BOKAROPUBLICSCHOOL

SECTOR–3/C, BOKAROSTEELCITY–827003

HOLIDAY HOMEWORK

CLASS: XII (SCIENCE) **DATE: 06.05.2024**

S.NO.	SUBJECT	Holiday Homework	Project Work
1.	ENGLISH	**ENGLISH** **(Mrs. POONAM CHOUDHARY)** **1. INTRODUCTION** The project consists of **15 MARKS** out of which, **10 MARKS** will be allotted for the **PROJECT FILE** and the remaining **5 MARKS** for the **VIVA** based on the file. **2. CONTENT OF THE PROJECT FILE:** The project file to include the following: • **Cover page**, with the title of the project, school details and details of the student. • **Certificate of Completion** under the guidance of the teacher. • **Objectives** of the topic • **Action Plan** for the completion of assigned tasks (**steps involved in doing the project)** • **Essay should be written in 800-1000 words.** • Student reflections **(the new learning experience/outcome achieved after completing the project)** • If possible, **photographs** that capture positive learning experience of the students (**collages/pics from various online sources)** can be pasted. • **List** of **Resources/Bibliography** (**Last page of the project file)** **3. INSTRUCTIONS:** • You can also select different videos available on YouTube, relevant to your topic). • Listen to these podcasts, documentaries, interviews etc. on the given topics. • Do a thorough research on the topic assigned. • Write an essay in about 800-1000 words describing the topic/issue/ giving your own opinion/ suggestions/measures/ viewpoints/its impact on people/your learning experience. • The project should be neat, legible, with an	

emphasis on quality of content, accuracy of information, creative expression, proper sequencing and should be relevant as per the assigned topic.

- Use coloured practical sheets.
- Plagiarism is strictly prohibited.

Students can select <u>any one</u> of the given topics for your English Project:

1. **Bioterrorism (A Looming Threat) :**

   Include the following sub-headings:

   - What is bio-terrorism?
   - Consequences of such wars
   - Measures that can be undertaken to prevent it.

   Or

Role of youth ('Gen X') in creating a world bereft of wars. You can compose / reproduce a poem/poster to depict the same.

2. **'Understanding Kamla Das a little more'**. You all have studied the poem 'My mother at 66' by Kamla Das. 'My Grandmother's House' is another poem written by the same poet- Kamla Das. Make a comparative study of both these poems by the same poet

Links for reference:

https://www.britannica.com/biography/Kamala-Das
https://www.poetrynook.com/poem/my-grandmothers-house

Include the following sub-headings in your project:

- A detailed study of the poet
- Her life
- Her works
- Her style of poetry
- Comparison between the two poems. It should include-
- The similarities
- The differences
- The theme in both the poems
- Your reflections about both the poems

2.	**HINDI**	**HINDI (Mrs. Purnima Singh)** 1. हरिवंशराय वच्चन अथवा महादेवी वर्मा का जीवन परिचय दिए गए संदर्भो के आधार पर दे | क) पररचय ,प्रमाणपत्र ख) अभर्स्वकृति, अनक्रमणणका (INDEX) ग) जीवन पररचय घ) सादित्ययक पररचय ङ) पररवार,बचपन च) प्रम ख रचनाएँ छ) भाषा शैली ज) मृत्यु झ) सन्दर्भ ग्रन्थ सूची	
3.	**MATHS**	**Maths (Md. Samim Ansari)**	

Date	Topic	Example	Exercise
12.05.2024	Relation	1 & 2	Ex. 1B – Q. No. 1, 2, 3
14.05.2024	Relation	3 & 4	Ex. 1B – Q. No. 4, 5, 6
16.05.2024	Relation	5 & 6	Ex. 1B – Q. No. 7, 8, 9
18.05.2024	Relation	7 & 8	Ex. 1A – Q. No. 1 to 8
20.05.2024	Function	1 to 3	Ex. 2A – Q. No. 1 to 4
22.05.2024	Function	4 to 6	Ex. 2A – Q. No. 5 to 8
24.05.2024	Matrix	2 & 3	Ex. 5A – Q. No. 7 to 9
26.05.2024	Matrix	3, 4 & 6	Ex. 5B – Q. No. 11 to 14
28.05.2024	Matrix	11 & 12	Ex. 5C – Q. No. 22, 28, 35, 36
30.05.2024	Matrix	1 & 2	Ex. 5D – Q. No. 10 to 12
01.06.2024	Determinants	----------	Ex. 6A – Q. No. 12 to 17
03.06.2024	Determinants	1 to 3	Ex. 6C – Q. No. 5 to 8
05.06.2024	System of Linear Equation	1 & 2	Ex. 8A – Q. No. 29 to 33
07.06.2024	System of Linear Equation	3 & 4	Ex. 8A – Q. No. 34 to 37

4. BIOLOGY

Biology : (Md. ManzarAlam)

Assignment for Summer vacation

1. Practicals
    1. Prepare a temporary mount to observe pollen germination.
    2. Flowers adapted to pollination by different agencies (wind, insects, and birds).
    3. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
    4. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
    5. T.S. of blastula through permanent slides (Mammalian).
    6. Controlled pollination – emasculation, tagging and bagging.

2. Assignment
    1. Human reproduction: All NCERT Textbook questions
    2. Reproductive health: All NCERT Textbook questions.

5. PHYSICS

PHYSICS (R.R.Prasad)

Date	Example	Exercise
11.05.2024	1.3	1.1 & 1.2
13.05.2024	1.4	1.3 to 1.5
15.05.2024	1.5, 1.6	1.6 & 1.7
17.05.2024	1.8	1.8 to 1.10
19.05.2024	1.10	1.12
21.05.2024	1.11	1.14 & 1.15
23.05.2024	1.7	1.16 & 1.17
25.05.2024	1.8	1.18 to 1.20
27.05.2024	1.9	1.21 to 1.23
29.05.2024	1.10	(1) Derivation of torque on an electric dipole
31.05.2024	1.11	(2) Electric field due to infinitely long changed conductor
02.06.2024	1.12	(3) Electric field due to infinite sheet of charge
04.06.2024	1.13	(4) Electric field due to charged spherical shall (i) Outside (ii) Inside the sphere
06.06.2024	PYQ -2	
08.06.2024	PYQ -4	
10.06.2024	PYQ-7	

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<td>CHEMISTRY</td>
<td>CHEMISTRY <u>(Mr. Ajeet Kumar Jha)</u>
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<tr><th>Date</th><th>Example</th><th>In text</th><th>Exercise</th></tr>
<tr><td>11.05.2024</td><td>1.1</td><td>1.1</td><td>1.1 to 1.4</td></tr>
<tr><td>13.05.2024</td><td>1.2</td><td>1.2</td><td>1.5 to 1.8</td></tr>
<tr><td>15.05.2024</td><td>1.3</td><td>1.3</td><td>1.9 to 1.12</td></tr>
<tr><td>17.05.2024</td><td>1.4</td><td>1.4</td><td>1.13 to 1.16</td></tr>
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<tr><td>21.05.2024</td><td>1.6</td><td>1.6</td><td>1.21 to 1.24</td></tr>
<tr><td>23.05.2024</td><td>1.7</td><td>1.7</td><td>1.25 to 1.28</td></tr>
<tr><td>25.05.2024</td><td>1.8</td><td>1.8</td><td>1.29 to 1.32</td></tr>
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<tr><td>29.05.2024</td><td>1.10</td><td>1.10</td><td>1.37 to 1.41</td></tr>
<tr><td>31.05.2024</td><td>1.11</td><td>1.11</td><td>2.1 to 2.4</td></tr>
<tr><td>02.06.2024</td><td>1.12</td><td>1.12</td><td>2.5 to 2.8</td></tr>
<tr><td>04.06.2024</td><td>1.13</td><td>PYQ - I</td><td>2.9 to 2.12</td></tr>
<tr><td>06.06.2024</td><td>PYQ -2</td><td>PYQ -3</td><td>2.13 to 2.18</td></tr>
<tr><td>08.06.2024</td><td>PYQ -4</td><td>PYQ-5</td><td>PYQ-6</td></tr>
<tr><td>10.06.2024</td><td>PYQ-7</td><td>PYQ-7</td><td>PYQ-8</td></tr>
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<td>6.</td>
<td>PHYSICAL EDUCATION (P.Ed.) - 048</td>
<td>P. Ed. (Om Prakash Tiwari)
Prepare notes of chapter -1 “Management of sports events.
Chapter –II : Children & Woman in sports
Topic:
a) Exercise guidelines for different age groups.
b) Postural deformities.</td>
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<td>7.</td>
<td>COMPUTER I.P (065)</td>
<td><u>COMPUTER (I.P - 065)</u>
<u>Mr. Narayan Chandra Mahato</u>
1. What is Pandas? Write features of pandas?
2. What is Series and DataFrame? Explain briefly
3. Write a program in python to create series using List
4. Write a program in python to create series using range() function
5. Find the output of the given series:
import pandas as pd
s1=pd.Series(55, index=[‘a’,’b’,’c’,’d’,’e’,’f’])
print(s1)
6. Write a program in python to create series from Dictionary.
7. Find the output from the given series:
import pandas as pd
s1=pd.Series([1,2,3,4,5], index=[‘a’,’b’,’c’,’d’,’e’])
a) print(s1[:3])
b) print(s1[::-1])
c) print(s1[0::2])
d) print(s1[:])
*(Note : Output is mandatory for each program)</td>
<td>(Note: All the above holiday homework write on A4 size paper with stick file, index page. Write the topic with proper page number.)</td>
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