Open Minds-A Birla School Kankarbagh, Patna

INTERNAL ASSESSMENT FOR CLASS - X

(Session: 2022-23)

ENGLISH LANGUAGE & LITERATURE (184)

TOPICS FOR ASL (Assessment for Speaking and Listening):

1. Are smart classes smart enough?
2. Augmented Reality vs Virtual Reality
3. E-sports
4. Educational Technology
5. Women Empowerment

PORTFOLIO/PROJECT WORK

- Introduction
- AcknowledgEment
- Index
- Critical Analysis of Adrienne Rich's style of writing with special reference to the Poem, 'The Trees'.
- Griffin set the house on fire when he was thrown out. Anger and revenge are in no way a solution to any problem. You are a columnist for a magazine. Create a column on "Importance of Anger Management for Teens and Its Detrimental Effects on Health."
- Last Page : LIST OF RESOURCES/BIBLIOGRAPHY

हिन्दी कोर्स-बी (085)

TOPICS FOR ASL (Assessment for Speaking and Listening):

1. विद्यार्थी जीवन में खेल का महत्त्व
2. आन लाइन, आफ लाइन शिक्षा पद्धति
3. हमारा राष्ट्रीय खेल

PORTFOLIO/PROJECT WORK

सामान्य निर्देश :

- विद्यार्थी समस्त कार्य स्वच्छ और सुंदर वर्णाक्षरों में करें।
- दस्तावेज के मुखपृष्ठ पर विद्यार्थी अपना नाम, कक्षा, वर्ग, नामांकन क्रमांक, विषय आदि का उल्लेख करें।
- पृष्ठ सं. १ पर अभिस्वीकृति-पत्र (ACKNOWLEDGEMENT) की छविचित्र लगाकर आवश्यक प्रविष्टियां दर्ज करें।
- विद्यार्थी आवश्यकतानुसार प्रत्येक पृष्ठ के चारों ओर आकर्षक चित्रांकन करके बीच में विषय-सामग्री लेखन कर सकते हैं।
- विषय समाप्त होने पर अंत में क्षैतिज रेखा खींचकर 'समाप्त' शब्द लिखें।

परियोजना का विषय – 'विश्व के पर्वत शिखर'

- ❖ आल्प्स
- ❖ एटलस
- ❖ एंडीज
- ❖ रॉकी

- ❖ यूराल
- ❖ हिमालय
- ❖ हिंदुकुश

उपर्युक्त सभी पर्वत शिखरों के बारे में निम्नलिखित संकेत बिंदुओं की सहायता से सचित्र-वर्णन कीजिए।

- ▪ ऊंचाई
- ▪ भौगोलिक स्थिति
- ▪ जीव-जंतु

- ▪ जलवायु
- ▪ जन-जीवन

अभिस्वीकृति-पत्र

मैं (छात्र/छात्रा का नाम).......................... विषयाध्यापक/विषयाध्यापिका श्री/श्रीमती ....

के साथ-साथ हमारी प्रधानाचार्या श्रीमती........................... के प्रति कृतज्ञता का विशेष धन्यवाद

व्यक्त करना चाहता/चाहती हूं जिसने मुझे इस ज्ञानवर्धक विषय पर परियोजना कार्य संपादित करने का

स्वर्णिम अवसर प्रदान किया । इस परियोजना ने मुझे बहुत सारे शोध करने में भी मदद की और मुझे

अनेक नई चीजों के बारे में पता चला। मैं वास्तव में उनके प्रति आभारी हूं।

मैं अपने माता-पिता और दोस्तों को भी धन्यवाद देना चाहूंगा जिन्होंने इस परियोजना को सीमित समय सीमा

के भीतर अंतिम रूप देने में मेरी मदद की।

धन्यवाद।।

SANSKRIT (122)

TOPICS FOR ASL (Assessment for Speaking and Listening):

1. व्याकरणपक्षे - वाच्यपरिवर्तनम् अशुद्धि-शोधनं च (मौखिकम्)

2. साहित्यपक्षे - सुभाषितानि इति पाठस्य श्लोकानां हिन्दी-भावार्थ-कथनं शब्दार्थाश्च

PORTFOLIO/PROJECT WORK

1. संस्कृते आत्मपरिचयः

2. सुभाषितानि इति पाठस्य श्लोकानाम् अन्वयः

3. आदिकाव्यं रामायणम् इति विषयम् अधिकृत्य लेखः

MATHEMATICS (041)

LAB ACTIVITY:

1. To verify that the given sequence is in arithmetic progression by paper cutting and pasting method.
2. To verify the sum of first 'n' odd natural numbers.
3. To make a right circular cylinder of given height and circumference of circular base from a given rectangle experimentally.
4. To find the surface area of sphere with the help of activity.
5. To make a cone of given slant height 'I" and base circumference.

PORTFOLIO

Formula chart:

Surface area and volume, Trigonometry, Area related to circle, etc.

SCIENCE-THEORY (086)

LAB ACTIVITY/LAB RECORDS:

1. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:

   a) Litmus solution (Blue/Red)   b) Zinc metal   c) Solid sodium carbonate

2. Performing and observing the following reactions and classifying them into:

   A. Combination reaction   B. Decomposition reaction

   C. Displacement reaction   D. Double displacement reaction

   (i) Action of water on quicklime

   (ii) Action of heat on ferrous sulphate crystals

   (iii) Iron nails kept in copper sulphate solution

   (iv) Reaction between sodium sulphate and barium chloride solutions

3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:

   i) $ZnSO_4(aq)$ ii) $FeSO_4(aq)$ iii) $CuSO_4(aq)$ iv) $Al_2(SO_4)_3(aq)$

4. Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

5. Study of the following properties of acetic acid (ethanoic acid):

   i) Odour   ii) solubility in water

   iii) effect on litmus   iv) reaction with Sodium Hydrogen Carbonate

6. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.

   Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.

7. Determination of the equivalent resistance of two resistors when connected in series and parallel.

Determination of the focal length of:

i) Concave mirror   ii) Convex lens by obtaining the image of a distant object

8. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence.

9. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.

10. Tracing the path of the rays of light through a glass prism.

11. Preparing a temporary mount of a leaf peel to show stomata.

12. Experimentally show that carbon dioxide is given out during respiration.

13. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.

14. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

PROJECT/PORTFOLIO

1. Physics: -   Human eye

2. Biology: -   Reproduction in Human Beings

3. Chemistry: -   Types of chemical reactions

SOCIAL SCIENCE (087)

PROJECT WORK

Consumer Awareness or Sustainable Development

PORTFOLIO

HISTORY: Beginning of print culture

CIVICS: Role of political parties in a democracy

GEOGRAPHY: Tata iron & steel industry- Origin, founder, history, present day production, contribution in country's development & conclusion

ECONOMICS: Globalization & its impact on Indian Economy

INFORMATION TECHNOLOGY (402)

PRACTICAL FILE

Writer

1.   Create a paragraph style namely "Information Technology " with these settings:

   a.   Font name:- Verdana

   b.   Font Size :- 10

   c.   Font Color :- Blue

   d.   First line indent : 0.04"

   e.   Line Spacing :- 1.5 lines

   f.   Before and after paragraph spacing :- 0.06"

2.   Insert fontwork as " IT Portfolio"

3.   Insert any relevant picture in the paragraph.

4.   Format the picture and position it as optimal

5.   Create table of content of unit 1 (Digital Documentation of your book).

Instruction:-

Do question nos.: - 1 to 4 in the same document

Calc

1.   Create a workbook and enter the information onto sheet 1. Rename the sheet as **East**.

	A	B	C	D	E	F
1		YEAR 10 RECORD IN THOUSAND EAST				
2		1ST QUARTER	2ND QUARTER	3^{RD}QUARTER	4^{TH}QUARTER	TOTAL
3	POP	254	345	345	566	
4	SOUL	345	543	677	426	
5	R & B	678	345	885	678	
6	COUNTRY	345	345	433	645	
7	CLASSICAL	234	122	556	645	
8	SOUNDTRACKS	566	456	654	345	
9	CHILDREN	677	456	433	765	
10						

Enter the information onto sheet 1. Rename the sheet as **West**.

	1ST QUARTER	2ND QUARTER	3^{RD}QUARTER	4^{TH}QUARTER	TOTAL
YEAR 10 RECORD IN THOUSAND WEST					
POP	566	345	254	345	
SOUL	426	677	345	543	
R & B	678	885	678	345	
COUNTRY	645	433	345	345	
CLASSICAL	645	556	234	122	
SOUNDTRACKS	345	654	566	456	
CHILDREN	765	433	677	456	

2. Click tab of sheet 3 and rename it as combined.

	A	B	C	D	E	F
1	YEAR 10 RECORD IN THOUSANDS COMBINED					
2		1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	ANNUAL TOTAL
3	POP					
4	SOUL					
5	R & B					
6	COUNTRY					
7	CLASSICAL					
8	SOUNDTRACKS					
9	CHILDREN					

3. Write commands so that range of all quarter should be added in combined sheet.

4. Create a macro using which you can add your school's full name in a worksheet.

5. Create a macro to run as a function which adds 2 value to the passed argument.

Database

1. Create a database in the name of your Library.

2. Create table using design view and name and save it in your name.

3. Insert 5 records in the table.

4. Create a form for the table created in question 2.

5. Create a report for the table created in question 2.

Instruction: -

Attach screenshot of all processes

Project File:

1. Create a database **"School"**.

2. Create table Student as:-

Field Name	Field Type
Roll No	Number
Stud_Name	Text
Date_of_Birth	Date
Gender	Text
Address	Text

3. Create table marks as :-

Field Name	Field Type
Roll No	Number
ELA	Number
Hindi	Number
Maths	Number
Science	Number
Social Studies	Number
IT	Number

4. Enter minimum 10 records in each table.
5. Establish the relationship between tables.
6. Create a form for these tables.
7. Create report for these tables.

Instruction for Project

Project should include

1. Title page (Front Page)
2. Certificate
3. Acknowledgement
4. Index
5. Objective/Introduction
6. Tools/Platform use
7. Screenshot of all processes
8. Future Scope
9. References

Note: Last date for the submission of Lab Manuals, Project Files and Art Integrated Project is 07-01-2022