

# ASN Sr. Sec. School

Mayur Vihar – I

## Class IX

### SUMMER VACATION REVISION/PRACTICE ASSIGNMENT

#### English

**Task 1: Do the following pages of 'Together with English Language and Literature'**

- Reading assignments (Pg. 1 to 10)
- Integrated grammar exercises (Pg. 58 to 78)
- Assignments of the following literature topics (Beehive+ Moments): The Fun They Had, Road Not Taken, The Sound of Music, Wind, The Lost Child, The Adventures of Toto

**Task 2: The following assignments should be done in class work English Register**

#### ISHWARAN THE STORY TELLER

**Answer the following question in 20 to 30 words:-**

- What happened when the white elephant entered the school playground?
- How did Iswaran control the wild elephant?
- How did Mahendra see the female ghost?
- Mahendra resigned from his post and left the place. What do you think could be the reason?

**Answer the following questions in 120-150 words:-**

- Give a brief character sketch of Iswaran the story teller. Do you think he is superstitious?
- 'Ghosts are a figment of our imagination.' Discuss.

**Vocabulary :**

- Give the meanings of following words:

**Anecdotes, Deserted, Inimitable, auspicious, Reverse**

- Give the opposites of the following words:

**Enormous, Stretch, Credible, Recovered, Resisted**

#### THE HAPPY PRINCE

**Answer the following question in 20 to 30 words:**

- Why did the Happy Prince ask the swallow to stay?
- Where was the swallow going? Why did it stop near the statue?
- How did the Happy Prince help the seamstress?
- Why did the workmen at the foundry throw the leaden heart?
- How did the Happy Prince and the little swallow help the playwright?

**Answer the following questions in 120-150 words:-**

- How did the Happy Prince help the poor and the starving children? What lesson you learn from the story?

**Vocabulary :**

- Give the meanings of following words:

**Gilded, Hilt, Drenched, Pedestal, Pricked**

- Give the opposites of the following words:

**Pity, sorrow, coarse, bare, shabby**

#### In the kingdom of fools

- What are the two strange things the guru and his disciple find in the kingdom of fools?

2. How does the guru manage to save the disciple's life?
3. What are the Guru's words of wisdom? When does the disciple remember them?
4. Why did the disciple become fat?
5. How did the thief die?
5. Why did the merchant want to punish the merchant? How did he defend himself?
6. What was the dancing girl blamed for? How did she defend herself?

**Answer the following questions in 120-150 words:-**

1. In the story, how did the Guru manage to rescue the kingdom ?
2. The disciple was in trouble because he was greedy. The king and his minister also met their end because of greed. Elaborate.

**Vocabulary :**

- Give the meanings of following words:

**Collapsed, Pursuing, Compensate, Summoned, Execution, Scoundrel**

- Give the opposites of the following words:

**Delighted, Ancient, Distracted, Immediately, Confusion**

**Weathering the Storm in Ersama**

**Answer the following question in 20 to 30 words:**

1. Where had Prashant gone on 27<sup>th</sup> October, 1999? Why?
2. Why was falling of two coconut trees on the roof of Prashant's friend's house a blessing in disguise?
3. What was the effect of cyclone on Prashant's village ?
4. What did Prashant do for the orphans?
5. What did Prashant do to divert the attention of the women?
6. Narrate the storm in Ersama in your own words.

**Answer the following questions in 120-150 words:-**

1. The true traits of an individual come to the fore in times of emergency. What traits come to one's notice in the case of Prashant during the calamity that struck Ersama in coastal Orissa?
2. In adversity, people like Prashant get extraordinary determination and power to fight. Do you agree that adversity or crisis brings people closer?

**Vocabulary :**

- Give the synonyms of following words:

**Witnessed, Incessant, bloated, bereaved, incessant**

- Give the antonyms of the following words:

**Swiftly, fallen , froze , dangerous, desperate**

विषय -- हिन्दी

❖ निम्नलिखित शब्दों के वर्ण-विच्छेद कीजिए --

सहोदर, व्यवस्था, मिश्रित, नक्षत्र, वातावरण, एकादशी, चमकीला, सन्यासी, नीलकंठ, घृणित

❖ निम्नलिखित शब्दों में उचित स्थान पर अनुस्वार एवं अनुनासिक लगाइये --

अगुली, कधा, सैतीस, दूगा, वशज, ठडा, जग, दड, जमीदार, पाच, बासुरी, फुकार, सगिनी, अश, पाडव, हसमुख, मेहदी, आख, जिदादिल, शख

❖ निम्नलिखित शब्दों में उचित स्थान पर नुक्ता लगाओ --

जर्रा, फिजा, जंजीर, जहर, खफा, फौरन, रफू, फरमाइश, जुल्फ, फनकार

❖ निम्नलिखित अनौपचारिक पत्र लिखिये --

1. विदेश यात्रा पर जाने वाले मित्र परीक्षित को उसकी मंगलमय यात्रा की कामना करते हुए अनुराग की ओर से एक शुभकामना पत्र लिखिए।
2. जन्मदिन के अवसर पर बड़े भाई की ओर से भेजे गए उपहार के लिए धन्यवाद करते हुए पत्र लिखो।
3. हिन्दी पढ़ने के लाभ बताते हुए सपना की ओर से अपने चाचा जी को पत्र।

❖ अधोलिखित चित्रवर्णन कीजिये ।

1. किसी महापुरुष का चित्र बनाकर या लगाकर यथोचित वर्णन कीजिए।
2. ऐतिहासिक स्थल का चित्र लगाकर उसका वर्णन कीजिए।
3. आपकी अविस्मरणीय यात्रा का चित्र लगाकर वर्णन कीजिए।

➤ नोट -- दिया गया गृहकार्य हिन्दी उत्तर पुस्तिका में ही करें।

**MATHEMATICS (041)**

**A. Following questions from NCERT EIXEMPLAR need to be done in the class register:** (Practice Assignment)

EIXercise	Question Numbers
EIX. 1.1	1,2,3,4,5,6,7,11,15,18,19,20,21
EIX 1.2	4
EIX. 1.3	1,3,5,6,7,9,10,11,12,14
EIX. 1.4	Complete
EIX. 2.1	1,5,8,10,11,14,15,17,18,20,21
2.2	1
2.3	1,2,5,6,13,16,18,19,20,22,23,24,28,30,32,37,38
2.4	1,2,3,5,8
3.1	1,4,5,20,23,24
3.3	3,6,7,8
3.4	4,5

**B. Practice Spatial sense, Observation sense and Logical sense reasoning eIXercises from 'REASONING TRAINER BOOK'.**

**SOCIAL SCIENCE**

- Q1) "Countries like japan did not have any natural resources still they are developed countries." Give reasons.
- Q2)"Investment in human capital yields a return just like investment in physical capital" Explain .
- Q3)What steps have been taken by the govt. to improve the literacy level in India?
- Q4)Define unemployment, what are major factors responsible for unemployment in India?
- Q5)Why activities included in tertiary sector are called the linking activities?
- Q6)Discuss the vicious circle of human capital formation?
- Q7)How is the peninsular shape of our country helpful to us?
- Q8)How are riverine islands formed?
- Q9)What is an alluvial plain?
- Q10)Categorize the northern plains on the basis of alluvium
- Q11)Name the three valleys of Himalayas.
- Q12)How have mountain passes in north India helped to maintain relations with rest of the world?
- Q13)How do tectonic activities shape landforms?
- Q14)What are the flaws in democratic govt ?
- Q15)What is the role of press in a good democratic govt?
- Q16)How was segregation carried out by whites?

Q17) Why is South Africa constitution called the finest constitution of the world?

Q18) What kind of compromise was made between the blacks and whites after South Africa became a democracy?

Q19) Why was making of the Indian constitution not an easy affair?

Q20) State the salient features of the Constitution of India.

### **PROJECT ON DISASTER MANAGEMENT (Subject Enrichment)**

**(As per CBSE Guideline)**

India is one of the most disaster prone countries of the world. Disaster is of two types- Natural and Human induced. To acquire knowledge, prepare a project report on the following topic. The Project report should be hand written by the students themselves and comprise of not more than 15 pages.

Make a report on any one topic and on the following Guidelines:

#### **Topic:**

1. Flood
2. Earthquake
3. Landslide
4. Cyclone
5. Drought
6. Chemical Disaster
7. Biological Disaster
8. Nuclear Disaster

#### **Project file must include the following points**

#### **Guidelines:**

1. Acknowledgement
2. Index
3. Introduction
4. Content with Illustration covering (Location, causes, mitigation, rehabilitation plan, role of community, Pictures data, case study )
5. Mapping
6. Analysis
7. Summary/conclusion
8. Bibliography

### **INFORMATION TECHNOLOGY / ARTIFICIAL INTELLIGENCE**

A) Create a Presentation in **Sway** or **Powerpoint** in **OFFICE 365** and share the link on **Microsoft team**

#### **Roll No.**

**1-10**

**11-20**

**21-30**

**31-40**

**41 onwards**

#### **Topics**

**Cyber Terrorism**

**Biometric Voting System**

**How E-Waste is Toxic to Your Health**

**Are Chemical Weapons Worse Than Conventional Attacks**

**How do Elections Affect the Economy**

B) Answer the following questions:

Q1.) Difference between Speech Synthesis and Speech recognition.

Q2.) Write short notes on:

- a) Dot-matrix printer
- b) Inkjet printer
- c) Drum printer
- d) Laser printer

Q3.) Difference between the characteristics of primary and secondary storage of a computer system?

## **SCIENCE**

### **Physics**

1. Carry out the following conversions:

- a) 10m/s to km/h.
- b) 10km/h to m/s.
- c) 10m/s to m/min.

2. A car travels a certain distance with a speed of 50km/h and returns with a speed of 40km/h. Calculate the average speed for the whole journey?

3. Difference between. (Any 2 points)

- a) Scalar and Vector quantities.
- b) Distance and Displacement.
- c) Speed and Velocity.

4. A car is moving at a uniform speed of 108km/h. On applying break it comes to rest covering a distance of 60m. Calculate retardation & time taken by the car to come to rest?

5. Plot an IX-t graph for Uniform and Non-uniform motion. And also enlist any two points of differences between the same.

6. Derive graphically the third equation of motion.

7. A cyclist goes once around a circular track of diameter 105m in 5 min. Calculate its speed.

8. A car covers a distance of 1240 in 6 minutes. Find its speed in a) km/ hr b) m/s

9. When the object is thrown vertically upward and come back to you, plot the displacement time graph and velocity time graph for this case.

10. Why uniform circular motion is regarded as accelerated motion?

### **CHEMISTRY**

1. Why do solids have a regular geometrical shape?

2. Why are gases compressible but not liquids?

3. Which gas is called dry ice? Why?

4. Why do we feel comfortable under a fan when we are perspiring?

5. Why does tree acquire more leaves during summer?

6. Why does the temperature of a substance remain constant during its melting point or boiling point?

7. Why do the doctors advice to put strips of wet cloth on the forehead of a person having high fever?

8. Ordinary water boils at 100°C, can it be made to boil at 95 °C or 105 °C.

9. The substance IX normally exist in a physical state which can flow easily but does not fill the vessel completely it also turns anhydrous copper sulphate blue. When substance IX is heated excessively, it changes into substance Y which has a fixed shape as well as a fixed volume. If however the substance IX is heated strongly, it changes into the substance Z which has neither a fixed shape nor fixed volume.

Name the substance IX, Y and Z.

### **BIOLOGY**

Q1. Match the following:

I. Single matching

Column I

- a) Nucleus
- b) Mitochondria

Column II

- i. Cellulose
- ii. Double membrane

c) Cell wall

d) Vacuole.

iii. Cell sap

iv. Power house

II. Double matching

- Column I
- a) Multicellular organisms
  - b) Plasma membrane
  - c) Mitochondria
  - d) Lysosomes

- Column II
- i. Lipids
  - ii. Plants
  - iii. Digestive enzymes
  - iv. Outer porous membr

- Column III
- 1 Suicide bags
  - 2. Inner folded
  - 3. Proteins
  - 4. Animals.

Q2. Name the organelles that contain genetic material.

Q3. Why are lysosomes called as suicidal bags?

Q3. Name the three types of plastids and the functions they perform.

Q4. EXpand: RER, SER, DNA, ATP and ER.

Q5. Shape and size of cells are related to the function they perform. EIXplain with eIXample.

Q6. A special process helps in the intake of oIXygen inside the cells and release of carbon dioIXide from the cells. Name the process.

Q7. Define Osmosis and Plasmolysis.

Q8. *Amoeba* is able to engulf its food due to the fleIXibility of the cell membrane. What is this process called as?

Q9. Egg membranes from three eggs were carefully taken out and labeled as A, B and C. Each of these membranes were filled with 1% solution of sugar. Membrane A was immersed in 0.5% sugar solution, Membrane B was immersed in 1% sugar solution and Membrane C was immersed in 2% sugar solution. Predict the behaviour of the three membranes.

Q10. Give four differences between the eukaryotic and prokaryotic cells.

Q11. Differentiate between plant cell and animal cell on the basis of: Cell wall, vacuole and plastids.

Q12. Give the functions of the following (in one line)

- a) Cell wall
- b) Cell membrane
- c) Nucleus
- d) Mitochondria
- e) Golgi apparatus
- f) Lysosomes
- g) Plastids
- h) SER
- i) RER
- j) Ribosomes

Q13. State the similarity between mitochondria and plastids.

Q14. Name the substances stored in Vacuole.

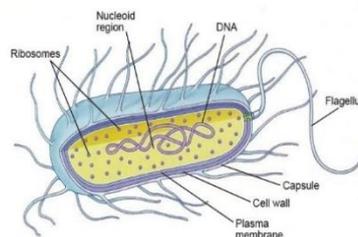
Q15. What is the percentage of plant cell volume does the central vacuole occupy?

Q16. Different parts of a cell are shown in the following diagram. Study the parts and in the table given write the names of each part in the appropriate column.

Found in plant cells only    Found in animal cells only

Found both in plant and animal cells

PROKARYOTIC CELL



## **GERMAN**

Make a scroll showing German education system. Write from kindergarten till Higher Education.

1. Make a PPT on Germany showing German cities, Rivers, Neighbouring countries..... (**NOT MORE THAN 10 SLIDES**)
2. Design a colourful and attractive cover page of school magazine representing Germany. Magazine should consist of 6 pages. It should cover topics like FAMOUS PLACES, PERSONALITIES AND FESTIVALS.
3. Make a Techno wheel of comparative study between INDIA & GERMANY showing dresses , Food & Culture of both countries.

### **INSTRUCTIONS:-**

- 1) Do not forget to design it beautifully with the help of Pictures , drawings , and photos.....
- 2) make the wheel in 12 inch. Diameter on the cardboard.