

# Delhi Modern Public School Pampore.

## PORTFOLIO FOR CLASS IX (9) [SESSION 2022-2023]

### SUBJECT: ENGLISH

#### Exercise I.(Creative Work):

- (i) Imagine you had a good snowy day, and you made a snowman. Recount your experience and sum up in a paragraph
- (ii) Refer to the story, 'The Happy Prince'. Imagine two portraits of the Happy Prince, when he is in lustre and when he lacks lustre. Evaluate both with appropriate words, keeping in view what comes from the Art Professor and what God appreciates.
- (iii) Read the prose 'The Tempest I & II, discuss the story with your parents/siblings. Incorporate their views into your appreciation of the story, and shape a good write-up.

#### Exercise II

##### Put the verbs into the correct tense (simple present or present progressive)

1. Look! Sara (go)\_\_\_\_\_to the movies.
2. On her right hand, Sara (carry)\_\_\_\_\_her handbag.
3. The handbag (be)\_\_\_\_\_very beautiful.
4. Sara usually (put)\_\_\_\_\_on black shoes but now she (wear)\_\_\_\_\_white trainers.
5. And look, she (take)\_\_\_\_\_an umbrella because it (rain)\_\_\_\_\_.

##### Put the verbs into the correct tense (simple past or past perfect)

1. When he (wake up)\_\_\_\_\_, his mother (already /prepare)\_\_\_\_\_ breakfast.
2. We (go)\_\_\_\_\_to London because our friends (invite)\_\_\_\_\_us.
3. He (hear)\_\_\_\_\_the news, (go)\_\_\_\_\_to the telephone and (call) \_\_\_\_\_a friend.
4. When she (start)\_\_\_\_\_learning English she (already /learn)\_\_\_\_\_French.
5. Jane (already / type)\_\_\_\_\_three pages when her computer (crash)\_\_\_\_\_.
6. By the time the doctor (arrive)\_\_\_\_\_at the house the patient ( die)\_\_\_\_\_.
7. Before that day we (never / think)\_\_\_\_\_of traveling to Japan.
8. I (know)\_\_\_\_\_him a long time before I (meet)\_\_\_\_\_his family.
9. They (not / know)\_\_\_\_\_where to meet because nobody (tell)\_\_\_\_\_them.

##### Put the verbs into the correct tense (simple past or present perfect).

1. I (just / finish)\_\_\_\_\_my homework.
2. Mary (already / write)\_\_\_\_\_five letters.
3. Tom (move)\_\_\_\_\_to his home town in 1994.
4. My friend (be)\_\_\_\_\_in Canada two years ago.
5. I (not / be)\_\_\_\_\_to Canada so far.
6. But I (already / travel)\_\_\_\_\_to London a couple of times.
7. Last week, Mary and Paul (go)\_\_\_\_\_to the cinema.
8. I can't take any pictures because I (not /buy)\_\_\_\_\_a new film yet.

##### Put the verbs into the correct tense (Simple Past or Past Progressive).

1. The receptionist (welcome)\_\_\_\_\_the guests and (ask)\_\_\_\_\_them to fill in the form
2. The car (break)\_\_\_\_\_down and we (have)\_\_\_\_\_to walk home.
3. The boys (swim)\_\_\_\_\_while the girls (sunbath)\_\_\_\_\_.
4. My father (come)\_\_\_\_\_in, (look)\_\_\_\_\_and (tell)\_\_\_\_\_me to tidy up my room.
5. While one group (prepare)\_\_\_\_\_dinner the others (collect)\_\_\_\_\_wood for the campfire.
6. While the parents (have)\_\_\_\_\_breakfast the children (run)\_\_\_\_\_about.
7. Martha (turn)\_\_\_\_\_off the light and (go)\_\_\_\_\_to bed.

##### Put the verbs into the correct tense (simple future or future perfect)

1. Tomorrow I think I (start)\_\_\_\_\_my new project.

2. I (finish)\_\_\_\_\_it by the end of this month.
3. The teacher (probably/assign)\_\_\_\_\_a test to his students next Monday.
4. He (correct)\_\_\_\_\_ it by the end of next week.
5. My friend (certainly/get)\_\_\_\_\_ a good mark.
6. By 9 o'clock, we (finish)\_\_\_\_\_our homework.
7. They (leave)\_\_\_\_\_the classroom by the end of the hour.
8. I think I (start)\_\_\_\_\_ my trip tomorrow.

### **Exercise III**

**Read the following sentences and change them into reported speech.**

1. Ahmad said, "I have been writing this letter."
2. I said, "Sam's driving the car."
3. My uncle said, "I am cooking lunch."
4. My brother said, "I had already eaten."
5. The old lady said to the girl, "Where do you come from?"
6. Sahil said, "I like to play rugby."
7. My mother said, "I get up early every morning."  
The maths teacher said, "Three divided by three is one."
8. Nimrah said, "Switzerland is a very beautiful country."
9. Ruben said, "It is very cold outside."
10. The teacher said, "The French Revolution took place in 1789."
11. Uma said, "I saw a Royal Bengal Tiger in the zoo."
12. Siba said, "I can do this homework."
13. Ainain said to her mother, "I have passed the test".
14. Daphne said to Antony, "I will go to London tomorrow."
15. The boy said, "My father is sleeping."
16. The traffic police said to us, "Where are you going?"
17. The man shouted, "Let me go."
18. Shivina said, "Alas! I am lost."
19. "I know her contact number," said Helena.

### **SUBJECT: MATH**

- Q1. With the help of chart paper and craft paper, prove that the angle subtended by an arc at the centre of the circle is twice the angle subtended by it on the remaining part of the circle.
- Q2. With the help of chart paper and craft paper, prove that opposite angles of a cyclic quadrilateral are supplementary.
- Q3. Verify that the area of a sphere is  $4\pi r^2$ . (Hint: Material required – A ball, Jute string or thick wool, Fevicol, White paper, Geometry box, measuring tape)
- Q4. Record observations daily with regard to the time spent by you on studies for 15 days. Find the Mean, Median and Mode of data recorded.

### **SUBJECT: SCIENCE**

#### **PHYSICS**

- Q1. Sound of explosions taking place on other planets are not heard by a person on the earth. Explain, why?
- Q2. Represent the following sound waves diagrammatically.
  - i) Waves having same amplitude but different frequencies
  - ii) Waves having same frequency but different amplitudes
- Q3. An echo is heard on a day when temperature is about 22°C, will the echo be heard sooner or later, if the temperature falls to 4°C ?
- Q4. When we put our ear on a railway track, we can hear the sound of an approaching train even when the

train is not visible, but its sound can not be heard through air. Why?

- Q5. Draw a well labelled diagram showing the structure of a human ear. Explain the function of its different parts?
- Q6. A stone is dropped from a 50m tall building into a pool. When is sound of splash heard at the top?  
{ $g=10\text{m/s}^2$ } { $v=340\text{m/s}$ }
- Q7. A wave is moving in air with a velocity of 340 m/s, calculate the wave length if its frequency is 512 Hz.

### **CHEMISTRY**

- Q1. Explain how the two atoms of the same elements are identical?
- Q2. Explain why protons do not fly off from the nucleus? What holds them together?
- Q3. Draw the atomic structures of the following elements:  
a) carbon                      b) oxygen  
c) sodium                      d) calcium
- Q4. Why Bohr's orbits are called energy levels?
- Q5. State and explain the law of Bohr-bury scheme?
- Q6. Draw a neat and well labelled diagram of the apparatus used in gold foil experiment
- Q7. Give properties of nucleons and explain and explain their position in an atom
- Q8. What are ions? Explain their types with examples.
- Q9. Name some isotopes used in the treatment of cancer.

### **BIOLOGY**

- Q1. Prepare a report on "Effect of global warming on Natural Resources and Agricultural productivity".
- Q2. "Urbanisation and industrialization are mainly responsible for an increase in environmental pollution ". Justify the statement and suggest ways and means to check it.
- Q3. Prepare a report on  
a) Drug abuse on rise among youth in Kashmir  
b) Consequences of drug abuse on society  
c) Measures to curb drug abuse in Kashmir
- Q4. "Preventive approach on drug abuse in better than curative approach ". Justify the statement.
- Q5. Prepare a report on "Junk food and its toxic effects on youth".

### **SUBJECT: SOCIAL SCIENCE**

- Q1. Give a detailed account on role played by Indian Army & Local Activists in pushing back Tribal invaders in J&K.
- Q2. Give a detailed account on mobile schools for Pastoral Nomads in J&K.
- Q3. Explain in detail, how afforestation activities make pastoralists in the Indian Himalaya vulnerable.
- Q4. Prepare a pictorial dictionary based on the physical features of earth in the alphabetical order.
- Q5. On a physical outline map of UT J&K and UT Ladakh, mark major physical divisions.

