INTEGRATED INDIAN SCHOOL, KUWAIT
CLASS XI B (2023-24)

GENERAL INSTRUCTIONS/GUIDELINES

1. Assignments must be submitted on the first day when the school reopens.
2. Compile all the work and submit it in a clear folder.
   a. Your full name roll number and class must be written clearly on the folder.
   b. Make the folder attractive.
   c. Each item must begin on a fresh page.
   d. Overall presentation – layout/neatness/grammar/spelling/illustration and handwritten.

ENGLISH

1.CREATE A PORTFOLIO FILE

Give it an attractive cover page with your details (Name, Roll no, Class/Sec). It should include an index page, introduction page and acknowledgement page. Portfolio must have the following things –

1. Collect pictures on Ancient Pharaohs write them in your own words. (100-120 words)

2. Make a bookmark, with a quotation on 'MOTHER'.

3. Describe childhood in 5 words and illustrate them.

4. Use a dictionary and write down the meaning of 30 words.

5. Write a poem on 'Dear Future Generations: Sorry'.

2. CREATE POWERPOINT PRESENTATION –

Create a PPT on the lesson 'The Silk Road'

Create a PPT on the lesson 'The Adventure'

3. BOOK REVIEW

Read the book 'The Metamorphosis' by Kafka Write down the main characters

in the novel, the synopsis of the book and your personal review.

Also make a creative book jacket and put the review in it.

4. Create a book trailer on the lesson

'Discovering Tut: the Saga Continues'

5. Design a poster on 'SAVE THE EARTH' on chart paper

6. Read the lessons and poems from Hornbill and Snapshots readers.

7. WRITING

You are Ronak/ Rani of Class XI. Your teacher has asked you to deliver a speech on the topic 'Cleanliness is Next to Godliness' in the morning assembly. Write a speech in not more than 150-200 words.

8. GROUP WORK: ART INTEGRATED PROJECT

Prepare an assignment focusing on film makers and compare it to Indian

Cinema (Bollywood)

FORMAT

- ➢ **TITLE PAGE**
- ➢ **ACKNOWLEDGEMENT**
- ➢ **INTRODUCTION**
- ➢ **CONTENT**

  Issues addressed in the movies

  Importance of Music

  Languages used in scripts

  Comparative Study of Hero-Worship in Lakshadweep and Indian Cinematics
- ➢ **CONCLUSION**
- ➢ **BIBLIOGRAPHY**
- ➢ **TEACHER EVALUATION REPORT PAGE**

PHYSICS

1. Write the Aim, Materials required procedure, observations, and results for the following experiments.

   i) To measure the diameter of a small spherical/cylindrical body by Vernier Calliper

   ii) To measure diameter of a given wire and thickness of a given sheet using screw gauge.

   iii) To determine volume of an irregular lamina using screw gauge.

   iv) Using a simple pendulum, plot its L-T2 graph and use it to find the effective length of second's pendulum.

   v) To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.

   vi) To find the force constant of a helical spring by plotting a graph between load and extension.

   vii) To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.

   viii) To determine Young's modulus of elasticity of the material of a given wire.

   ix) WRITE THE FOLLOWING ACTIVITIES

   A) To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm

   B) To plot a graph for a given set of data, with proper choice of scales and error bars.

   C) To measure the force of limiting friction for rolling of a roller on a horizontal plane.

   D) To study the effect of detergent on surface tension of water by observing capillary rise.

2. Do the investigatory project on the individual topic given to you.

CHEMISTRY

1. Write the Aim, Materials required procedure, observations, and results for the following experiments.

I) VOLUMETRIC ANALYSIS –

a) To prepare 100ml of M/20 oxalic acid. Using this solution find out the molarity and strength of given NaOH solution.

b) To prepare 100ml of M/50 oxalic acid. Using this solution find out the molarity and strength of given NaOH solution.

c) Determination of strength of a given solution of hydrochloric acid by titrating it against standard Sodium Carbonate solution.

II) Qualitative analysis

To analyse the given salt for acidic and basic radicals.

BIOLOGY

1.Write the Aim, Materials required procedure, observations, and results for the following experiments.

i)Study and describe locally available common flowering plants from plants.

ii)Prepare and study the TS of dicot and monocot roots and stems.

iii)Study the distribution of stomata on the upper and lower surface of leaves.

iv)Test for the presence urea, sugar in urine.

v)Test for the presence of albumin and bile salts in urine.

2.Do the investigatory project on the individual topic given to you.

COMPUTER SCIENCE

Answer the following questions.

1.Define following gates and draw logic circuit diagram

(a) OR Gate (b) AND Gate

(c) NOT Gate (d) NAND Gate

(e) NOR Gate

2. Prove by Boolean Algebra rules $X (X + Y) = X$

3. Prove by Boolean Algebra Rules $X + X' Y = X + Y$

4. Prove that by Boolean Algebra Rule for AB +AC + ABC= AB+AC

5. Construct a logic diagram for expression A. B + C

6. Construct a logic diagram for expression A. B + B.C

7.onstruct a logic diagram for expression B. (A +C)

8. Find truth table of X + Y = Y + X

9.repare a truth table of XY= YX

10. Prepare a truth table X (X +Y) = X

Activity 1: What are the steps to protect yourself against cybercrime.

Activity 2:Find out the societal issues and cultural changes induced by technology.

Activity 3: Find out the pros and cons of the role of new media in society:

INFORMATICS PRACTICES

Chapter 1 – Computer System

Answer the following questions:

1. Distinguish between CPU and ALU.

2. What is system software? What role does it play in the functioning of the computer?

3. What is the utility of these software?

    (i)   Disk fragmentor

    (ii)   Backup software

4. What role does memory play in the functioning of computer system?

5. Distinguish between internal and external memory?

6. What is the importance of an OS?

Activity:

1. Collect the five System utility software logos and write the information about each of them which we use for protect our system from Antivirus.

2. Collect any two compression tools logos and write the functions and characteristics of them which we use for compress large files.

Collect any four FLOSS software and write an information about the software which we used for.

Chapter 2 – Introduction to Python

Write the following Python program neatly and submit on the reopening day:

1. Write a program to obtain length and breadth of a rectangle and calculate its area.

2. Write a program to input a number and print its cube.

3. Write a program to input a value in kilo meter's and convert it into miles(1 km = 0.621371 miles)

4. Write a program to find area of a triangle.

5. Write a program to input a number and print its first five multiples.

6. Write a Python program that accept radius of a circle and prints its area.

7. Write the program that accepts marks in 5 subjects and outputs average marks.

8. Write any program using if statements.

9. Write any program using for and while loop.

10. Write a program to display the calendar of December month 2023.

MATHEMATICS

1. Prepare notes and do the first exercise of the lesson Introduction to Three Dimensional Geometry.

2. Find the domain and range of the function (i) $f(x) = 1/\sqrt{(x-5)}$ (ii) $f(x) = (x^2 - 16)/(x - 4)$

3. If $f(x) = x + 1/x$, prove that $[f(x)]3 = f(x3) + 3 f (1/x)$

4. Prove that $(\cos x - \cos y)2 + (\sin x - \sin y)2 = 4 \sin2((x-y)/2)$.

5. Prove that $(\cos x + \cos y)2 + (\sin x - \sin y)2 = 4 \cos2((x+y)/2)$.

6. Prove that $(\sin 3x + \sin x) \sin x + (\cos 3x - \cos x) \cos x = 0$.

7. Prove that $(\sin 3x + \sin x) \sin x + (\cos 3x - \cos x) \cos x = 0$.

8. Prove that $\sin x + \sin 3x + \sin 5x + \sin 7x = 4 \cos x \cos 2x \sin 4x$.

9. Prove that $\sin 3x + \sin 2x - \sin x = 4 \sin x \cos x/y \cos 3x/2$.

10. Prove that $\sin⁡[7x+\sin⁡[5x+\sin⁡[9x+\sin⁡3x]]]/\cos⁡[7x+\cos⁡[5x+\cos⁡[9x+\cos⁡3x]]] = \tan 6x$.

11. ACTIVITY - 1: To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2n.

12. ACTIVITY – 2 : To represent set theoretic operations using Venn diagrams.

13. ACTIVITY – 3 : To identify a relation and a function.

14. ACTIVITY – 4 : To distinguish between a relation and a function.

PHYSICAL EDUCATION

PRACTICAL WORK :

  YOGA :

   1. TADASANA

      A). DIAGRAM

      B). PROCEDURES

      C). BENEFITS

    2. PRANAYAMA

      A). DIAGRAM

      B). PROCEDURES

      C). BENEFITS

  GAMES :

1.BASKETBALL

  A). DRAW A COURT DIAGRAM WITH MEASUREMENTS

  B). RULES AND REGULATIONS

  C). SKILLS

2.BATMINTON

  A). DRAW A COURT DIAGRAM WITH MEASUREMENTS

  B). RULES AND REGULATIONS

  C). SKILLS

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