



**St. Mary's School, Dwarka**  
**Holiday Homework**  
**Class: XI**  
**Worksheet 1**

**General Instructions:**

- 1) The work should be done neatly and systematically.
- 2) The given questions are to be done in your respective subject notebooks.
- 3) Attempt all questions.

**Subject: English Core**

No. of questions: 10

M.M. 25

**SECTION A- READING (5 marks)**

**Q1. Read the passage given below.**

1. In an age punctuated by choice and information, the youth stand at a paradoxical crossroads. They are, arguably, the most connected generation in history—digitally enmeshed, globally aware, and exposed to a universe of possibilities. Yet, this exposure has not yielded clarity; rather, it has deepened confusion. The sheer abundance of career paths, lifestyles, ideologies, and identities to explore often paralyzes rather than liberates. With every option comes the fear of missing out on another, and with every decision looms the shadow of regret.

2. The modern youth is no longer simply expected to find a job; they are urged to "follow their passion," "make a difference," and "build a personal brand." While inspiring on the surface, these lofty aspirations can become overwhelming mandates. Social media platforms compound this pressure by glorifying success stories while omitting the silent struggles that paved the way. This curated perfection creates unrealistic benchmarks, leading many to question their worth before they've even begun.

3. Moreover, the societal narrative oscillates between contradictory advice: "Take risks, you're young" vs "Secure your future before it's too late." Trapped between idealism and pragmatism, youth are left to decode a world rife with contradiction. The support systems meant to guide them—schools, families, institutions—often fail to evolve with the times, offering outdated frameworks to navigate an increasingly fluid world.

4. In essence, the youth dilemma is not one of apathy, but of excess. Excess of information, expectation, and anxiety. It is not a void of ambition, but a surfeit of directionless drive. To address this conundrum, society must reframe success, promote authentic dialogue, and most importantly, allow the young the grace to stumble, question, and grow without the burden of perfection.

**Based on your understanding of the passage, answer the questions given below. (1x5)**

**(i) What is the central dilemma faced by modern youth as described in the passage?**

- a) Limited access to information and lack of ambition.
- b) Overexposure to options leading to decision paralysis and confusion.
- c) Strict societal rules that stifle creativity.
- d) Lack of digital literacy among younger generations.

**(ii) The phrase "*shadow of regret*" most likely implies:**

- a) Regret is a frequent and visible outcome of all youth decisions.
- b) Regret is a subtle but persistent fear that haunts decision-making.
- c) Regret is celebrated by youth as a mark of growth.
- d) Regret is an outdated concept rarely felt by the modern generation.

**(iii) Read the statements and choose the correct option.**

**Assertion (A): Youth today suffer from anxiety related to decision-making.**

**Reason (R): They are exposed to a surplus of choices and idealized success.**

- 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, R is false.
- d) A is false, R is true.

**(iv) The word "*surfeit*" in the passage most nearly means:**

- a) a comfortable balance
- b) a powerful surge
- c) an overwhelming abundance
- d) a disappointing shortage

**(v) The paradox in the opening paragraph lies in the fact that:**

- a) Youth have fewer opportunities despite technological advancement.
- b) Increased options have ironically made decision-making harder.
- c) Passion is rarely linked with work anymore.
- d) Institutions actively discourage creativity.

## GRAMMAR

### Q2. Fill in the blanks with suitable words:-

(1/4 x8=2)

By the time I \_\_\_\_\_ (1) to the station, the train \_\_\_\_\_ (2) had already left. If I \_\_\_\_\_ (3) known about the schedule change earlier, I \_\_\_\_\_ (4) have caught the earlier train. I \_\_\_\_\_ (5) about the delay, but I had no idea it \_\_\_\_\_ (6) so chaotic. I \_\_\_\_\_ (7) at the station for over an hour, contemplating whether I \_\_\_\_\_ (8) take a taxi to my destination instead.

### Q3. Rearrange the following parts to form a coherent sentence:

(1)

- P. that they must consistently innovate and adapt
- Q. organizations are beginning to realize
- R. in an era defined by rapid technological advancement
- S. to stay relevant in the ever-evolving marketplace

- A) R - Q - P - S
- B) Q - R - P - S
- C) Q - P - S - R
- D) R - P - Q - S

## SECTION C- LITERATURE

### Q4. Read the extract and answer the questions that follow:-

(1x3=3)

Her silver locks were scattered untidily over her pale, puckered face, and her lips constantly moved in inaudible prayer. Yes, she was beautiful. She was like the winter landscape in the mountains, an expanse of pure white serenity breathing peace and contentment.

**i. What does the phrase "her silver locks were scattered untidily" suggest about the grandmother's character and current state?**

- A) well-groomed and organized
- B) carefree and relaxed
- C) frail and possibly neglecting her appearance
- D) youthful and vibrant

**ii. The comparison of the grandmother to "the winter landscape in the mountains" implies that she embodies which of the following qualities?**

- A) coldness and isolation
- B) peacefulness and beauty
- C) harshness and severity
- D) abundance and warmth

**iii. The description of the grandmother as having “pale, puckered face” and “lips constantly moved in inaudible prayer” suggests that she:**

- A) engaged in a joyful conversation
- B) troubled and seeking solace
- C) unaware of her surroundings
- D) actively participating in a community event

**Q5.** How do grandmother's daily routines as depicted in the story reflect her personality and cultural values? (2)

**Q6.** Describe the physical appearance of the author's grandmother as portrayed in the lesson. (2)

**Q7.** How did the grandmother react when the author moved to the city for higher studies? (2)

**Q8** Complete the following in 15 to 20 words. (2)

(i) The sparrows' quiet mourning at the grandmother's death symbolized \_\_\_\_\_

(ii) When the author moved abroad for higher studies, the grandmother \_\_\_\_\_

**Q9.** What values can we learn from the grandmother's life as depicted in “The Portrait of a Lady”? Illustrate your answer with examples from the story. (3)

**Activity:**

**Q10. Handprint Art with Your Grandparent** (3)

Use your and your grandparent's handprints to create a beautiful keepsake. Add lines of a poem or quote like:

*“Different generations, one heart.”*

**Subject: Hindi Core****No. of Questions – 10****M.M- 25****निर्देश — 1 दिए गए सभी प्रश्नों के उत्तर हिन्दी की उत्तर पुस्तिका में लिखिए।****2 कार्य स्वच्छ शुद्ध एवं स्पष्ट लेख में कीजिए।****प्रश्न 1 निम्नलिखित गद्यांश पर आधारित प्रश्नों के उत्तर निर्देश के अनुसार दीजिएः  
(1×5=5)**

मनुष्य का जीवन संघर्षों से भरा होता है। प्रत्येक व्यक्ति को अपने जीवन में अनेक प्रकार की कठिनाइयों का सामना करना पड़ता है। परंतु वही व्यक्ति जीवन में सफलता प्राप्त करता है जो उन कठिनाइयों से हार नहीं मानता और निरंतर प्रयत्न करता रहता है। इतिहास में हमें ऐसे कई उदाहरण मिलते हैं जिन्होंने विपरीत परिस्थितियों में भी अपने धैर्य, साहस और आत्मविश्वास के बल पर असंभव को संभव बना दिया। महात्मा गाँधी ने सत्य और अहिंसा के मार्ग पर चलकर देश को आज़ादी दिलाई। उन्हें अनेक बार जेल जाना पड़ा, विरोध सहना पड़ा, पर वे अपने मार्ग से विचलित नहीं हुए। यही आत्मबल उन्हें महान बनाता है। इसी प्रकार अब्राहम लिंकन को अनेक बार असफलताओं का सामना करना पड़ा, पर वे डटे रहे और अंततः अमेरिका के राष्ट्रपति बने। वास्तविक सफलता केवल भौतिक उपलब्धियों में नहीं, बल्कि अपने चरित्र निर्माण में भी होती है। एक सच्चा मनुष्य वह होता है जो न केवल स्वयं के लिए, बल्कि समाज के लिए भी सोचता है। दूसरों के दुःख में सहभागी बनना, सेवा करना और अपने कर्तव्यों को ईमानदारी से निभाना ही मानवता का सच्चा रूप है। हमें चाहिए कि हम अपने जीवन में आने वाली बाधाओं से घबराएँ नहीं, बल्कि उन्हें पार करने का प्रयास करें। जीवन का यही संघर्ष हमें मजबूत बनाता है और हमारे व्यक्तित्व को निखारता है।

**(i) जीवन में सफलता प्राप्त करने के लिए क्या आवश्यक है ?**

- (क) निरंतर प्रयत्न
- (ख) निश्चितता
- (ग) तनाव
- (घ) आशा

**(ii) आत्मबल का क्या परिणाम निकलता है ?**

- (क) संपन्नता
- (ख) जीवंतता
- (ग) आत्मबल
- (घ) मुक्ति

(iii) निम्नलिखित कथन(A) तथा कारण(R) को ध्यानपूर्वक पढ़िए तथा दिए गए विकल्पों में से कोई एक सही विकल्प चुनकर लिखिए।

**कथन (A)** गाँधीजी को अनेक बार जेल जाना पड़ा, विरोध सहना पड़ा।

**कारण (R)** उन्होंने देश को आज़ादी दिलाई।

- 1 कथन(A) तथा कारण(R) दोनों गलत हैं।
- 2 कथन(A) गलत है परन्तु कारण(R) सही है।
- 3 कथन(A) सही है परन्तु कारण(R) गलत व्याख्या करता है।
- 4 कथन(A) सही है और कारण(R) कथन की सही व्याख्या करता है।

(iv) लेखक ने सच्चा मनुष्य किसे कहा है ?

(v) मनुष्य का व्यक्तित्व निखारने के लिए क्या आवश्यक है ?

**प्रश्न 2** 'साथी' नामक स्वयंसेवी संस्था 'जो आलमबाग, लखनऊ में स्थित है' को कुछ स्वयंसेवियों की जरूरत है, जिन्हें निकटवर्ती बस्तियों एवं गाँवों में लोगों के बीच एड्स के प्रति जागरूकता फैलानी है। इस संस्था के प्रबंधक को एक आवेदन-पत्र लिखिए (5×1=5)

**प्रश्न 3** डीकोडिंग का क्या अर्थ है। (2×1=2)

**प्रश्न 4** फीडबैक किसे कहते हैं? संचार-प्रक्रिया की सफलता में फीडबैक की क्या भूमिका होती है? (2×1=2)

**प्रश्न 5** नमक का दारोगा पाठ के आधार पर बताइए वंशीधर ने कौन-सा साहसी कार्य किया? (1½×1=1½)

**प्रश्न 6** बादशाह का नाम पूछे जाने पर मियाँ बिगड़ क्यों गए? (1½×1=1½)

**प्रश्न 7** कबीर के अनुसार कैसे लोग ईश्वरीय तत्वों से दूर रहते हैं? (1½×1=1½)

**प्रश्न 8** मीरा जगत को देखकर रोती क्यों हैं ? (1½×1=1½)

**प्रश्न 9** लेखक ने लता की गायकी की किन विशेषताओं को उजागर किया है? आपको लता की गायकी में कौन-सी विशेषताएँ नज़र आती हैं? उदाहरण सहित बताइए। (1×1=1)

**प्रश्न 10** परियोजना कार्य : अपने विद्यालय के विभिन्न प्रकार के समाचारों को दर्शाते हुए एक 4 पृष्ठों का समाचार पत्र A4 शीट की सहायता से बनाइए। (4×1=4)

**Subject: Mathematics**

**General Instructions:**

- 1) Do all holidays homework in a separate notebook.
- 2) Revise all syllabus done till date.

No. of questions: 10

M.M. 25

Q.1) Let  $X$  = the set of all letters in the word 'NEW DELHI' and  $Y$  = the set of all the letters in the word 'CHANDIGARH'. Find: (2)

(i)  $X \cup Y$                       (ii)  $X \cap Y$                       (iii)  $X - Y$                       (iv)  $Y - X$

Q.2) If ABCD is a cyclic quadrilateral, then show that  $\cos A + \cos B + \cos C + \cos D = 0$ . (2)

Q.3) If  $f(x) = y = (ax-b)/(cx-a)$ , then show that  $f(y) = x$ . (2)

Q.4) Evaluate: i)  $[i^{18} + (1/i)^{25}]^3$                       ii)  $i^{104} + i^{109} + i^{114} + i^{119}$  (2)

Q.5) Draw Venn diagram to verify De Morgan's law. (2)

Q.6) Let  $R$  be a relation from  $N$  to  $N$  defined by  $R = \{ (a, b) : a, b \in N \text{ and } a = b^2 \}$  Are the following true? (3)

- (i)  $(a, a) \in R$  for all  $a \in N$ .
- (ii)  $(a, b) \in R$  implies  $(b, a) \in R$
- (iii)  $(a, b) \in R$  and  $(b, c) \in R$  implies  $(a, c) \in R$

Q.7) Find the value of:  $\sin 18^\circ$  and  $\cos 36^\circ$  (3)

Q.8) For any complex number  $z$ , prove that: (3)

i)  $1/2 (z + \bar{z}) = \operatorname{Re} z$                       ii)  $1/2i (z - \bar{z}) = \operatorname{Im} z$                       iii)  $|z|^2 = z\bar{z}$

Q.9) Prove that  $\tan 11\pi/24 = \sqrt{2} + \sqrt{3} + \sqrt{4} + \sqrt{6}$ . (3)

Q.10) If  $(x + iy)^3 = u + iv$ , then show that  $\frac{u}{x} + \frac{v}{y} = 4(x^2 - y^2)$  (3)

**Activity:**

**To create a visual diary of graphs showcasing various trigonometric functions to further determine each function's domain and range.**

**Subject: Physics**

Number of questions:10

M.M: 25

**Q1** Write the dimensional formula of angular momentum. Given angular momentum  $L = mvr$ , where  $m$  is mass,  $v$  is velocity, and  $r$  is the radius. 1

**Q2.** Joule  $\times$  second is the unit of which physical quantity? 1

**Q3.** In the expression  $P = El^2 m^{-5} G^{-2}$ ;  $E$ ,  $m$ ,  $l$  and  $G$  denote energy, mass, angular momentum and gravitational constant, respectively. Show that  $P$  is a dimensionless quantity. 2

**Q4.** Show that angular momentum has the same physical unit as Planck's constant  $h$ , which is given by the relation  $E = hv$ . 2

**Q5.** The frequency 'f' of vibration of a stretched string depends upon:  
(i) its length  $l$ , (ii) its mass per unit length  $m'$  and (iii) the tension  $T$  in the string. Obtain dimensionally an expression for frequency  $f$ . 2

**Q6.** Check by the method of dimensions whether the following equations are correct: (i)  $E = mc^2$ ,  
(ii) Pressure  $P = \rho gh^2$ , where the symbols have their usual meaning. 3

**Q7.** The Vander Wall's equation for a gas is  $[P + (a/V^2)](V - b) = RT$ . Determine the dimensions of  $a$  and  $b$ . Write the SI units of  $a$  and  $b$  as well. 3

**Q8.** The critical angular velocity  $\omega_c$  of a cylinder inside another cylinder containing a liquid at which its turbulence occurs depends on viscosity  $\eta$ , density  $\rho$  and the distance  $d$  between the walls of the cylinder. Find the expression for  $\omega_c$ . 3

**Q9.** The frequency  $f$  of an oscillating drop may depend upon radius  $r$  of the drop, density  $\rho$  of the liquid and surface tension  $S$  of the liquid. Establish an expression for  $f$  dimensionally. 3

**Q10.** (i) The length, breadth and thickness of a rectangular metal sheet are 4.234m, 1.005m and 2.01 cm, respectively. Find the area and volume of the sheet to correct significant figures (ii) What are systematic errors? Give two examples of systematic errors. (3+2=5)



**Subject: Chemistry**

No. of questions: 10

M.M. 25

1. Define the term "matter". Give two examples of matter. (2)
2. Classify the following as elements, compounds, or mixtures: (3)
  - Water
  - Gold
  - Air
3. State the Law of Definite Proportions. Explain it with a suitable example. (3)
4. What is the difference between mass and weight? (2)
5. How many significant figures are there in the following numbers? (2)
  - 0.0230
  - $4.8 \times 10^3$
6. Convert the following: (2)
  - 2 liters to milliliters
  - 300 K to degrees Celsius
7. Calculate the molar mass of glucose ( $C_6H_{12}O_6$ ). (3)

(Atomic masses: C = 12 u, H = 1 u, O = 16 u)
8. What is a limiting reactant? Explain its role in a chemical reaction. (3)
9. Calculate the number of moles in 49 g of sulfuric acid ( $H_2SO_4$ ). (3)

(Molar mass of  $H_2SO_4$  = 98 g/mol)
10. Define the term "mole fraction". Write the formula for the mole fraction of a solute in a binary solution. (2)

**Subject: Computer Science**

No. of questions: 10

M.M. 25

- Q1 Why is python a popular programming language? 2
- Q2 Enlist various distributions of python programming language. 2
- Q3 What is the difference between interactive and script mode in Python? 2
- Q4 How to write multiple lines code in python? or What are the ways to write multiple lines code in python? 2
- Q5 What is the difference between a variable and a constant in Python? 2
- Q6 Differentiate between an expression and a statement. 2
- Q7 a) Give the full form of ASCII and ISCII. 2
- Q8 Encode the word 'CONCEPTUAL' using ASCII and convert the encode value into binary values. 2
- Q9 Find out errors in the following: 1x4=4
- i) `x = 090`  
`y = 0o123`  
`z = 0o99`  
`print x`  
`print(y)`  
`print (x AND y AND z)`
- ii) `p,q,r= 33, 44, 66`  
`print(p;q;r)`
- iii) `n=input("Enter no.")`  
`sq_of_n=n*n`  
`print(sq_of_n)`
- iv) `cname=int("Enter Name:")`  
`bill=int(input("Enter amoumnt:"))`  
`print(cname)`  
`print(bill)`
- Q10 Identify the types of the identifier of the following: 15.859, 125, True, 'True', False, 'False', 0XDADA, 0o456, None, "None"  $\frac{1}{2} \times 10 = 5$

**Activity:**

**Unscramble the Python keywords:**

- safel
- eon
- uert
- dan
- sa
- tesrsa
- cynas
- itawa
- rekab
- slsac

**Subject: Biology**

No. of questions: 10

M.M. 25

Q1. Which among the following is involved in the naming of the animals scientifically? (1)

- a) ICBN      b) ICAN      c) ICPN      d) ICZN

Q2. What do you think is the need of nomenclature? (1)

- a) Scientists can use this term in their seminars  
b) To have a standard name for an organism instead of having many names in different languages  
c) Nomenclature is something which is same for all organisms and people need not mention each organism with different names  
d) Nomenclature looks fancier and more technical than regional names

**Two statements are given: one labelled Assertion (A) and the other labelled Reason (R).**

**Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below.**

**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**

Q3. Assertion: A virus is a nucleoprotein. (1)

Reason: A virus has a protein coat, capsid and genetic material, which is either DNA or RNA

Q4. Brinjal and potato belong to the same genus *Solanum*, but to two different species. What defines them as separate species? (2)

Q5. How is the five-kingdom classification advantageous over the two kingdom classification? (2)

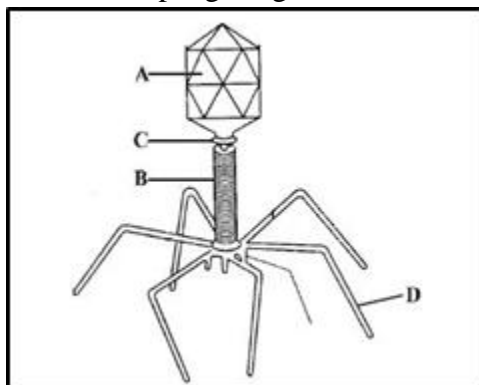
Q6. Are chemosynthetic bacteria—autotrophic or heterotrophic? Justify with examples (3)

Q7. Food is stored as Floridean starch in Rhodophyceae. Mannitol is the reserve food material of which group of algae? (3)

Q8. Explain briefly the terms with suitable examples:

- a) Protonema      b) Antheridium      c) Isogamy (3)

Q9. A diagram of bacteriophage is given below.



Class 11 Worksheet 1

- a) What are bacteriophages?
- b) Name the genetic material in bacteriophages.
- c) Label the parts A, B, C and D marked in the diagram.

(1+1+2=4)

Q10. a) Enlist six distinguish features of Rhodophyceae.

- b) Name any four common members of Rhodophyceae.

(3+2=5)

**Activity:**

Draw a map linking species, family, class and order.

**Subject: Informatics Practices**

No. of questions: 10	M.M. 25
Q1 Why is python a popular programming language?	2
Q2 Enlist various distributions of python programming language.	2
Q3 What is the difference between interactive and script mode in Python?	2
Q4 How to write multiple lines code in python? or What are the ways to write multiple lines code in python?	2
Q5 What is the difference between a variable and a constant in Python?	2
Q6 Differentiate between an expression and a statement.	2
Q7 Write a short note on flash memory and solid state drive.	2
Q8 How is a blu-ray disk different from a super density disk ie DVD?	2
Q9 Find out errors in the following:	1x4=4
i) <code>x = 090</code> <code>y = 0o123</code> <code>z = 0o99</code> <code>print x</code> <code>print(y)</code> <code>print (x AND y AND z)</code>	
ii) <code>p,q,r= 33, 44, 66</code> <code>print(p;q;r)</code>	
iii) <code>n=input("Enter no.")</code> <code>sq_of_n=n*n</code> <code>print(sq_of_n)</code>	
iv) <code>cname=int("Enter Name:")</code> <code>bill=int(input("Enter amount:"))</code> <code>print(cname)</code> <code>print(bill)</code>	
Q10 Identify the types of the identifier of the following: 15.859, 125, True, 'True', False, 'False'0XDADA, 0o456, None, "None"	$\frac{1}{2} \times 10 = 5$

**Activity:**

**Unscramble the Python keywords:**

- safel
- eon
- uert
- dan
- sa
- tesrsa
- cynas
- itawa
- rekab
- slsac

**Subject: Business Studies**

**General Instructions:**

- The given assignments are to be done in the fair notebook only.
- The work should be done neatly and in a systematic manner.

No. of questions: 10

M.M. 25

- Q.1 Assertion (A) Marketing is one of the functions of the business.  
Reason (R) Business involves variety of functions, which are performed by different kinds of organisation.  
Choose the correct option: 1  
(A) Both A and R are true. 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 correct, but R is incorrect  
(D) A is incorrect, but R is correct
- Q.2 Which of the following does not characterise business activity? 1  
(A) Production of goods (B) Presence of risk and services  
(C) Sale or exchange (D) Salary or wages
- Q.3 A successful business not only focuses on its profits but also invests in employee training and development, provides fair wages, and ensures a safe working environment. These actions demonstrate an understanding of the importance of which stakeholder in achieving long-term business sustainability? 1  
A) Customers B) Suppliers  
C) Employees D) Competitors
- Q.4 The concept of "utility creation" is central to business activity. When a furniture manufacturer transforms raw wood into a finished chair, which type of utility is primarily being created? 1  
A) Form utility. B) Place utility.  
C) Time utility. D) Possession utility.
- Q.5 ABC is one of the largest transportation industry in India provides services for different projects including residential, commercial office, retail, industrial, logistics, hospitality and other areas too. It's a familiar name among the business houses in the country because of the large dependency factor. Which type of Industry discussed in the above case? 1  
(A) Genetic Industry (B) Tertiary Industry  
(C) Processing Industry (D) Assembly Industry
- Q.6 A local bakery sources wheat directly from farmers in the nearby villages and bakes bread using traditional methods. Identify and briefly explain the primary type of industry this bakery is engaged in. 3
- Q.7 Alex David is a legal advisor in a multinational company. He gets Rs.65,000 per month as his salary. On weekends, Alex David goes to nearby village and teaches some slum children, he does not charge anything from them, he does it out of sympathy and concern for poor children. This



given him mental and psychological satisfaction. On the basis of the given information about Alex David, answer the following questions:

a) Specify the types of human activity performed by Alex David.

b) Differentiate between types of human activity identified in part (a) on any two basis. 3

Q.8 All the four children of Mr. Madan Mohan Lal are doctors. Shyam is a skin specialist, Krishna is a heart specialist, Radhika is a child specialist and Gauri is a physician. Dr Shyam joined a multi-speciality private hospital. Dr. Krishna established his own nursing home. Dr Radhika works in a government hospital and also treats the poor people free of cost in a charitable dispensary. Dr. Gauri opened a medical store wherein she sells genuine medicines, getting the minimum profit margin.

(a) State, giving reasons, whether they are engaged in economic or non-economic activities.

(b) Also explain which form of the economic activities and non-economic activities they have been engaged. 4

Q.9 Compare the status of a minor in a Hindu joint family business with that in a partnership firm. 4

Q.10 Shreya and Vrinda joined together and established a partnership firm dealing in electronic goods. Each one of them looks after one particular department. They had made it certain that every Saturday they would hold a meeting and share the information on the activities of their respective departments. In one of their meetings they discuss about some key areas on which they should focus their attention Shreya says, "we should focus on increasing productivity and profits through the best use of available resources." On the other hand, Vrinda says, "we should keep clear of the anti-social activities like adulteration, hoarding and profiteering, and contribute to the benefits of the society like opening charitable dispensary, educational Institution, etc. What are the objectives of business Shreya and Vrinda focusing on? Explain. 6

**Activity:** Analyse the impact of India Pakistan tension on Socio- Economic condition of both countries. Collect the information and present it in a file.

**Subject: Accountancy**

**General Instructions:**

- The given assignments are to be done in the fair notebook only.
- The work should be done neatly and in a systematic manner.

No. of questions: 10

M.M. 25

Q.1 The junior staff whose responsibility is less, do the work of .....and it doesn't required special knowledge and ability. 1

- |               |                  |
|---------------|------------------|
| a) Accounting | b) Book- Keeping |
| c) Management | d) Accountancy   |

Q2. **Assertion (A):-** Accounting records business transactions and events which are of financial nature only

**Reason (R):-** According to money measurement concept only financial transactions should be recorded in books of accounts

**Choose the correct option:**

1

- a. (A) is correct but (R) is wrong
- b. Both (A) and (R) are correct, but (R) is not the correct explanation of A
- c. Both (A) and (R) are incorrect.
- d. Both (A) and (R) are correct, and (R) is the correct explanation of (A)

Q.3 Goods costing Rs.10,000 is sold for Rs.14,000. In this transaction what amount is treated as Revenue and what amount is treated as Income? 1

Q.4 Ram is an accountant of Garima Pvt. Ltd. He always follows the Accounting Principles and Accounting Standards in preparation of financial statements. The primary qualities that make accounting information useful for decision making by following accounting principles and accounting standards are: 1

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| a) Relevance and free from bias.  | b) Reliability and comparability. |
| c) Comparability and consistency. | d) All of the above               |

Q.5 XYZ Corporation paid Rs.10,000 in cash to settle a long-term loan. How would this transaction affect the accounting equation? 1

Q.6 a) From the following information calculate total assets of the business: 3

Capital Rs.40,000, Creditors Rs.30,000, Revenue earned during the period Rs.75,000, Expenses incurred during the period Rs.20,000 and Value of stock unsold Rs.20,000.

b) Give an example of decrease in owner's capital and decrease in asset.

Q.7 a) Briefly explain accounting period principle.

b) State which accounting concept you would follow in dealing with the problems given below: -

## Class 11 Worksheet 1

The owner of the firm records his medical expenses in the firm's income statement. 3

Q.8 Explain the different users of Accounting information. 4

Q.9 State which of the following transactions are Capital Expenditure or Revenue Expenditure for a furniture business. 4

- a) Purchasing an item of furniture for use in the business
- b) Bought some furniture for reselling.
- c) Paid salaries to staff
- d) Paid for insurance premium of business building
- e) Electricity Bill paid
- f) Computer purchased for office use
- g) Installed an AC in the office
- h) Loading Van purchased for delivery of furniture to customers

Q.10 Show the accounting equation on the basis of the following transactions: 6

- i) Started business with cash Rs.60,000 and goods Rs.30,000.
- ii) Purchased goods from Sohan Rs.40,000. Paid by raising loan from SBI .
- iii) Bought refrigerator for personal use Rs.8,000 .
- iv) Goods costing Rs.20,000 sold at a loss of 5%, out of which Rs.12,000 received in cash.
- v) Rent received in advance Rs.4,000 .
- vi) Received cash from debtors Rs.5,000.
- vii) Telephone bill outstanding Rs.800.

**Activity:** On 1st May, 2025, a report was published in Economic Times, highlighting the shortage of Trained Accountants in the US. Could this be the breakthrough moment for public accounting firms in India? Do you think India can become a hub for accounting talent for the entire world? Collect and analyse the data and present it in a file.

**Subject: Economics**

No. of questions: 10

M.M. 25

- Q1. Evaluate the impact of production decisions on different sections of society. Who benefits from the allocation of resources in an economy, and how do producers decide whom to serve? 2
- Q2. Apply the concept of opportunity cost to decision-making. A business has ₹10,000 to invest either in machinery or employee training. How should it analyse its choice using opportunity cost? Provide a numerical example. 2
- Q3. Analyse the shape of a Production Possibility Curve (PPC) using economic reasoning. Why does increasing the production of one good require sacrificing increasingly larger amounts of another? 2
- Q4. Illustrate the concept of production possibility frontier in economic decision-making. How does a country's available resources determine its productive potential? 2
- Q5. Interpret different economic situations using graphical representation. Draw a PPC and mark:
- Underutilization of resources
  - Full employment of resources
  - Economic growth
- Explain the significance of each situation. 2
- Q6. Assess the trade-offs involved in choosing products for production. What factors influence the selection of goods in an economy, and how do different sectors compete for resources? 3
- Q7. Differentiate economic systems based on resource allocation and decision-making. How do planned economies and market economies approach production, distribution, and consumption differently? 3
- Q8. Evaluate the impact of unemployment on an economy's productive capacity. If massive unemployment occurs, what happens to the PPC, and how does it reflect changes in efficiency? 3
- Q9. Distinguish between normative and positive economics using real-world examples. How does normative economics shape policy decisions, and can you provide an example where it has influenced government action? 3
- Q10. Differentiate between returns to factor and returns to scale. 3

**Activity: You need to plan and budget a meal for a family of four within a certain budget constraint. You need to research food prices, plan a balanced meal, and calculate the total cost while considering factors like nutrition, taste, and dietary restrictions. You need to document your cooking process with photos or videos and reflect on the economic principles involved, such as scarcity, opportunity cost, and consumer choice.**

**Subject: History**

No. of questions: 10

M.M. 25

Q1. Name the first Roman emperor.	1
Q2. What does Pax Romana mean?	1
Q3. Which language was primarily used in the eastern Roman Empire?	1
Q4. Who was Tiberius ?	1
Q5. What was the significance of Roman citizenship in the empire?	2
Q6. Mention two differences between the Roman Republic and the Roman Empire.	2
Q7. What were the major trade routes that connected the Roman Empire with other parts of the world?	3
Q8. Describe the role of the army in maintaining the Roman Empire.	3
Q9. How did the Roman state deal with provincial populations and diverse cultures?	3
Q10. Examine the features of Roman society, economy, and governance. What made the Roman Empire unique among ancient empires?	8

Activity: Roman Empire Map Art.

Instructions

- Draw or print an outline map of the Roman Empire at its greatest extent.
- Color and label key provinces, cities, trade routes, and physical features (e.g., Mediterranean Sea, Alps).
- Add a legend/key and a creative title like “Rome Rules the World!”

**Subject: Political Science**

No. of questions: 10

M.M. 25

**Objective:** - To enable the students to know about the inventions of new concepts in world politics and constitution of India.

- To develop 21<sup>st</sup> century managerial skills of co-ordination, self-direction and time management.
- To understand contemporary political issues in context to our past.

To develop a global perspective and an international outlook

**Research Activity:-**

- a) Do a comparative study of the contemporary Constitutional provision of different countries regarding developments against corruption. Describe the positive changes in these constitutions regarding corruption in the last decade.
- b) Do research and make a PPT on those provisions/amendments of the constitution of India, which have been adopted to **control terrorism or anti-national movements** and compare these developments with the developments of other constitutions of the world.

**Project Work (Anyone topic):-**

- Impact of opinion polls in politics.
- The politics of water – interstate disputes.
- Separatist movement in India.
- Various media platforms used during political campaigns.
- How do candidates make their vote bank?
- Human rights act and its ratification in India.
- Caste reservations in India.
- Women and politics in India.
- Election reforest in India.
- Human Right Act and its gratification in India.
- Political impact on Indian Legislation.
- One Country One Election in India.
- Caste census in India.

- |     |   |   |
|-----|---|---|
| Q.1 | Write two main characteristics of the modern political theory.  | 1 |
| Q.2 | What does the person's self-relation work mean?   | 1 |
| Q.3 | What do you understand by socialism?  | 1 |
| Q.4 | What is political justice?  | 2 |
| Q.5 | Write four importance of rights.  | 2 |
| Q.6 | What is the value of the freedom of speech and expression? Can restrictions be imposed on this freedom? | 2 |
| Q.7 | Name any two ways in which Equality could be promoted.  | 2 |

Class 11 Worksheet 1

- Q.8 Discuss the utility of the study of Political Theory with reference to the following:
- i. Relevant to solving our Problems in life.
  - ii. Politics is essentially the Art of the Possible
- Q.9 Explain the Negative and Positive conceptions of liberty. What is the main difference between the two?
- Q.10 What are fundamental rights? What are basic rights mentioned in the Indian constitution?

4

4

6

**Subject: Geography**

No. of questions: 10

M.M. 25

- Q1 What is a gravity anomaly? 1
- Q2 Mention two hazardous effects of earthquake. 1
- Q3 Classify volcanoes according to the nature of the eruption. Name the most explosive volcano. 3
- Q4 Mention the types of forces acting on the surface of the earth. 2
- Q5 Explain the term solar wind. 2
- Q6 What is the density of the oceanic crust and continental crust? 2
- Q7 Name different types of volcanoes. 3
- Q8 Define tectonic plate. How many major plates are there on the earth's crust? 3
- Q9 Which earthquake wave can pass through all the medium of the earth? Give a reason. 3
- Q10. What is Pangea? Name the landmasses constituting it. Describe the breaking up of Pangea. 5

Activity: Fun with maps

**Objective:**

To improve students' map reading, interpretation, and creation skills.

**Materials Needed:**

Various maps (topographic, political, climate, etc.)

**Blank map outlines**

Colored pencils and markers

Rulers and compasses

**Activity Outline:**



**Find Your Birthday Coordinates**

Use the month for latitude and day for longitude. For example, if your birthday is November 26, your coordinates could be 11°N, 26°E. Or, you can make four sets of coordinates for your birthday, depending on whether you use north or south latitude or east or west longitude. Explore a world map and plot your birthday coordinates. What would it be like to have a party there? Give details of that place and the country's geographical features its political aspect and demographic constituency



**Subject: Psychology**

No. of questions: 10

M.M. 25

- Q1. Psychology is derived from two Greek words \_\_\_\_\_ & \_\_\_\_\_. 1
- Q2. First laboratory was set up by \_\_\_\_\_ & \_\_\_\_\_. 1
- Q3. What is organisational psychology? 2
- Q4. Define the introspective method. 2
- Q5. What do you mean by cognitive perspective? 2
- Q6. How did modern psychology begin? 2
- Q7. Vrisha studies in senior secondary and wants to be a journalist. How the knowledge of psychology would help her to become a professional journalist? 3
- Q8. Read the case and answer the questions that follow: 4

Arun is a student of psychology who is doing research work on human behaviour. He finds out that man's belief and understanding of human behaviour are not true. He also concludes that scientific knowledge generated by psychology often runs against common sense. To make it clearer, he conducts a study on some children. He was concerned with children who gave up too easily when faced with a difficult problem.

In a general way our common sense tells us to give them easy problems to increase their success rate so that their confidence goes up. only later should we give them difficult problems which they will be able to solve. whereas the second group had a mix of easy and difficult problems. When children faced difficult problems, they failed. Whenever this happened Arun told them that their failure was because they had not tried hard enough and persuaded them not to give up and keep trying. After the study was over, a new set of math problem were given to the groups. What Arun found goes against common belief. Those who had always succeeded because they were given easy problems, gave up much faster then they faced failure then those who had experience of both success and failure and were taught to attributes failure to their lack of efforts.

- i. Which of the following best describes children's hardiness in the study conducted by Arun?
- a. Commitment, control, challenge
  - b. challenge, control, calmness
  - c. commitment, confidence, control
  - d. control, commitment, conviction

## Class 11 Worksheet 1

ii. Which of the following is associated with the study conducted by Arun?

- a. past experience
- b. common sense
- c. future perspectives
- d. None of the above

iii. After conducting the study, Arun found out which of the following points?

- a. The scientific knowledge generated by psychology often runs against common sense.
- b. Common sense is always true.
- c. Psychology and common sense have the same notion.
- d. All of the above

iv. Which of the following is true about the study conducted by Arun?

- a. Arun took three groups of children for study.
- b. All the groups were equal in intelligence.
- c. The first group was much smarter than the rest.
- d. The first group was given easy problems, which they were always able to solve.

Q9. Praveen is a student of class 11, and he thinks that he is weak in studies as compared to others. He cannot perform well in any field. How can help Praveen in solving this problem?

4

Q10. "Positive thoughts can bring positive changes in bodily processes." Explain with the help of an appropriate example.

4

**Activity:** Think about the areas of Psychology that you have read in the textbook. Go through the textbook. go through the list given below and rank them from 1(most interesting) to 11(least interesting) Cognitive Psychology, biological psychology, Developmental Psychology, Social Psychology Cross-cultural and cultural psychology, Environmental psychology, sports psychology, education

**Subject: Physical Education**

No. of questions: 10	M.M. 25
Q.1. Enlist the different types of committees that were formed Post Independence	2
Q.2. Discuss the developmental process of first professional institution of physical education after independence.	2
Q.3. Describe the main objectives of Physical Education.	2
Q.4. Give any two definitions of Physical Education.	2
Q.5. Write a short note on technological development in the field of sports.	2
Q.6. Classify various playing surfaces in sports?	2
Q.7. What are advantages of using technology in sports?	2
Q.8. What do you think Wearable Gears and Sports Equipment?	3
Q.9. Explain the role of latest equipment in games?	3
Q10. How many kinds of courses and career options in Physical Education are available in India?	5

**Subject: Home Science**

No. of questions: 10

M.M. 25

Q1. Choose the correct option:

(1)

The study of fabrics is related to:

- i) Resource management
- ii) Food and nutrition
- iii) Textiles and Clothing
- iv) Human Development

Q2. Define Home Science.

(2)

Q3. Name the five major areas of Home Science.

(2)

Q4. Write two reasons why Home Science is considered a multidisciplinary field.

(2)

Q5. What are the objectives of studying Home Science?

(2)

Q6. Differentiate between a dietitian and a nutritionist

(2)

Q7. List any three career opportunities in the field of Home Science.

(3)

Q8. Why is Home Science important in daily life? Give two examples.

(3)

Q9. Explain the relevance of Home Science in family and community welfare.

(3)

Q10. Activity-based: Create a concept map showing how different branches of Home Science are interrelated.

(5)

**Subject: Painting**

**General Instructions: Please do practical work on A-3 sheet with 2 cm borders. It is for 20 marks.**

**Theory needs to be done in the notebook. It is for 5 marks**

M.M. 25

**Activity:**

- |   |    |
|---|----|
| Q1. Draw a still life with pencil shading. With 3 objects.                                    | 20 |
| Q2. Explain the significance of pre historic rock paintings in understanding early human life | 5  |