

## **HOLIDAYS HOMEWORK**

### **CLASS -IX (2019)**

### **SUBJECT-MATHEMATICS**

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1. Do very short questions from Chapter no 1. “Number systems”

Page 65, Q. No 1 –23.

2. Do Exercise 1(G) of Chapter 1. Page 63,Q. No1 – 18.

3. Do Exercise 2(D) of Chapter 2 “Polynomials” Page 91,Q. No 17 – 26.

4. Do Exercise 5 of Chapter 3 “Coordinate Geometry” Page 175, Q. No6 & 7.

5. Do Exercise 7 Cof Chapter 6 “Lines & Angles” Page 223, Q. No1,3,5,7,8.

6. Prepare a Project on “A-4 sheets” (8 to 10 Sheets).

a) For Roll no1 to 20 on Topic “Number Systems.”

b) For Roll no 21 to40 on Topic “Indian Mathematicians.”

## SCIENCE

Q1. Surgeons quite perform minor surgeries on a portion of skin by spraying ether which has very low boiling point. Explain why?

Q2. Scientists have discovered two more states of matter in addition to solid, liquid and gases. Discuss these two states in detail.

Q3. Drinking liquids is essential to hydrate your body during the summers. Enlist the liquids consumed commonly for this purpose. Classify them as a true solution, suspension and collides.

Q4. Take a piece of thread and tie a small piece of stone at one of its end. Move the stone in a circular path with constant speed by holding the thread at the other end. Explain the direction in which the stone moves if the thread is broken.

Q5. Draw a graph between distance and time for uniform and non uniform motion.

Q6. Make a herbarium of cereals, pulses and oil seeds and identify the seasons of sowing and harvesting.

Q7. Collect interesting information about the discovery of cell and scientists associated with it. Pictures and information may be collected from internet and reference books.

Q8. Revise covered syllabus for PWT-I

## **Social Science**

1. Prepare a project report on the topic- **‘Disaster Management’**. While preparing the project, the points to be kept in mind are:
  - The report should be handwritten.
  - The report should not be more than 20 pages (excluding cover sheet and separators).
  - Use maps, pictures, diagrams and relevant data for illustration.
  - The collected data should have a reliable source and that should be mentioned with it.
  - Use eco-friendly products for the project.

The objectives of the project are:

- To create awareness in students about different disasters, their consequences and management.
- To prepare them in advance to face such situations.
- To ensure their participation in disaster mitigation plans.
- To enable them to create awareness and preparedness among the community.

2. Revise the covered syllabus for PWT-I.

## **SUBJECT : INFORMATION TECHNOLOGY**

Q.1. Create a Poster in MS-Word which can be displayed on the bulletin board on any one of the topics given below:

(a) Internet of Things (b) Artificial Intelligence (c) Machine Learning (d) Robots

Q.2. Make a calendar of 2019 in MS-Excel using Autofill feature for dates/days/months.

Q.3. Make a presentation on “60 Glorious Years of PRABHU DAYAL PUBLIC SCHOOL” and mail it to [pdps2019ix@gmail.com](mailto:pdps2019ix@gmail.com) as well as to yourself.

Q.4. Create an E-mail account on GMAIL. Your username should include your name(eg. **amit**) followed by **pdps** followed by **2019** followed by **ix** followed by your section(eg.**e**) followed by your rollno.(eg. **32**)i.e. [amitpdps2019ixe32@gmail.com](mailto:amitpdps2019ixe32@gmail.com)

Attach your holidays homework files and send it through this e-mail id it to your teacher.

**NOTE** : You may take help of internet for doing your holidays homework. Plagiarism is not allowed.

## **ENGLISH**

- I. Prepare a short project report on life history and achievements of Robert Frost.
- II. Write article on the following topics:
  1. Road Rage
  2. Global warming
- III. Read the following novels:
  1. Gulliver's Travel- Jonathan Swift
  2. Three Men In A Boat- Jerome K Jerome

Write summary in about 250-300 words.

Write the character sketch of your two favorite characters.

- IV. Revise the syllabus covered in the class.

प्रभुदयाल पब्लिक स्कूल  
ग्रीष्म अवकाश गृहकार्य  
(2019-2020)  
विषय हिन्दी  
कक्षा नवमी

प्र०1. सात दिनों तक हिन्दी समाचार पत्र पढ़िए और निम्नलिखित कार्य कीजिए-

क) अनुस्वार अनुनासिक व नुक्ता युक्त पंद्रह-पंद्रह शब्द छाँटकर लिखिए।

ख) 15 शब्द छाँटकर उनका वर्ण-विच्छेद कीजिए।

प्र०2. 'गिल्लू' पाठ में आपने लेखिका और गिल्लू के संबंध के बारे में पढ़ा। आप भी किसी पालतू पशु या पक्षी के साथ अपने संबंधों का वर्णन 250-300 शब्दों में कीजिए।

प्र०3. निम्नलिखित विषयों पर अनुच्छेद लिखिए-

क) फैशन और आज का युवा वर्ग

ख) मानव संस्कृति का शत्रु-आतंकवाद

ग) खेलकूद में कीर्तिमान रचती महिलाएँ

प्र०4. निम्नलिखित विषयों पर संवाद लिखिए-

क) हाल में हुए चुनावों पर चर्चा करते हुए दो मित्रों में संवाद लिखिए।

ख) ग्रीष्म अवकाश में मिले गृहकार्य पर चर्चा करते हुए दो मित्रों में संवाद लिखिए।

प्र०5. निम्नलिखित विषयों पर विज्ञापन तैयार कीजिए-

क) चॉकलेट

ख) केश तेल

ग) मकान बेचने के लिए

प्र०6. अब तक कराए गए समस्त पाठ के प्रश्नों के उत्तर याद कीजिए।

नोट:- सम्पूर्ण कार्य ए-4 साइज़ सीट पर कीजिए एवं उसे एक फ़ाइल में संकलित कीजिए।