

# **RSM PUBLIC SCHOOL, SUPAUL**

## **Summer Vacation Assignment-2022**

**Class 9th**

### **Subject- Information Technology**

1. Why is it important to communicate? Explain.
2. State the 7Cs of communication.
3. Explain the 3 P's of public speaking?
4. What do you understand about Phonetics? Explain it.
5. What is the role of gestures and body language in the non-verbal communication?
6. Enlist and explain any five factors affecting the perspectives in communication.

### **Subject- English**

1. **Read the passage given below and answer the questions that follow:**

#### **Puri Tourism**

One of the four must-visit pilgrimage sites for Hindus(Char-Dham), Puri is a beach city with its most famous attraction being the Jagannath temple.

Known as the resting place of Lord Shiva, Puri in the state of Orissa is situated alongside the coast of Bay of Bengal. This town is home to one of the most sacred temples in Hindu mythology, the Jagannath Temple. The majestic history and hertiage of Puri date back to the 3rd century B. C. Puri, Konark and Bhubaneshwar complete the Golden Triangle of Orissa, with their religious significance and cultural hertiage being the centres of tourism in this state. There are a lot of places near Puri that one must visit, like the Chilika lake, Puri beach, Gundicha Ghar and the very famous Sun temple of Konark. Puri is soon turning into an industrial hub with major manufacturing companies coming here. The Rath Yatra (chariot festival) which takes place during month of June-July should not be missed if you are planning to visit during this time.

- Puri is a city and a municipality in the state of Odisha in eastern India. It is the district headquarters of Puri district and is situated on the Bay of Bengal, 60 kilometres (37 mi) south of the state capital of Bhubaneswar. It is also known as Sri Jagannath Dham after the 12th-century Jagannath Temple located in the city. It is one of the original Char Dham pilgrimage sites for Hindus.

Puri is known by several names since the ancient times, and was locally known as "Shrikhetra" and Lord Jagannath temple is known as "Badadeula". Puri and the Jagannath Temple were invaded 18 times by Hindu and Muslim rulers, from the 4th century AD till the early 19th tentury with the objective of looting the treasures of the temple. Odisha, including Puri and its temple, were under the British Raj from 1803 till India attained independence in August 1947. Even though princely states do not exist in India today the heirs of the Gajapati Dynasty of Khurda still perform the ritual duties of the temple. The temple town has many Hindu religious maths or monasteries.

### Word-Meanings

pilgrimage	:	journey to a holy place	heritage	:	history and traditions a country has had for many years
attraction	:	fascination			
sacred	:	holy	looting	:	robbing
Majestic	:	grand	monasteries	:	buildings where monks live together

#### Answer the following questions:

1. Name the most famous attraction for the pilgrims of Puri.
2. What is Puri known as?
3. Name the cities which comprise the Golden Triangle of Orissa.
4. What are the worth seeing places in Puri?
5. When does the Rath Yatra take place?
6. Where is Puri situated?

#### On the basis of your reading of the above passage fill in the following blanks with co

- (i) The Jagannath temple is one of the most sacred temples \_\_\_\_\_.  
(a) of Lord Shiva (b) in Hindu mythology (c) in Bhubaneswar (d) in Konark
- (ii) Puri is a city in the state of Odisha \_\_\_\_\_.  
(a) in northern India  
(b) in southern India  
(c) in eastern India  
(d) in western India

**2. The cult of violence has taken roots in our psyche. We resort to violence on trivial matters. The cases of riots and arsoning are on the increase in our cities and towns. Looking at the given visual, write an article on 'The cult of violence' in about 100-150 words. You are Roshan/Geeta.**



**3. You are the proprietor of Kamel Garments, Chaura Bazar, Ludhiana. Write a letter to the Sales Manager, Monte Carlo Collections, 10-11 Sarojini Nagar Market, New Delhi, making inquiries about its range of products, prices, etc**

**4. Keeping in view the steps being taken by the government for adult education, write an article in 100-120 words on 'The significance of education'.**

**5. Arrange the following into meaningful sentences.**

- (a) the sun/not play/outside/is shining/too/brightly/so better.
- (b) no/difference/makes/it/you/if/someone else/asked/to do it
- (c) no laughing matter/it is/you/pushed/younger brother/your/into/a/of water/puddle that
- (d) rains/before/it/must/up/pick/the clothes/from the/clothesline/you
- (e) you/must/always/be/so/formal?

**6. Write the synonyms of following words.**

- (a) Accumulation
- (b) Adaptation
- (c) Behaviour
- (d) Calamity
- (e) Circumstances
- (f) Gratitude
- (g) Hallucination
- (h) Hindrance
- (i) Tyrant
- (j) Vacant

**7. Answer the following questions**

1. The poem 'The Road Not Taken' presents a dilemma of a man in a particular situation. Discuss.
2. Give the theme of the poem "Wind".
3. The patter of the rain on the roof is very suggestive. How?
4. Give an account of the achievements of Bismillah Khan.
5. Justify the title of the story "The Fun They Had".

**Subject- Hindi (हिन्दी)**

1. 'दो बैलों की कथा' कहानी के माध्यम से कौन-कौन से नीति-विषयक मूल्य उभर कर आए हैं?
2. किन घटनाओं से पता चलता है कि हीरा और मोती में गहरी दोस्ती थी?
3. पक्षियों से संबंधित कोई कविता लिखें।
4. 'कबीर' के अनुसार ईश्वर को पाने के लिए क्या करना चाहिए?
5. 'किसी व्यक्ति की पहचान उसके जन्म से होती है या उसके कर्म से' उदाहरण के साथ स्पष्ट करें।
6. अति, अप, अधि तथा अनु उपसर्ग से पाँच-पाँच शब्द बनाएँ।
7. निम्नलिखित शब्दों के तत्सम रूप लिखिए-  
पखापाखी, अनत, जोग, जुगती, बैराग, निरपख।
8. परियोजना कार्य - 'जल संरक्षण' (कार्डबोर्ड पर बनाएँ)

**Subject- Science**  
**[Physics]**

Q.1 How will you describe the location of a body?

Q.2 How can you say that motion is relative term?

- Q.3 Distinguish between uniform motion and nonuniform motion.
- Q.4 Distinguish between distance & displacement.
- Q.5 Define speed, average speed & velocity.
- Q.6 Derive a formula to measure acceleration.
- Q.7 Derive three equations of motion graphically.
- Q.8 what is uniform circular motion? How will you calculate speed of body in circular motion?
- Q.9 A car starting from rest moves with uniform acceleration  $0.1\text{m/s}^2$  for 1 minute. Find the velocity attained & distance covered by the car.
- Q.10 A train is travelling at a speed of  $100\text{km/h}$  producing  $-0.5\text{m/s}^2$  acceleration. How far does it travel before come to rest?

### **[Chemistry]**

- Q.1 What is diffusion? Explain diffusion in two gases with examples.
- Q.2 What is Brownian motion?
- Q.3 Explain particles of matter have space between them.
- Q.4 Why a solid has fixed shape and fixed volume?

### **[Biology]**

- Q.1 Express the followings in one word.
- (a) A cell which lacks nuclear membrane.
  - (b) An organelle known as Kitchen of cell.
  - (c) Type of solution in which cell shrinks.
  - (d) A non-living component of plant cell.
  - (e) An Organelle known as suicide bag of a cell.
- Q.2 List the differences between:-
- (a) Plant cell and an animal cell.
  - (b) Prokaryotic cell and Eukaryotic cell.
  - (c) Cell-membrane and cell-wall.
- Q.3 To write the answer of questions of page No- 61 and 65.
- Q.4 To draw and label the following: -
- (a) An Animal cell
  - (b) Mitochondria

### **Subject- Social Science**

#### **[History]**

1. Explain the role of Philosopher in the French Revolution of 1789.
2. Describe the main features of the constitution of 1791. Mention any five points.

#### **[Geography]**

3. The sun rises two hours earlier in eastern parts of Arunachal Pradesh as compared to Jaishalmer in the west but the watches show the same time. How does it happen?
4. Highlight the significance of geographical location of India?

#### **[Economics]**

5. Explain the various factors of Production.
6. Explain the ill effect of green revolution.

ग्रीष्मावकाशीय गृह कार्यम् 2022 - 2023

कक्षा नवम् संस्कृतम्

1. भारतीयसन्तगीतिः पाठे वीणायाः चर्चा अस्ति। अन्येषां पंच वाद्ययन्त्राणां चित्रं रचयित्वा संकलय्य वा तेषां नामानि लिखत। ( परियोजना कार्यम् )
2. नद्याः एकं सुन्दरं चित्रं निर्माणं संकलय्य वा वर्णयत यत् तस्याः तीरे मनुष्याः पशवः खगाश्च निर्विघ्नं जलं पिबन्ति। ( परियोजना कार्यम् )
3. “परिश्रमस्य महत्त्वम्” इति विषये हिन्दी भाषयाः आङ्ग्लभाषया वा पंच वाक्यानि लिखत। ( परियोजना कार्यम् )
4. सन्धि-विच्छेदं कुरुत।
  - i. विद्यार्थी
  - ii. तथास्तु
  - iii. महीशः
  - iv. लम्बोदरः
  - v. अन्वयः
  - vi. मध्वरिः
  - vii. एकैकम्
  - viii. अभ्युक्ति
5. संस्कृते अनुवादं कुरुत
  - a. उद्यान में बालक और बालिकाएँ खेल रहे हैं।
  - b. भारद्वाज मुनि यहाँ आश्रम बनाकर रहते थे।
  - c. पर्यावरण रक्षण में सूर्य की महान भूमिका है।
  - d. कवियों में कालिदास श्रेष्ठ है।
  - e. भारत हमारा देश है।
  - f. हमारे विद्यालय के शिक्षकगण विद्वान हैं।

**Subject – Mathematics**

1. Find five rational numbers between 1 and 2.
2. Locate  $\sqrt{3}, \sqrt{5}$  on the number line.
3. Write three numbers whose decimal expansions are non-terminating non-recurring.
4. find the decimal expansion of  $10/3, 7/8, 1/7$ .
5. Find an irrational number between  $1/7$  and  $2/7$ .
6. If  $P(x) = x+3$ , then find the value of  $p(x) + p(-x)$ .
7. Expand  $(2x+y+3z)^2$ .
8. If  $x+1$  is a factor of  $ax^3 + x^2 - 2x + 4a - 9$ , find the value of  $a$ .
9. Factorise  $8x^2 + 64$ .
10. Evaluate  $(102)^3$ .

11. Factorise  $27x^3 + y^3 + z^3 - 9xyz$ .
12. If  $a + b + c = 5$  and  $ab + bc + ca = 10$ , then **Prove that**  $a^3 + b^3 + c^3 - 3abc = -25$ .
13. If  $x^2 + kx + 6 = (x+2)(x+3)$  for all  $x$ , then find the value of  $k$ .
14. Solve Exercise 1.5.
15. Solve Exercise 1.6.

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