BIOLOGY MID TERM SYLLABUS (2020-21)

UNIT I REPRODUCTION

1. Reproduction in organisms
2. Sexual reproduction in flowering plants
3. Human reproduction

UNIT II GENETICS AND EVOLUTION

1. Principles of inheritance and variation
2. Molecular basis of inheritance
3. Origin of life
4. Evidences and theories of biological evolution

UNIT III BIOLOGY AND HUMAN WELFARE

1. Human health and diseases
2. Strategies for enhancement in food production

UNIT IV BIOTECHNOLOGY AND ITS APPLICATIONS

1. Principles and processes of biotechnology

UNIT V ECOLOGY AND ENVIRONMENT

1. Organisms and populations
2. Ecosystem

BIOLOGY PROJECT TOPICS

NOTE: Choose any one of the topics given below

1. Pollution related diseases
2. Water pollution- Sources, effects, prevention and control
3. Noise pollution- Sources, effects, prevention and control
4. Air pollution- Sources, effects, prevention and control
5. Biodiversity – Types, patterns, measurement and benefits
6. Biodiversity conservation
7. Adaptations to environment in Animals
8. Adaptations to environment in plants
9. Applications of biotechnology
10. Animal husbandry
11. Apiculture
12. Poultry farm management
13. Communicable diseases in human beings
14. Nucleic acids and their role
15. Population explosion and birth control

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Class XII Accounts

Mid-Term Syllabus

SECTION-A
1.PARTNERSHIP ACCOUNTS
- Fundamentals- Goodwill- Admission- Retirement- Dissolution
2.JOINT STOCK COMPANY ACCOUNTS
- Issue of Shares & Debentures
SECTION-B
MANAGEMENT ACCOUNTING
3.Financial Statement Analysis
4.Ratio Analysis.

Project-1
Prepare a case study for a Partnership firm having 3 or more partners.
Draw up a Partnership Deed & prepare Final Accounts for the first year of its operation.
-Trading a/c - P&L a/c - P&L(appropriation) a/c - Capital a/c - Balance Sheet.
Points to be considered
- Name and Address of the firm
- Name and Address of the partners
- Types of partners
- Capital of each partners
- Profit sharing ratio
-Work allotted to each partner

Note: Project work to be completed by 31st August 2020.

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CLASS-XII

- DEMAND (CHAPTER 2)
- THEORY OF CONSUMER BEHAVIOUR (CHAPTER 3)
- ELASTICITY OF DEMAND (CHAPTER 4)
- SUPPLY (CHAPTER 5)
- MARKET MECHANASIM (CHAPTER 6)
- CONCEPT OF PRODUCTION AND PRODUCTION FUNCTION (CHAPTER 7)
- COST AND REVENUE (CHAPTER 8)
- MAIN MARKET FORMS (CHAPTER 9)
- THEORY OF INCOME AND EMPLOYEMENT [TILL EQUILIBRIUM OUTPUT ONLY (CHAPTER 12)]

Bishop Johnson School and College

Physical Education- Class 12

Mid Term Syllabus

Section A

1. Sociological aspects of physical education
2. Training Methods
3. Career aspects in Physical Education

Section B (Pick any two games)

1. Cricket
2. Football
3. Basketball
4. Badminton

PHYSICS
MIDTERM SYLLABUS
2020-21
CLASS XI

UNITS

1. PHYSICAL WORL AND MEASUREMENT
2. KINEMATICS
3. LAWS OF MOTION
4. WORK,ENERGY AND POWER
5. MOTION OF SYSTEM OF PARTICLES AND RIGID BODY
6. GRAVITATION

7. PROJECT WORK

HEAT AND THERMODYNAMICS

PHYSICS
MIDTERM SYLLABUS
2020-21
CLASS XII

UNITS

1. ELECTROSTATICS
2. CURRENT ELECTRICITY
3. OPTICS
4. DUAL NATURE OF RADIATION AND MATTER

5.PROJECT WORK-
ELECTRONIC DEVICES

POLITICAL SCIENCE
MID TERM SYLLABUS
CLASS XII

SECTION A : CONSTITUTION AND GOVERNMENT

1- Forms of Government
2- Constitution
3- Franchise

SECTION B : INDIAN DEMOCRACY

1- Indian Constitution
2- Fundamental Rights and Directive Principles.

Geography Class 12
Mid Term Syllabus

Unit -1 Physical Environment

1- Locational Setting of India
2- Geological Evolution and Structure
3- Relief
4- Drainage
5- Natural Vegetation

Unit 2- Population and Human Settlements

6- Population
7- Migration Trends
8- Demographic Attributes

All Map Work based on the above mentioned chapters.

Project - Household survey,of about 6-7 household in your locality.

You have to mention, family size, age structure, educational background, occupation, involvement of men and women involvement in economic activity, educational service. Draw conclusions to reflect the economic development of the household.

Note: You have to use interleaf pages to make the project and arrange it in the plastic file cover.

Nishu
Date
Page

MID TERM SYLLABUS - 2020-21

CLASS :- XII

SUBJECT :- HINDI

हिन्दी - व्याकरण :- निबंध, अपठित गद्यांश, मुहावरों से वाक्य बनाना, वाक्य शुद्धिकरण ।

हिन्दी - साहित्य :-

1. गद्य - संकलन :-
   1. क्या निराश हुआ जाए ?
   2. भक्तिन
   3. संस्कृति क्या है ?

2. काव्य - मंजरी :-
   1. जाग तुझको दूर जाना है
   2. उद्यमी नर
   3. बादल को घिरते देखा है

3. आषाढ़ का एक दिन (नाटक) - अंक - 3

विशेष नोट - "पूर्व कक्षा (XI) में अध्ययन किए गये समस्त पुस्तकों के समस्त पाठ का भी अध्ययन अनिवार्य है।"

Reduced Chapter (हटाए गए पाठ) :-

गद्य - संकलन :- दासी, मजबूरी

काव्य - मंजरी :- तुलसीदास के पद, अँधेरे का दीपक

—X—

MRS. M. BHATNAGAR

Signature ----------

Mid Term Syllabus (2020-2021)
Class 12th
Chemistry
1.Solid State
2.Solutions
3.Electrochemistry
4.Coirdination Compounds
5. d-block and f-block elements
6.Haloalkanes and Haloarenes
7.Alcohols,phenols and Ethers
8.Polymers
9.Chemistry in Everyday Life

MIDTERM SYLLABUS

COMMERCE

Class-12

Chapters~

1) Business Environment

2) Financing

3)Banking Services- Latest trends

4)Management

5)Functions of management

COMMERCE PROJECT

CLASS-12

Topic~

1) VISIT A COMMERCIAL BANK. FIND OUT THE PROCEDURE TO OPEN A SAVINGS ACCOUNT.

&

2) FIND OUT THE NAMES OF COMPANIES UNDER VARIOUS SECTORS (FMCG, PHARMA, AUTOMOBILE, ETC) INCLUDED IN THE NIFTY AND THE SENSEX

Note
(Project 1: is for Midterm
&
Project 2: is for Preliminary Examination)
||Both the Projects should be submitted for Viva-Voce Exam||
File should be covered with brown paper along with proper details of the candidate

MID-TERM SYLLABUS

CLASS-12

ENGLISH PAPER 1

1- Composition

2- Directed Writing (article writing, book review, film review, review of a cultural programme, speech writing, report writing, personal profile and statement of purpose)

3- Proposal Writing

4- Grammar, structure and usage

5- Comprehension

PROJECT: (WORD LIMIT **500**)

*ACKNOWLEDGMENT

*INDEX

*TOPIC: Write about a member of your family who has had a lasting influence on you. Describe the person and explain how his or her actions and example have changed your life.

CLASS-12
REVISED MID-TERM
SYLLABUS
ENGLISH PAPER-2

DRAMA: The Tempest (William Shakespeare) **Act 1,2,3,4**

SHORT STORIES: Echoes
1- Salvatore
2- Fritz
3- Quality
4- The Story of an Hour
5- The Chinese Statue
6- A Gorilla in the Guest Room
7- The Singing Lesson

POEMS: Reverie
1- The Darkling Thrush
2- The Dolphins
3- The Gift Of India
4- Crossing the Bar
5- John Brown
6- Desiderata
7- The Spider and the Fly

PROJECT: (WORD LIMIT **1000**)
*ACKNOWLEDGMENT
*INDEX
*TOPIC: Write the paraphrase, summary, theme and central idea of the poem The Spider and the Fly.

Note: - Strictly follow the sequence given below in order to make your project presentable.

- First page of the project should be introduction of the poet.
- In the second page discus the theme of the poem (take help from the work book).
- Write the poem stanza wise and explain each stanza.
- Write critical appreciation.
- Conclusion (write the message conveyed through the poem and your views in short).

Midterm Syllabus
MATHEMATICS (Class XII)
*_Theory_*
1. Relation
2. Function
3. Inverse Trigonometric Function
4. Determinants
5. Matrices
6. Differentiation
7. Indeterminate Forms of Limits
8. Application of Derivatives
9. Maxima & Minima
10. Vectors
*_Project Work_*
Explain the concepts of increasing and decreasing functions, using geometrical significance of dy/dx. Illustrate with proper examples.

OR

Illustrate the concept of definite integral $\int_a^b f(x)\,dx$, expressing as a limit of a sum and verify it by actual integration.

Syllabus Computer science (Mid term) 2020-21

Std XII

1. Boolean algebra
2. Objects and Classes
3. Java Revision Tour
4. Primitive Values, Types Casting and Expressions
5. Statements control structure and scope
6. Function/Methods
7. Arrays and String
8. Concept of inheritance