KENDRIYA VIDYALAYA JORHAT NO III (RRL)

**PROJECT & ASSIGNMENT FOR Internal Assessment**

CLASS : **XII ENGLISH** SESSION : 2020-21

**PROJECT FOR IA**

**1. Prepare a speech on the topic ‘The most influential person in my life’ and make a video recording, in school uniform, delivering the speech coherently and with proper fluency. 20**

Please Note:

1. The video should not be of more than 2 minutes. Make sure to record in a silent place to avoid disturbances.
2. Memorize the speech and try to deliver spontaneously.
3. Depending on notes, while speaking, is strictly prohibited.
4. The speech should not be a copy of any speech in some book or website.
5. due weightage will be given for ORIGINALITY.

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| --- | --- | --- |
| **Sl No** | **Parameters for Assessment** | **Marks** |
| **1** | **Interactive Competence**  **(initiation & Relevance to the topic)** | **5** |
| **2** | **Fluency**  **(Cohesion, Coherence & speed of delivery)** | **5** |
| **3** | **Pronunciation** | **5** |
| **4** | **Language ( Acuracy & Vocabulary)** | **5** |
|  | **Total** | **20** |

**ASSIGNMENT FOR IA**

**1. Many trees have been cut in your area to buid new residential colonies. Using your own experience and ideas, write an article on “Dangers of deforestation” in about 200 words. 20**

**2. You are Ankit Sharma of 23, Nehru Street, Kanpur. You have come across an advertisement for the post of Probationary officer in SBI. Write an application for job along with your resume in about 150 words. 10**

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**PHYSICS ASSIGNMENT FOR AUTUMN-BREAK:**

**PRACTICE DERIVATIONS:** (in classwork copy)

1. Power delivered in an inductor, capacitor, resistor.
2. Current is in phase with ac voltage across a resistor, Current lags voltage by 90 degrees in an inductor, Current leads voltage by 90 degrees in a capacitor
3. Impedance of LCR series circuit: Current leads voltage in a capacitive LCR series circuit
4. Resonance conditions and resonance frequency
5. The alternating voltage in an ac generator

**PROJECT WORK:**

**Perform a study and paper-work on the following topics:**

|  |  |
| --- | --- |
| **For Roll no.1 to 18** | **For Roll no. 19 to 36** |
| Alpha-particle scattering experiment, Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum. | Composition and size of nucleus.  Mass-energy relation, mass defect, nuclear fission, nuclear fusion. |

**The evaluation of the project/activity will be based on the following Rubrics:**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Marks** |
| **1** | **Quality & Lay out of the project.** | **10** |
| **2** | **Visual Presentation of the facts like Description/Content/ Picture/Map/Graph/Diagram/ Derivation etc.** | **20** |
| **3** | **Overall Presentation (Neatness, Handwriting and word limit etc.)** | **10** |
| **4** | **Assessment of the Project through Questionnaire (Google Form-10 MCQ or telephonic viva/ any other suitable methodology)** | **10** |
|  | **Total** | **50** |

**COMMON LAY OUT OF PHYSICS– PROJECTS**

1. **Cover Page**
2. **Certificate**
3. **Table of contents – Page Title**
4. **Title /topic of the Project**
5. **Objective of the Project.**
6. **Brief description of the project.**
7. **Pre requisite Knowledge.**
8. **Material / Resources required.**
9. **Planning /Procedures followed.**
10. **Scientific Concept(s) Used.**
11. **Results (Analysis /Interpretation etc.)**
12. **Conclusions.**
13. **Acknowledgement.**
14. **List of references.**

**Note: You may add any other relevant points as per your project allotment.**

AUTUMN BREAK HOMEWORK

CLASS XII - CHEMISTRY

1. Among all the isomers of molecular formula C4H8Br, identify:  
(a) the one isomer which is optically active.  
(b) the one isomer which is highly reactive towards SN2.  
(c) the two isomers which give the same product on dehydrohalogenation with alcoholic KOH. [3]

2. (a) Account for the following:  
(i) The tendency to show – 3 oxidation state decreases from N to Bi in group 15.  
(ii) Acidic character increases from H2O to H2Te.  
(iii) F2 is more reactive than CIF3, whereas ClF3 is more reactive than Cl2.  
(b) Draw the structure of (i) XeF2 (ii) H4P2O7. [5]  
 OR  
(a) Give one example to show the anomalous reaction of fluorine.  
(b) What is the structural difference between white phosphorous and red phosphorous?  
(c) What happens when XeF6 reacts with NaF?  
(d) Why is H2S a better reducing agent than H2O?  
(e) Arrange the following acids in the increasing order of their acidic character: HF, HCl, HBr and HI

3 Give a reason for the following:  
(a) Transition metals show variable oxidation states.  
(b) E0 value of (Zn2+/Zn) is negative while that of (Cu2+/Cu) is positive.  
(c) Higher oxidation state of Mn with fluorine is +4 whereas with oxygen is +7. [3]

4. PROJECT WORK ASSIGN IN GSUIT

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| आटम ब्रेक गृह कार्य कक्षा XII हिन्दी | |
| 1 | शीतल वाणी में आग होने से क्या अभिप्राय है ? |
| 2 | इस कविता के बहाने बताए कि सब एक घर दर देने के माने क्या हैं | |
| 3 | कैमरे मे बंद अपाहिज करुणा के मुखोटे मे छिपी क्रूरता के कविता है- विचार कीजिये| |
| 4 | कवि के जीवन मे ऐसा क्या क्या हैं जिसे उसने सहर्ष स्वीकार कीजिये |

**HOLIDAY HOME WORK FOR CLASS XII MATHEMATICS**

**1. Show that the relation S in the set A given by S = {(a, b): a, bZ , |a-b| is divisible by 4}is an equivalence relation. Find the set of all elements related to 1.**

**2. Show that f : NN, given by is both one-one and onto.**

**3. Considergiven by. Show that f is invertible with the inverseof given by , where is the set of all non negative real numbers.**

**4. Find the relationship between *a* and *b* so that the function *f* defined by is continuous at *x* = 3.**

**5. Prove the following : cot-1= , x(0, π/4)**

**PROJECT/ACTIVITY (ATTEMPT ANY ONE)**

**A1. To verify that the relation R in the set L of all lines in a plane, defined by R = {(*l*, *m*) : *l*  *m*} is symmetric but neither reflexive nor transitive.**

**A2. To verify that the relation R in the set L of all lines in a plane, defined by R = {( *l*, *m*) : *l* || *m*} is an equivalence.**

The **evaluation of the project/activity** will be based on the following Rubrics:-

|  |  |  |
| --- | --- | --- |
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|  | **Total** | **50** |

**COMMON LAY OUT OF MATHEMATICS – PROJECTS**

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2. **Certificate**
3. **Table of contents – Page Title**
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5. **Objective of the Project.**
6. **Brief description of the project.**
7. **Pre requisite Knowledge.**
8. **Material / Resources required.**
9. **Planning /Procedures followed.**
10. **Mathematical Concept(s) Used.**
11. **Results (Analysis /Interpretation etc.)**
12. **Conclusions.**
13. **Acknowledgement.**
14. **List of references.**

**Note: You may add any other relevant points as per your project allotment.**