

JPDAV PUBLIC SCHOOL , GANAUR
Holidays' Assignment (2021-22)

Class- 12th-English

1. Read the following lessons carefully and make a question bank containing at least hundred questions: Flamingo: Lesson 1 & 2 ,Poem 1 & 2 Vistas: Lesson 1
2. Write a notice to be put up on your school notice board for the students of class 12th informing the students about the cancellation of the CBSE Board exams and the criterion of assessment. Invent all the details.
3. Draft a display advertisement for the Aid Centre run by you to help the Corona victims. Invite the volunteers for your centre to supply the fundamental necessities for the victims.
4. Write a speech on the topic 'Nature has Become Revengeful' in 150-200 words.
5. During the utmost adverse situation spread by the novel coronavirus many people lost their loved ones. Many struggled hard to save their dears and paid a bulky amount for lifesaving goods. During this time we saw the inhumane behaviour of the people towards the dying ones .They became so greedy that they even wanted to earn from dead bodies. Keeping in view the incidents of black marketing of the lifesaving goods and services like injections, Oxygen and tablets etc, prepare a report on the topic 'Black marketeers: The Hackers of Life'.
6. Prepare a documentary on the scenario (related to covid-19 from beginning to the present time) in India on the basis of details available on the reliable sources.

SUBJECT: BIOLOGY

Chapter-I: Reproduction in Organisms

- (1) A moss plant is unable to complete its life cycle in a dry environment. State two reasons.
- (2) With which type of reproduction do we associate the reduction division? Analyse the reasons for it.
- (3) In an experiment, Mr. John dissected a large potato tubes into several small pieces & then placed each piece in a separate pot for germination. After few days, he observed that a few pieces germinated & developed new-plants. The others did not germinate at all. Give possible reasons.
- (4) a) What is common between vegetative reproduction & apomixis. b) Name the organisms in which external fertilization takes place.
- (5) One day, Ramesh was standing in the kitchen with his mother who was cutting onions for making vegetables. He observed that in some of onion bulbs, green leaves appeared on upper end & roots on the lower end. In the evening, he shared his observations and discussed with his father, a Botany teacher. His father explained that in case of onion, new plants develop through asexual reproduction. Read the above passage and answer the following questions:-
 - i) What is the name of this type of Propagation?
 - ii) Can this method be used for raising onion plants at home also?
 - iii) Name some other vegetables which are propagated by using bulbs.
 - iv) What value is displayed by Ramesh's father?

Chapter 2- Sexual Reproduction in Flowering Plants

- (1) Name the pollinating agent of flowers like salvia, sunflower. Give two favorable features of such a flower for pollination.
- (2) Give characteristics of insect pollinated flowers.
- (3) Name the pollinating agents of flowers like maize and wheat. Give any two characteristic features of such a flower.
- (4) An anther with malfunctioning tapetum often fails to produce viable male gametophytes. Give any one reason.
- (5) Name the following structures
 - a) Single cotyledon of the monocotyledonous embryo of grass family.
 - b) The portion of embryonal axis above the level of cotyledons in dicot embryo.
 - c) Occurrence of more than one embryo in a seed.
 - d) Seedless fruits produced without fertilization.
- (6) Is it possible to store pollen grains? What do we call the process of pollination using pollen grains of desired plant?
- (7) Do you think that microspores & pollen grains are the same structures? If they are different then what is the basic difference between them.
- (8) Each pollen grain produces two male gametes. How many pollen grains will be required to fertilize 4 ovules present in a particular carpel? Give reasons.
- (9) A flower of tomato plant, following the process of sexual reproduction, produces 200 viable seeds.

Answer the following question giving reasons:-

- a) What would have been the minimum no. of ovules present in per- pollinated pistil?
- b) How many microspore mother cells would minimally be required to produce requisite number of pollen grains?
- c) How many pollen grains must have minimally pollinated the carpel?
- d) How many male gametes would have used to produce these 200 viable seeds?
- e) How many megaspore mother cells were required in this process?

Physics

1.

Prepare a Project Report on the following topics Roll no wise

1-8	Capacitors
9-16	Potentiometer
17-24.	AC Generator
25-32	Transformer
33-40	Rectifier
After 41	Optoelectronic devices(photodiode,LED,solar cell)

2.

Revise all the chapters along with NCERT questions and do practice of objective type questions also.

Note*

Some extra questions will be sent on class group.

Physical education

Write and Learn Unite 1-4.

Prepare a project on Disability and Disorder

Subject: Business Studies

1. Revise MCQ of chapter 1 to 5
2. Revise NCERT question answers given in the exercise
3. Revise case studies of chapter 1 to 5 (from R. K. Singla and pdf shared in the group.)
4. Prepare a project on the following topics.
 - Students having even roll nos required to prepare project on Principles of Management
 - Students having odd roll nos. Required to prepare project on Business Environment

Subject: Accountancy

1. Do MCQ of chapter 1 and 4.
2. Do exercise questions of comparative statements and common size (4 question preparation of Balance Sheet and 4 of preparation of statement of profit and loss accounts)
3. Do exercise questions of ratio There should be minimum 2 numerical of each ratio from the exercise.
4. Prepare format of Balance sheet

POLITICAL SCIENCE

1. Learn full syllabus done in the online classes till now.
2. Prepare an assignment on the roll of sardar patel in integration of India after independence
3. Make a project on five year plans with proper details of timing " Focus;and achievement
4. Make a project on cold War arenas with brief description of each war fought during cold War and role of super powers

Subject - History

Q1 Read all chapter that had been taught in online class and find out for 1 marks 3 and 8 marks questions?

Q2 Fill and paste the map related to above chapters?

Q3 Make a project on any chapter given in your syllabus and consider these points

Title

Aknowledge

Objectives

Index or content

Introduction

Images /map

Timeline chart

Bibliography

Sources

Q4 Make an assignment on world epidemic **covid-19**

- A) Impact on environment and human being
- B) Employment
- C) Globalisation
- D) Violence of human rights
- E) Role of media.

Class – XII Informatics Practices

Note: Do all the work in IP fair notebook in neat and clean handwriting.

Q1. Do all the unsolved exercises of chapters 1, 2 and 3.

Q2. Read, understand, learn and prepare the notes of aforesaid chapters.

Q3. Prepare a brief report on 'MySQL is the backend for most of the Frontends'.

Q4. Prepare a database in MySQL (include at least five tables with Foreign Key and records)

Even Roll Numbers - for School

Odd Roll Numbers - for Medical Store

Q5. Prepare a detail report on import and export data between

i. Pandas and CSV

ii. Pandas and MYSQL

Q6. Prepare a DataFrame in Python Pandas (include at least ten columns and twenty rows).

Arrangements given below:

Even Roll Numbers - for Examination

Odd Roll Numbers - for Library

Q7. Prepare a wide report on usage, syntax and example on " DataFrame .loc[] " .

Help - Read the chapter 2 and 3 carefully and find out all the usage with syntax and examples of " .loc[] " function.

Q8. Prepare a brief report of each on the followings:

- i. Pandas Series v/s ndarray
- ii. Boolean index and Label index
- iii. Statistics functions in Python
- iv. Handling of Missing Values in DataFrame

Q9. Choose a suitable project for yourself and start to Prepare that for Final Project submission.

Help - A helping video - How to make project for final practical exams will be sent in WhatsApp group. Watch, observe and understand.

XII Economics:

Learn

lesson 1 to 6 of Macro Economics

Lesson 1 of Indian Economic Development

बीष्मावकाश कार्य 2021-22

कक्षा -12वीं

विषय- हिंदी

1. कोरोनावायरस महामारी के कारण हमारे देश के डॉक्टर व मेडिकल वर्कर्स जी जान से नागरिकों के स्वास्थ्य के लिए मेहनत कर रहे हैं। डॉक्टर तथा मेडिकल वर्कर्स को उनके योगदान के लिए अपना आभार व्यक्त करते हुए समाचार संपादक को पत्र लिखिए।

2. नीचे दिए गए विषयों पर 150 शब्दों में रचनात्मक लेख लिखिए

क) निजी जीवन में मीडिया की ताक झंका

ख) बरसात का पहला दिन

3. पढ़े लिखो का विदेश पलायन पर फीचर लिखिए।

4. अंतराल -पाठ 1,2 अंतरा- काव्य भाग पाठ 1,2 गद्य भाग पाठ 1,2 के प्रश्न उत्तर अपनी उत्तर पुस्तिका में पूरे करो।

5. कविता /कहानी/नाटक की रचना प्रक्रिया पर आधारित दी गई pdf फाइल के प्रश्न उत्तर अपनी उत्तर पुस्तिका में लिखो।