job in a private firm.
19. Since independence, India has been aiming at:
(a) Increase in population
(b) Self-sufficiency in food grains
(c) Setting up ration shops
(d) Distributing food among poor
20. What factors improve the quality of population?
(a) Literacy rate and health
(b) Income of the people
(c) Moral values
(d) Family life

## SECTION -B VERY SHORT ANSWER QUESTIONS

Q. 21 Which step was taken by the third estate when their demand was refused?
Q.22. What was the result of First World War for Germany?

Q23 Write the difference between the longitudinal and latitudinal extent of India.
Or
Mention any two features of the Himalayan rivers.
Q. 24. What is the meaning of fair and free elections?

## SECTION-C

## SHORT TYPE ANSWER QUESTIONS

Q. 25 What is deforestation? How did cultivation expand rapidly during the colonial period? Or

Why is democracy considered the best form of government? Give any three reasons.
Q. 26 What are the major functionaries in India?
Q. 27 What are the significant features of the National Population Policy 2000?

## Or

List the ways to regulate and ensure free and fair elections.
28. State the three dimensions of poverty.

OR
What is the health status of the population in India?
29. Explain the major dimensions of food security.

## SECTION- D

LONG ANSWER BASED QUESTIONS
Q. 30 Why did Bolshevik Party accept the 'April Theses'? Give any five reasons.

Or
Distinguish between Lok Sabha and Rajya Sabha.
Q. 31 Differentiate between Western Ghats and Eastern Ghats. Or
Describe the powers and functions of the Indain Parliament.
Q. 32 What are fundamental rights? How many fundamental rights are mentioned in our constitution? Why are they important?

Or
Discuss the main functions of the Election Commission of India.
Q33. Describe five main features of Sarva Shiksha Abhiyan.

## OR

Discuss the major reasons of poverty in India.

## SECTION -E <br> CASE BASED TYPE QUESTIONS

34. Read the source given below and answer the questions that follow:

Nothing like the Bengal Famine has happened in India again. But it is disturbing to note that even today, there are places like Kalahandi and Kashipur in Orissa where famine-like conditions have been existing for many years and where some starvation deaths have also been reported. Starvation deaths are also reported in Baran district of Rajasthan, Palamau district of Jharkhand and many other remote areas during recent years. Therefore, food security is needed in a country to always ensure food.
(a) Which natural disaster is characterized by widespread deaths due to starvation and epidemics, loss of body resistance due to weakening from starvation?
(b) Who are food insecure in urban area?
(c) What do you mean by seasonal hunger? In which area it is prevalent?
35. Read the source given below and answer the question that follows:

In India ,like most other democracies in the world, these rights are mentioned in the Constitution. Some rights which are fundamental to our life are given a special status. They are called Fundamental Rights. Preamble to our Constitution talks about securing for all its citizens equality, liberty, and justice. Fundamental Rights put this promise into effect. They are an important basic feature of India's Constitution.
(a) Write the most suitable caption for the above-mentioned passage.
(b) Name any one legal right in India. (1)
(c) Why are some special rights known as fundamental rights? Which part of Indian Constitution prescribes the Fundamental Rights? (2)
36.Read the source given below and answer the question that follows:

Population density provides a better picture of the uneven distribution. Population density is calculated as the number of persons per unit area. India is one of the most densely populated countries of the world. The population density of India in the year 2011 was 382 persons per sq km. Densities vary from 1,102 persons per sq km in Bihar to only 17 persons per sq km in Arunachal Pradesh.
(a) Which is the most densely populated state of India?
(b) Give any one reason for high population of an area.
(c) What is Birth rate?
(d) Name two sparsely populated states of India.

## SECTION F <br> MAP SKILL BASED QUESTIONS

37 a.) On an outline map of the world, label the following.
(i) Russia
(ii) Italy
a.) 37 b .) On the outline map of India locate and label the following with suitable symbols.
i) Sundarbans
ii)Kaziranga National Park
iii) Western Ghats



# सेंट पी०बी०एन० पब्लिक स्कूल कक्षा नौवीं <br> विषय हिंदी वार्षिक आदर्श प्रश्न पत्र 

अ० अंक 80
अवधि 3 घंटे
सामान्य निर्देश :
इस प्रश्न पत्र के दो खंड हैं, खंड अ,और खंड ब
दोनों खंडों के उत्तर देना अनिवार्य है।
खंड 'अ' में वस्तुपूरक प्रश्न हैं।
खंड 'ब' में वर्णनात्मक प्रश्न हैं।
(खंड अ )
प्रश्न1 निम्नलिखित गद्यांशों को पढ़कर पूछे गए प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए। (5) सफलता चाहने वाले मनुष्य का प्रथम कर्त्तव्य यह देखना है कि उसकी रुचि किन कार्यों की ओर अधिक है। यह बात गलत है कि हर कोई मनुष्य हर एक काम कर सकता है। लार्ड वेस्टरफील्ड स्वाभाविक प्रवृत्तियों के काम को अनावश्यक समझते थे और केवल परिश्रम को ही सफलता का आधार मानते थे। इसी सिद्धांत के अनुसार उन्होंने अपने बेटे स्टेनहोप को जो सुस्त ढीला-ढाला, असावधान था, सत्पुरुष बनाने का प्रयास किया। वर्षों परिश्रम करने के बाद भी लड़का ज्यों का त्यों रहा और जीवन-भर योग्य न बन सका। स्वाभाविक प्रवृत्तियों को जानना कठिन भीं नहीं है। बचपन के कामों को देखकर बताया जा सकता है कि बच्चा किस प्रकार का मनुष्य होगा। प्रायः यह संभावना प्रबल होती है कि छोटी आयु में कविता करने वाला कवि, सेना बनाकर चलने सेनापति, भुट्टे चुराने वाला चोर-डाकू,पुर्जे कसने वाला मैकेनिक और विज्ञान में रुचि रखने वाला वैज्ञानिक बनेगा।जब यह बात विदित हो जाए कि बच्चे की रुचि किस काम की ओर है, तब यह करना चाहिए कि उसे उसी विषय की ऊँची शिक्षा दिलाई जाए। ऊँची शिक्षा प्राप्त करके मनुष्य अपने काम- धंधे में कम परिश्रम से अधिक सफल हो सकता है। जिनके काम-धंधे का पूर्ण प्रतिबिंब बचपन में नहीं दिखता, अपवाद ही हैं । प्रत्येक मनुष्य में एक विशेष कार्य को अच्छी तरह करने की शक्ति होती है। वह बड़ी हढढ़ और उत्कृष्ट होती है। वह देर तक नहीं छिपती। उसी के अनुकूल व्यवसाय चुनने से ही सफलता मिलती है। जीवन में यदि आपने सही कार्यक्षेत्र चुन लिया तो समझ लीजिए कि बहुत बड़ा काम कर लिया।
(1) लार्ड वेस्टरफील्ड का क्या सिद्धांत था ?
(i) परिश्रम ही सफलता का आधार है।
(ii) कविता करने वाला कवि होगा
(iii) मनुष्य एक काम कर सकता है (iv) सेना बनाकर चलने वाला सेनापति होता है
(ख) स्टेनहोप के विषय में कौन सी बात सही नहीं है ?
(i) वह सुस्त ढीला-ढाला, असावधान था
(ii) वह बड़ा होकर सत्पुरुष बन गया।
(iii) वह जीवन-भर योग्य न बना।
(iv) पिता ने अपने सिद्धांत का स्टेनहोप पर परीक्षण किया।
(ग) बालक आगे चलकर कैसा मनुष्य बनेगा इसका अनुमान कैसे लगाया जा सकता है?
$\begin{array}{ll}\text { (i) उसके बचपन के कार्यों को } & \text { (ii) उसकी चाल को देखकर }\end{array}$
(iii) उसकी बातों को सुनकर (iv) उसके पढ़ने को देखकर
(घ) सही कार्यक्षेत्र चुनने के क्या लाभ हैं ?
(i) मनुष्य को अपने कार्यों में सफलता मिलती है
(ii) मनुष्य अपने कार्यों में सफल नहीं होता
(iii) मनुष्य अपने व्यवसाय को चुन लेता है
(iv) सभी विकल्प सही हैं।
(ङ) निम्नलिखित कथन और कारण को ध्यानपूर्वक पढिए। तत्पश्चात नीचे दिए विकल्पों में से उचित विकल्प चुनकर उत्तर लिखिए।

कथन(A) : सफ़लता चाहने वाले मनुष्य को अपनी रुचि के कार्यों में उच्च शिक्षा प्राप्त करनी चाहिए।

कारण (R):उच्च शिक्षा प्राप्त कर कोई भी व्यक्ति किसी भी कार्यक्षेत्र में सफ़ल हो सकता है।
कथन (A) सही है , कारण (R) गलत है।
कथन (A) गलत है , कारण (R) सही है।
कथन $(A)$ और कारण $(R)$ दोनों सही हैं किंतु कारण $(R)$ कथन $(A)$ की सही व्याख्या नहीं करता।

कथन (A) (R) और कारण (A) (R) दोनों सही हैं तथा कारण (R) कथन (A) की सही व्याख्या करता है।
लोभ और अहंकार किसलिए जबकि एक दिन सब कुछ यहीं छोड़कर जाना है। लोभ का कोई अंत नहीं। जब सिकंदर जैसे लोग साथ नहीं ले जा पाए तो इतनी धन 3 . दिए गए प्रश्नों संपदा की लालसा करने से क्या लाभा यह एक अंधी दौड़ है, जिसमें आप कितना भी आगे निकल जाएँ, फिर भी किसी से आप पीछे रहेंगे ही और अंत में सभी कुछ यहीं छोड़कर चले जाएँगे। इसलिए ज्ञानी संत कह गए हैं। कि हमें अपनी आवश्यकताओं और कामनाओं को सीमित करना चाहिए, क्योंकि वे अंतहीन हैं और आप उसके भँवर में फँसकर अपनी सुख-शांति सब खो देंगे। यदि व्यक्ति परिग्रहरहित जीवन यापन करें, यदि वह यह मानकर चलें कि उसका कुछ नहीं है, यह तो ईश्वर की देन है और वह इसका एक अभिरक्षक या सरंक्षक है, तो वह खोने-पाने के तनाव से मुक्ति पा सकता है। गीता में कहा गया है- मैं कौन हूँ, मैं क्या लाया था, मैं क्या ले जाऊँगा। यदि हम अपने जीवन को तनावरहित और खुशहाल बनाना चाहते हैं तो हमें व्यर्थ की धन-वैभव की लालसा और लोभ छोड़कर जीवन को ईश्वर की अमानत समझकर, ईश्वर का आशीर्वाद समझकर दूसरों की भलाई करते हुए एक संरक्षक की तरह कर्त्तव्य का निर्वाह करते हुए जीवनयापन करना होगा।
(क) धन-संपदा की लालसा करने से क्यों मना किया गया है?
(i) मृत्यु के बाद सब यहीं छूट जाना है।
(ii) धन संपदा का जीवन में कोई महत्त्व नहीं होता है।
(iii) इससे जीवन में सुख-शांति आती है।
(iv) सिकंदर अपने साथ कुछ नहीं ले जा पाया था।
(ख) जीवन को तनावरहित और खुशहाल रखने के लिए क्या करना चाहिए?
(i) धन-वैभव की लालसा का त्याग
(ii) दूसरों की भलाई करते जीवन यापन
(iii) ईश्वर की भक्ति करना
(iv) ये सभी
(ग) हमें अपनी आवश्यकताओं और कामनाओं को सीमित करने को कहा गया है क्योंकि-
(i) हम अधिक धन -संपत्ति एकत्र नहीं कर सकते।
(ii) यह ज्ञानी- संतों की सलाह है।
(iii) कामनाएँ अंतहीन हैं और उनके भँवर में फ़ँसकर हम सुख-शांति सब खो देंगे।
(iv) गीता में कहा गया है- मैं कौन हूँ, मैं क्या लाया था, मैं क्या ले जाऊँगा।
(घ) लेख के अनुसार जीवन में कर्तव्य का निर्वाह कैसे करना चाहिए?
(i) स्वयं को अधिकारी मानकर स्वामी की तरह।
(ii) जीवन को ईश्वर की देन मानते हुए संरक्षक की तरह।
(iii) बहुत सारी धन-संपत्ति एकत्र करके।
(iv) अपनी सभी इच्छाओं को पूरा करके।
(ङ) निम्नलिखित कथन और कारण को ध्यानपूर्वक पढिए। तत्पश्चात नीचे दिए विकल्पों में से उचित विकल्प चुनकर उत्तर लिखिए।

कथन(A) : हमें अपनी आवश्यकताओं और कामनाओं को सीमित करना चाहिए।
कारण (R): लालच एक अंधी दौड़ है, जिसमें आप कितना भी आगे निकल जाएँ, फिर भी किसी से आप पीछे रहेंगे ही और अंत में सभी कुछ यहीं छोड़कर चले जाएँगे।

कथन (A) सही है , कारण (R) गलत है।
कथन (A) गलत है , कारण (R) सही है।
कथन $(A)$ और कारण $(R)$ दोनों सही हैं किंतु कारण $(R)$ कथन $(A)$ की सही व्याख्या नहीं करता। कथन $(A)(R)$ और कारण $(A)(R)$ दोनों सही हैं तथा कारण $(R)$ कथन $(A)$ की सही व्याख्या करता है।
व्यावहारिक व्याकरण

## प्रश्न 3 निम्नलिखित प्रश्नों के उत्तर निर्देशानुसार दीजिए।

- निम्नलिखित में से दो प्रश्नों के उत्तर दीजिए पढोगे ।
(क) पढोगे तो जीवन में कामयाब होगे ? ' कौन-सा वाक्य है।
i. विधिवाचक वाक्य
ii. विस्मयवाचक वाक्य
iii. संकेतवाचक वाक्य
iv. आज्ञावाचक वाक्य
(ख) उफ़ ! कितनी गरमी है। ' कौन-सा वाक्य है ?
i. विस्मयवाचक वाक्य
ii. आज्ञावाचक वाक्य
iii. संकेतवाचक वाक्य
iv. निषेधवाचक वाक्य
(ग) 'तुम्हारी यात्रा शुभ हो ' कौन-सा वाक्य है ?
i. इच्छावाचक वाक्य
ii. सन्देहवाचक वाक्य
iii. विधिवाचक वाक्य
iv. इनमें से कोई नहीं
- निम्नलिखित में से दो प्रश्नों के उत्तर दीजिए।
(घ) उचित अनुस्वार युक्त शब्द चुनिए -
i. रोमाँचित
ii. रोमांचित
iii. रोमान्चित
iv. रोमंचित
(ङ) उचित अनुनासिक युक्त शब्द चुनिए -
i. आंसू
ii. आसूं
iii. आसु
iv. ऑसू
(च) अनुनासिक कहते हैं -
i. नाक व मुँह से निकलने वाली ध्वनि को
ii. नाक से निकलने वाली ध्वनि
iii. दोनों
iv. कोई नही

निम्नलिखित प्रश्नों के उत्तर दीजिए जीवन ।
(छ) 'जीवन'शब्द है -
i. विकारी
ii. अविकारी
iii. दोनों
iv. कोई नहीं
. (ज) वाक्य में आकर शब्द बन जाता है - -
i. शब्द वर्ण बन जाता है - -
ii. शब्द पद बन जाता है - -
iii. शब्द सार्थक बन जाता है - -
iv. शब्द वाक्यांश बन जाता है - -

निम्नलिखित में से चार प्रश्नों के उत्तर दीजिए।
(झ) 'रुमाल ' शब्द में प्रयुक्त उपसर्ग है -
i. रू
ii. रूमा
iii. रु
iv. सभी
(ञ) ‘कमज़ोर शब्द में प्रयुक्त उपसर्ग है -
i. कम
ii. काम
iii. कं
iv. कोई नहीं
(ट) ‘सर्व’ उपसर्ग युक्त शब्द छाँटिए।
i. सर्वस्व
ii. सर्वे
iii. सर्वा
iv. सर्वांगीण
(ठ) 'सफलता ' में प्रत्यय है -
i. ता
ii. लता
iii. आ
iv. फलता
(ड) रेखांकित में प्रत्यय क्या है ?
i. किंत
ii. ईत
iii. इत
iv. त

- निम्नलिखित में से तीन प्रश्नों के उत्तर दीजिए-
(ढ) स्वर संधि के कितने भेद होते है ?
- एक
ii. दो
iii. तीन
iv. पाँच
(ण) निराश्रित में प्रयुक्त संधि का नाम है-
i. गुण संधि
ii. दीर्घ संधि
iii. व्यंजन संधि
iv. यण संधि
(त) एकैक में प्रयुक्त संधि का नाम है-
i. वृद्धि संधि
ii. दीर्घ संधि
iii. विसर्ग संधि
iv. यण सन्धि
(थ) 'स्वागत' में प्रयुक्त संधि का नाम है
i. व्यंजन
ii. स्वर
iii. विसर्ग
iv. इनमे से कोई नहीं
- निम्नलिखित प्रश्नों के उत्तर दीजिए।
(द) जहाँ प्रश्न पूछा जाए वहाँ कौन सा विराम चिह्न लगता है ?
i. प्रश्नवाचक चिह्न
ii. अल्पविराम
iii. पूर्ण विराम
iv. लाघव चिह्न
(ध) अर्ध विराम चिह्न का प्रयोग वाक्यों को जोड़ने के लिए किया जाता है। यह कथन है -
i. सत्य
ii. असत्य
iii. विकल्प (i).सही है
iv. विकल्प (ii) सही है
(न) लाघव चिह्न कौन सा है ?
i. (-)
ii. (o)
iii. (?)
iv. (,

प्रश्न 4 निम्नलिखित काव्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए। $(5+2=7)$ अग्नि पथ! अग्रि पथ! अग्नि पथ!
वृक्ष हों भले खड़े,
हों घने, हों बड़े,
एक पत्र छाँह भी माँग मत, माँग मत, माँग मत!
अग्नि पथ! अग्रि पथ! अग्नि पथ!
तू न थकेगा कभी!
तू न थमेगा कभी!
तू न मुड़ेगा कभी! कर शपथ, कर शपथ, कर शपथ!
अग्नि पथ! अग्रि पथ! अग्रि पथ!
1 कवि के अनुसार मनुष्य की असली परीक्षा कब होती है?
i. कठिन समय में
ii. परीक्षा भवन में
iii. जीवन के अंत में
iv. इनमें से कोई नही

2 कवि के अनुसार मनुष्य के कठिन समय में यदि कोई मदद का हाथ बढ़ाता है तो उसे क्या करना चाहिए?
i. कठिन समय में मदद ले लेनी चाहिए
ii. कठिन समय में किसी की मदद नहीं लेनी चाहिए
iii. उसका हाथ थाम लेना चाहिए
iv. इनमें से कोई नहीं

3 कवि के अनुसार जीवन में कौन सफल होता है?
i. कठिन समय में मदद लेने वाला
ii. कठिन समय में हार मानने वाला
iii. जीवन के हर मोड़ पर दूसरों पर निर्भर रहने वाला
iv. हमेशा मेहनत करने वाला

4 कवि के अनुसार कठिन रास्ते पर चलने का फैसला करने वाले मनुष्य को क्या प्रतिज्ञा करनी चाहिए?
i. वह कभी थकेगा नहीं
ii. वह कभी रुकेगा नहीं
iii. वह कभी पीछे मुड़ कर देखेगा नहीं
iv. उपरोक्त सभी

5 कवि के अनुसार कौन सा मनुष्य अपनी मंजिल को हासिल कर लेता है?
i. कठिन समय में हार मानने वाला
ii. जीवन में हमेशा दूसरों पर निर्भर रहने वाला
iii. जीवन के अंत में हार मानने वाला
iv. किसी भी परिस्थिति में हार न मानने वाला

प्रश्न 5 निम्नलिखित प्रश्नों के उत्तर दीजिए।
1 यदि भगवान् चंदन है तो भक्त क्या है?
i. पानी
ii. मोर
iii. चकोर
iv. बत्ती

2 भगवान् किसका कल्याण बिना भेदभाव के करते है?
i. अमीरों का
ii. भक्तों का
iii. अछूत मनुष्यों का
iv. इनमें से किसी का नहीं

प्रश्न 6 निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर सही विकल्प चुनकर दीजिए। ( $5+2=7$ ) उस दिन जब तुम आए थे, मेरा हृदय किसी अज्ञात आशंका से धड़क उठा था। अंदर-ही-अंदर कहीं मेरा बटुआ काँप गया। उसके बावजूद एक स्रेह-भीगी मुसकराहट के साथ मैं तुमसे गले मिला था और मेरी पत्नी ने तुम्हें सादर नमस्ते की थी। तुम्हारे सम्मान में ओ अतिथि, हमने रात के भोजन को एकाएक उच्चमध्यम वर्ग के डिनर में बदल दिया था। तुम्हें स्मरण होगा कि दो सब्ज़ियों और रायते के अलावा हमने मीठा भी बनाया था। इस सारे उत्साह और लगन के मूल में एक आशा थी। आशा थी कि दूसरे दिन किसी रेल से एक शानदार मेहमाननवाज़ी की छाप अपने हृदय में ले तुम चले जाओगे। हम तुमसे रुकने के लिए आग्रह करेंगे, मगर तुम नहीं मानोगे और एक अच्छे अतिथि की तरह चले जाओगे। पर ऐसा नहीं हुआ!

दूसरे दिन भी तुम अपनी अतिथि-सुलभ मुसकान लिए घर में ही बने रहे। हमने अपनी पीड़ा पी ली और प्रसन्न बने रहे। स्वागत-सत्कार के जिस उच्च बिंदु पर हम तुम्हें ले जा चुके थे, वहाँ से नीचे उतर हमने फिर दोपहर के भोजन को लंच की गरिमा प्रदान की और रात्रि को तुम्हें सिनेमा दिखाया। हमारे सत्कार का यह आखिरी छोर है, जिससे आगे हम किसी के लिए नहीं बढ़े। इसके तुरंत बाद भावभीनी विदाई का वह भीगा हुआ क्षण आ जाना चाहिए था, जब तुम विदा होते और हम तुम्हें स्टेशन तक छोड़ने जाते। पर तुमने ऐसा नहीं किया।

1. लेखक किससे परेशान है?
i. अपनी पत्नी से
ii. अतिथि से
iii. महँगगई से
iv. गर्मी से
2. लेखक के घर में अतिथि को कितने दिन हो गए थे?
i. दो
ii. चार
iii. पाँच
iv. तीन
3. लेखक अतिथि से क्या चाहता है?
i. वह लेखक के ही घर में रहे
ii. एक-दो दिन और रुके
iii. वह जल्दी चला जाए
iv. इनमें से कोई नहीं
4. इस पाठ के लेखक हैं -
i. जयशंकर
ii. शरद जोशी
iii. सियाराम शरण गुप्त
iv. धर्मवीर भारती
5. लेखक को अतिथि से क्या उम्मीद थी?
i. वह कुछ काम करेगा
ii. वह लेखक की मदद करेगा
iii. वह अगले ही दिन चला जाएगा
iv. इनमें से कोई नहीं

प्रश्न 7 निम्नलिखित प्रश्नों के उत्तर दीजिए।

1. लोक संस्कृति का प्रतीक किसे माना गया है?
i. वृक्ष को
ii. नदी को धूल को
iii. धूल को
iv. इनमें से कोई नहीं
2. धूल का स्पर्श करने पर किसके प्रति श्रद्धा की भावना व्यक्त होती है?
i. माँ के प्रति
ii. गाँव के प्रति
iii. मिट्टी के प्रति
iv. इनमें से कोई नहीं

प्रश्न 8. निम्नलिखित में से किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में दीजिए।
i. पाठ दुःख के आधार पर बताइए कि मनुष्य के जीवन में पोशाक का क्या महत्त्व है ?
ii. किन गुणों के कारण महादेव भाई सबके लाडले बन गए ?
iii. रामन को मिलने वाले पुरस्कारों ने भारतीय -चेतना को जाग्रत किया। ऐसा क्यों कहा गया है ?

प्रश्न 9. निम्नलिखित में से किन्हीं दो प्रश्नों के उत्तर लगभग 60 शब्दों में दीजिए।
(3x2=6)
i. नए इलाके में कविता के आधार पर शहरों की किस विडंबना की और संकेत किया गया है ?
ii. रैदास जी ने दूसरे पद में अपने आराध्य का किस प्रकार वर्णन किया है ।
iii. कवि रहीम ने किस जल को श्रेष्ठ माना गया है और क्यों ?

प्रश्न10. निम्नलिखित में से किन्हीं दो प्रश्नों केउत्तर लगभग 60 शब्दों में दीजिए।
i. लेखिका महादेवी वर्मा ने गिल्लू को आज़ाद करने का निर्णय क्यों लिया ?
ii. कल्लू कुम्हार की उनाकोटी पाठ के आधार पर त्रिपुरा की भोगौलिक स्थिति का वर्णन कीजिए।
iii. किताबों वाले कमरे में रहने के पीछे लेखक के मन में क्या भावना थी ?
(खंड ब)
प्रश्न 11 दिए गए बिंदुओं के आधार पर किसी एक विषय पर 80 से 100 शब्दों में अनुच्छेद लिखिए।?
(i) महानगरीय जीवन-एक वरदान या अभिशाप

संकेत बिंदु-

* शहरों की ओर बढ़ते कदम
$*$ दिवास्वप्र
* वरदान रूप
* महानगरीय जीवन-एक अभिशाप
(ii) कंप्यूटर-आज की आवश्यकता

संकेत बिंदु-

* कंप्यूटर एक विचित्र उपकरण
$\%$ बढ़ता उपयोग
* इंटरनेट और कंप्यूटर
* प्रयोग की सावधानियाँ
(iii) देश हमारा सबसे प्यारा

संकेत बिंदु-

* भारत का नामकरण
* प्राकृतिक सौंदर्य
* अनेकता में एकता
* प्राचीन परंपरा
* वर्तमान में भारत

प्रश्न 12 कोई एक पत्र लिखिए।
अपने मित्र को राष्ट्रीय फुटबॉल टीम में चयन होने पर बधाई पत्र लगभग 100 शब्दों लिखिए।
(6)

अथवा
पढ़ाई हेतु छात्रावास में रह रहे अपने बड़े भाई को लगभग 100 शब्दों पत्र लिखकर अपने घर परिवार का समाचार दीजिए।
प्रश्न 13 निम्नलिखित विषयों पर 40 से 50 शब्दों में संवाद लिखिए।
मकान मालिक तथा आने वाले नए किराएदार के बीच हुई बातचीत को संवाद रूप में लिखिए। अथवा
हिंदी परीक्षा के एक दिन पूर्व दो मित्रों की बातचीतः को संवाद रूप में लिखिए
प्रश्न 14 नीचे दिए गए चित्र का वर्णन लगभग 100 शब्दों में कीजिए।


# St. PBN PUBLIC SCHOOL <br> ANNUAL EXAMINATION <br> CLASS IX <br> INFORMATION TECHNOLOGY <br> (SUBJECT CODE-402) <br> SAMPLE PAPER 

Time: 3Hours
M.M:50

GENERAL INSTRUCTIONS:

1. Please read the instructions carefully.
2. This Question Paper consists of $\mathbf{2 1}$ questions in two sections: Section A\& Section B.
3. Section $A$ has Objective type questions whereas Section $B$ contains Subjective type questions.
4. Out of the given $(5+16=) 21$ questions, a candidate has to answer $(5+10=) \mathbf{1 5}$ questions in the allotted (maximum) time of $\mathbf{2}$ hours.
5. All questions of a particular section must be attempted in the correct order.

## 6.SECTION A - OBJECTIVE TYPE QUESTIONS (24 MARKS):

i. This section has 05 questions.
ii. Marks allotted are mentioned against each question/part.
iii. There is no negative marking.
iv. Do as per the instructions given.
7. SECTION B - SUBJECTIVE TYPE QUESTIONS (26 MARKS):
i. This section has 16 questions.
ii. A candidate has to do 10 questions.
iii. Do as per the instructions given.
iv. Marks allotted are mentioned against each question/part.

## SECTION- A

(OBJECTIVE TYPE QUESTIONS)
Q1. Answer any 4 out of the given 6 questions on Employability Skills
( $1 \times 4=4$ marks)
i. Prespective is an individual's $\qquad$
(a) Belongings
(b) Point of View
(c) Future
(d) Activity
ii. Which of the following is not 7C's of communication?
(a) Clear
(b) Conscious
(c) Complete
(d) Concise
iii. Communication is a $\qquad$ exchange of information, i.e., giving and receiving
(a) one-way
(b) two-way
(c) three-way
(d) none of these
iv. Which of these is not an ICT tool?
(a) Mobile phone
(b) Television
(c) E-mail
(d) Book
v. E-mail is $\qquad$ mode of communication.
(a) cheapest
(b) expensive
(c) very expensive
(d) none of these
vi. Data is stored temporarily in $\qquad$
(a) ROM
(b) Hard-disk
(c) DVD
(d) RAM

Q2. Answer any 5 out of the given 6 questions
i. Which of the following IT enabled healthcare gadgets is used to monitor heartbeat rate?
(a) CAT
(b) Fitbit
(c) ECG
(d) MRI
ii. There should be at least $\qquad$ inches of distance between your eyes and the screen.
(a) 5-10
(b) 0-5
(c) 20-30
(d) 50-60
iii. Where do you type the text in LibreOffice Writer?
(a) Textbox
(b) Document window
(c) Application Window
(d) None of these
iv. By default how many worksheets are there in Calc workbook?
(a) 1
(b) 3
(c) 2
(d) 4
v. Name the element that is identified by its row number and column letter
(a) cell
(b) column
(c) row
(d) worksheet
vi. $\qquad$ is the value axis in a column chart.
(a) X -axis
(b) Z-axis
(c) $Y$-axis
(d) Insert

## Q3. Answer any 5 out of the given 6 questions

i. A presentation is a collection of:
(a) Notes
(b) Slides
(c) Panes
(d) Placeholders
ii. Which pair of brackets are used to denote a negative value in Calc?
(a) ()
(b) $\}$
(c) []
(d) None of these
iii. From which menu can you insert a chart on your worksheet?
(a) Edit
(b) Format
(c) Insert
(d) Data
iv. $\quad \mathrm{F} \$ 9$ is an example of $\qquad$ .
(a) Absolute referencing
(b) Mixed referencing
(c) Relative referencing
(d) None of these
v. How many no. of worksheets can be inserted in workbook in Calc?
(a) 251
(b) 300
(c) 255
(d) 256
vi. What is the default name of a workbook in Calc?
(a) Book 1
(b) Sheet1
(c) Untitled1
(d) All of these

Q4. Answer any 5 out of the given 6 questions
( $1 \times 5=5$ marks)
i. Shortcut key to print a document in digital documentation $\qquad$ .
(a) $\mathrm{Ctrl}+\mathrm{P}$
(b) $\mathrm{Ctr}+\mathrm{V}$
(c) $\mathrm{Ctrl}+\mathrm{H}$
(d) $\mathrm{Ctrl}+\mathrm{R}$
ii. In Rapid Typing software, Control buttons are present in the $\qquad$ .
(a) Navigation Panel
(b) Toolbar
(c) Text Panel
(d) Title Bar
iii. There should be at least $\qquad$ inches of distance between your eyes and the screen.
(a) 5-10
(b) 20-30
(c) 0-5
(d) $50-60$
iv. The student statistics cannot be downloaded in the $\qquad$ format.
(a) PDF
(b) CSV
(c)XML
(d) HTML
v. What is the full form of ATM?
(a) All Time Money
(b) Any Time Money
(c) Automatic Teller Machine
(d) Automated Teller Machine
vi. Where do you type text in Open Office Writer
(a) Textbox
(b) Application Window
(c) Document Window
(d) All of these

## Q5. Answer any 5 out of the given 6 questions

i. GIC stands for $\qquad$ .
(a) Global In-house Centres
(b) Global Income Centres
(c) Global Input Centres
(d) Global In-come Collectors
ii. Which of the following creating, managing, storing, and exchanging information?
(b) IT
(b) BPO
(c) ITeS
(d) KPO
iii. Which of the following is the shortcut key to Redo any operation?
(a) $\mathrm{Ctrl}+\mathrm{R}$
(b) $\mathrm{Ctrl}+\mathrm{Y}$
(c) $\mathrm{Ctrl}+\mathrm{Z}$
(d) $\mathrm{Ctrl}+\mathrm{V}$
iv. Spellings are corrected automatically in Writer because of the following features?
(a) Auto Text
(b) Auto Correct
(c) Auto Complete
(d) All of above
v. The default table size is $\qquad$
(a) 1 row, 1 column
(b) 2 row, 1 column
(c) 2 row, 2 column
(d) 1 row, 2 column
vi. The default orientation of page in Writer is $\qquad$ .
(a) Portrait
(b) Book
(c)Landscape
(d) None of these

## SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of the given 5 questions on Employability Skills
Answer each question in $\mathbf{2 0} \mathbf{- 3 0}$ words.
Q6. What do you create an E-mail account?
Q7. In business, why it is essential to make a profit? Comment.
Q8. Define Green economy.
Q9. What do you mean by Multi-tasking operating system?
Q10.What is Cache Memory? What are its advantages?

Q11. Write any four benefits of Mail Merge.
Q12. What do you mean by Slide master?
Q13. What is a formula bar? How it is different from Name box?
Q14. Explain the use of Navigator.
Q15. Distinguish between Standard toolbar and Formatting toolbar.
Q16. Distinguish between slide and slide show.

## Answer any 3 out of the given 5 questions in 50-80 words each

$$
\text { ( } 4 \times 3=12 \text { marks })
$$

Q17. a) Shivam needs to prepare a report on Fun day at school. He typed 160 words per 5 minutes with errors in 10 words. Find the Gross speed, Accuracy percentage of his typing.
b) Distinguish between BPO and Call Centre.

Q18. a) Niti wants to apply MIN function on a cell range, but all the values in that range are of Boolean. What value will be returned by the MIN function?
b) Rishika is new to OpenOffice Calc Spreadsheet. Her instructor has asked her to open Excel on her PC and questioned about active cell. Help Rishika in identifying the active cell on her screen.
c) The cell A1 has value Monday. If you are asked to click and drag the Fill handle of A1 downside then what will be the contents of cell A2, A3, A4 and A5?
d) Sohani has clicked on the cell residing at the intersection of first row and ninth column. What will be the address of the selected cell?

Q19. (i) How can you create a table in OpenOffice Writer?
(ii) How do you split a table in OpenOffice Writer?

Q20. (i) What are functions? Explain the difference parts of a function.
(ii) How will you move, copy, rename, and delete a worksheet?

Q21. (i) Explain the various options present in the Paragraph section of the Table properties sidebar in Impress.
(ii) Define the following terms:

- Outline view
- Zoom \& View layout dialog box in Impress

