



RASS-JB Public School Datia

Holiday Homework
Session 2022-23
Class-XII

Subject Name	Homework
Accountancy & Economics	<p>Subject-Accountancy</p> <ol style="list-style-type: none">1. Practice questions of chapters explained during the class.2. Complete fair copy3. Write down the formulas in your fair copy.4. Try to solve questions of chapter-02 & 03, in case of doubts feel free to connect. <p>Subject-Macro Economics</p> <ol style="list-style-type: none">1. Note down the notes in your fair copy.2. Complete fair copy3. Write down the formulas of chapter-02 in your fair copy.4. Try to solve questions of chapter-02 & 03, in case of doubts feel free to connect. <p>Subject-Indian Economics</p> <ol style="list-style-type: none">1. Read and note down the notes of chapter 1 to 3 in your fair copy.
Biology	<p>A) Answer the following questions in your Biology notebook -</p> <ol style="list-style-type: none">1) Offsprings produced by asexual reproduction are referred to as Bryophytes and Pteridophytes produce a large number of male gametes but relatively very few female gametes. Why? clones. Why?2) Mention the main difference between the offspring produced by asexual reproduction and progeny produced by sexual reproduction.3) Which characteristic property of Bryophyllum is exploited by gardeners and farmers?4) What represents the life span of an

organism?

- 5) How do the following organisms reproduce: Paramoecium and Penicillium?
- 6) State the function of a vegetative propagule.
- 7) How will you grow a banana and a ginger plant?
- 8) Higher organisms have resorted to sexual reproduction in spite of its complexity. Why?
- 9) Bryophytes and Pteridophytes produce a large number of male gametes but relatively very few female gametes. Why?
- 10) Enlist the significance of reproduction.
- 11) Define 'oestrus' and 'menstrual' cycles.
- 12) What regulates the reproduction processes and the associated behavioural expressions in organisms?
- 13) What do the symbols AA and Aa stand for?
- 14) Name the plant that shows incomplete dominance in respect to the colour of its flower.
- 15) What are the real determinants of what an organism will become?
- 16) Name the disorder in humans with the following karyotype:
- 17) (a) 22 pairs of autosomes + XO
- 18) (b) 22 pairs of autosomes + 21 XY
- 19) A geneticist is interested in studying variations and patterns in living beings. He preferred to choose an organism with the short life cycle. Provide a reason.
- 20) State the Mendelian principle which can be derived from a dihybrid cross and not from a monohybrid cross.

	<p>(B) write short notes on the following</p> <ol style="list-style-type: none"> 1) Traits 2) Genetics 3) inheritance 4) Asexual reproduction 5) Microsporogenesis 6) Events involved in fertilization 7) Structure of Anther 8) structure of pollen grains 9) Unisexual and Bisexual flowers 10) Laws of Mendel <p>(B) Make a project file on any of the topics given below (the file must contain a minimum of 20-25 pages)</p> <ol style="list-style-type: none"> 1) Reproduction and it's types 2) sexual reproduction in flowering plants 3) Laws of inheritance 4) Mendel's contribution in field of Genetics 5) Pedigree Analysis
Chemistry	<ol style="list-style-type: none"> 1. Chart paper for chapter solution and colligative properties. 2. Chart paper for chapter halo-alkane and halo-arenes
Computer	<p>write 20 python program according to your syllabus and write 20 SQL queries according to your syllabus</p>
English (core)	<ol style="list-style-type: none"> 1. Make a project chart on Major Indian Languages. 2. Make an attractive and colorful poster on “ Child Labour” <p>Points to note:-</p> <ul style="list-style-type: none"> • The chart should be white in color and a good border should be drawn. • Handmade Drawings/Sketches/Cartoons can be used to make it look attractive. • The Poster should be made on a blank A4 Size paper. • <i>Copied content will not be appreciated.</i>

<p>B.St.</p>	<p>Case studies- Nature and significance of management.</p> <p>A floor manager of a mall is a very good manager as he utilizes All the functions of management to minimize cost of maintenance of his area. He directs all the staff members under him to follow the targets and advises them to put their efforts in the directions of achievement of these targets. Under his guidance the employees admit that they learn a lot and are able to meet their salaries. Identify the importance of management highlighted above.</p> <ol style="list-style-type: none"> 1. Make an assignment on consumer protection act, 2019 <p>(Introduction, Importance and rights & responsibilities)</p> <ol style="list-style-type: none"> 2. Make an assignment on Functions of management, Nature and levels of management.
<p>Math</p>	<p>Relations and Functions Important Extra Questions Very Short Answer Type</p> <p>.</p> <p>(1) If $R = \{(x, y) : x + 2y = 8\}$ is a relation in N, write the range of R</p> <p>(2). Show that a one-one function : $f: \{1, 2, 3\} \rightarrow \{1, 2, 3\}$ must be onto</p> <p>(3) What is the range of the function $f(x) = x-1 \setminus x-1$</p> <p>(4) Show that the function $f : N \rightarrow N$ given by $f(x) = 2x$ is one-one but not onto.</p> <p>(5) If $f : R \rightarrow R$ is defined by $f(x) = 3x + 2$ find $f(f(x))$</p> <p>(6) If $f(x) = x / x-1$, $x \neq 1$ then find $f \circ f(x)$</p>

	<p>(7) If $f: \mathbb{R} \rightarrow \mathbb{R}$ is defined by $f(x) = (3 - x^3)^{1/3}$, find $f \circ f(x)$</p> <p>(8) If $f(x) = 4x + 3/6x - 4$, $x \neq 2/3$ find $f \circ f(x)$</p> <p>(9) Prove that function $f: \mathbb{N} \rightarrow \mathbb{N}$, defined by $f(x) = x^2 + x + 1$ is one-one but not onto. Find inverse of $f: \mathbb{N} \rightarrow S$, where S is range of f.</p> <p>(10) $f: [0, \infty) \rightarrow [-5, \infty)$, which makes $f(x) = 9x^2 + 6x - 5$ an onto function.</p> <p><i>Note all question from ncert</i> <i>Topic</i> (1) Relation and function (2) ITF (3) DET. (4) MAT</p>
<p>Physics</p>	<ol style="list-style-type: none"> 1- Revised ch-1 and derive all derivation of it. 2- Solve 30 numerical based on Electric field, Gauss's Law, Field due to dipole, Coulomb law 3- Solve 30 conceptual questions of chapter -1 4- Solve 20 Numerical Based on Electric potential, potential due to dipole, equipotential surface . 5- Solve 20 conceptual question Electric potential, potential due to dipole, equipotential surface
<p>HINDI</p>	<p>साहित्य – गद्यखण्ड – <ol style="list-style-type: none"> 1. भक्तिन 2. बाजार दर्शन 3. कालेमेघा पानी दे काव्यखण्ड – <ol style="list-style-type: none"> 1. "आत्मकथा" तथा "एकगीत" 2. पतंग उपरोक्त पाठों को पुनः पढ़ना समझना तथा संभावित सभी प्रश्नों के उत्तर लिखना व याद</p>

	<p>करना । (अभिव्यक्ति और माध्यम)</p> <ol style="list-style-type: none"> 1. पत्रकारीय लेखन के विविध आयाम । 2. कविता / कहानी / नाटक की रचना । <p>उपरोक्त पाठों को अच्छी तरह से पढ़ना, समझना तथा दोनों ही पाठों से अधिकतम प्रश्न तैयार करके उन्हें उत्तर सहित लिखना ।</p> <p>व्याकरण –</p> <ol style="list-style-type: none"> 3. आवेदन पत्र (अलग-अलग पद हेतु कोई-2) 4. "कार्यालयी पत्र" विस्तार से पढ़े व समझें
<p>Physical Education</p>	<ol style="list-style-type: none"> (a) DRAW KNOCK-OUT FIXTURE OF 25 TEAMS. (b) DRAW CYCLIC FIXTURE OF 8 TEAMS. (c) DRAW STAIR CASE FIXTURE OF 8 TEAMS (d) DRAW KNOCK-OUT CUM LEAGURE FIXTURE OF 16 TEAMS. (e) ELABORATE MAJOR AND MINOR NUTRIENTS OF FOOD. (f) LEARN SCIENTIFIC NAMES OF ALL VITAMINS AND DISEASES CAUSED BY THE DEFICIENCY OF THEM. (g) WRITE A SHORT NOTE ON FOOD MYTHS AND PITFALLS OF DIETING. (h) DISCUSS ADVANTAGE AND DISADVANTAGE OF KNOCKOUT TOURNAMENT.