**St.Andrew’s College of Arts, Science & Commerce, Bandra-West, Mumbai-400050**

**XII STD PORTION FOR ONLINE MCQ EXAM FOR ACADEMIC YEAR 2020-21**

WITH WEIGHTAGE OF MARKS AND DELETED TOPICS

Dated: 19 June 2021

**STREAM**: **SCIENCE** **Question Bank of HPE is displayed on College website**

**Da**

* 50% of the syllabus is included.
* Purely Objective Type of Questions – True/False, fill in the blanks, match the column, select the correct alternatives, answer in one word, etc ONLY IN MCQ FORMAT
* **Scheme of marking will be displayed once HSC Board circular is received by the College**.
* **Examination via “ Google Form”**
* **Procedure of conduct of examination will be informed to candidates once H.S.C Exam guidelines are declared**.
* **Students should start preparing and not wait for the last moment**.
* **Please also refer to the notice dated 15 June 2021displayed on the College website**. **Reference:** **XII STD Hall Ticket & Result- Evaluation & Generation 2020-21 Batch**

**HINDI**

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| --- | --- | --- |
| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 1. | नवनिर्माण - त्रिलोचन​ | ------------ |
| 4. | आदर्श बदला- सुदर्शन | \_------------------- |
| 6. | पाप के चार हथियार​- प्रभाकर | ----------------- |
| 7. | पेड होने का अर्थ​- डाँ. मुकेश गौतम | ----\_----- |
| 8 | सुनो किशोरी- आशारानी व्होरा | ---------- |
| 13. | कनुप्रिया- डाँ. धर्मवीर भारती | ---\_--------- |
| 14. | पल्लवन​- डाँ. दयानन्द तिवारी | --\_---\_------------ |
| 15. | फीचर लेखन​- डाँ. बीना शर्मा | ----\_--------- |
|  | व्याकरण  रस , अलंकार , काल परिवर्तन | --\_-----------++- |

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**FRENCH**

|  |  |  |
| --- | --- | --- |
| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 0 | Bientot les vacances | NIL |
| 1 | Autour de la table | NIL |
| 2 | Voyages…voyages | NIL |

**IT (SCIENCE)**

|  |  |  |
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| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 1 | Advanced Web designing | NIL |
| 2 | Introduction to SEO | NIL |
| 6 | E-commerce and E-Governance | NIL |

**PSYCHOLOGY**

|  |  |  |
| --- | --- | --- |
| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **(Indicate Page number and Section Number)** |
| **1**. | **PSYCHOLOGY: A Scientific Discipline** | **1.4.3 Observation method --------- of psychoanalysis by Sigmund Freud**  **(Pgs. 6&7)** |
| **2.** | **INTELLIGENCE** | **2.6.1 Social Intelligence -------- Calm, Satisfied, Restless, Dissatisfied**  **(Pgs. 18, 19 & 20)** |
| **5.** | **EMOTIONS** | **5.2 Basic emotions --------- sometimes we experience mixture of emotions which are complex to understand.**  **(Pgs. 46 &47)** |
| **6.** | **PSYCHOLOGICAL DISORDERS** | **Nothing Omitted from this chapter.** |

**SOCIOLOGY**

|  |  |  |
| --- | --- | --- |
| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 1 | Introduction to Indian Society | No Omitted Portion |
| 3 | Diversity and Unity in Indian Society | No Omitted Portion |
| 6 | Social Problems in India | Omitted portion  6.3 Unemployment (page no 85 to 88)  6.4 Farmers’ Suicide (page no 88 to 90) |

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**ECONOMICS**

|  |  |  |
| --- | --- | --- |
| **Chapter No** | **Name of the Chapter** | **Omitted Topics**  **(Page number indicated)** |
| 1 | INTRODUCTION TO MICRO AND MACRO ECONOMICS | Page1 - HISTORIC AL REVIEW OF MICRO AND MACRO ECONOMICS.  Page 3 - IMPORTANCE OF MICRO ECONOMICS  Page 5 - IMPORTANCE OF MACRO ECONOMICS |
| 2 | UTILITY ANALYSIS | Page 11 - YOU SHOULD KNOW (FORMULAE -PURPLE BOX)  Page 14- SIGNIFICANCE OF THE LAW |
| 3A | DEMAND ANALYSIS | Page 19 - REASONS FOR DOWNWARD SLOPING DEMAND CURVE.  Page 25 - YOU SHOULD KNOW. |
| 5 | FORMS OF MARKET | Page 49 - TYPES OF MONOPOLY. |
| 8 | PUBLIC FINANCE IN INDIA | Page 72- CLASSIFICATION OF PUBLIC EXPENDITURE.  Page 74- CANONS OF TAXATION  Page 78- TYPES AND IMPORTANCE OF BUDGET. |

**CS-I**

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| --- | --- | --- |
| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 2 | Data Structures | Introduction to Data Structures |
| 3 | C++ | Review of C++ |

**CS-II**

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| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 1 | Introduction of Microprocessors and Organization of 8085 | Evolution of microprocessor(pg 182)  Block Diagram of Generic Microprocessor(pg185) |
| 2 | Instruction Set and Programming of 8085 |  |

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**PHYSICS**

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| **Chapter No** | **Name of the Chapter** | **Omitted Topics** | |
| **Page number** | **Section Number** |
| 1 | Rotational Dynamics | 11  11  12-14  14  15-16  19-20 | 1.4.2  1.4.3  1.5  1.6  1.7  1.11 |
| 3 | Kinetic Theory of Gases and Radiation | 56  56  57  57  61-62  68  69-70 | 3.1  3.2  3.3  3.4  3.8  3.13  3.14 |
| 5 | Oscillations | 116-117  117-118  118-119  119-120  125-126  126-127  127-128 | 5.7  5.8  5.9  5.10  5.13  5.14  5.15 |
| 6 | Superposition of Waves | 131  131-132  132-134  144  150-151  153  154 | 6.1  6.2  6.3  6.7.4  6.9.1  6.10  6.11 |
| 8 | Electrostatics | 191-194  194-195  196-199  199  208  210-211 | 8.4  8.5  8.6  8.7  8.11  8.13 |
| 9 | Current Electricity | 214  221-223 | 9.1  9.4.2 |
| 15 | Structure of Atoms and Nuclei | 324  324  324  330-332  332-333  333-336  336  338-341 | 15.1  15.2  15.3  15.7  15.8  15.9  15.10  15.11 |
| 16 | Semiconductor Devices | 334  346  346  347  347-350  360-361  363 | 16.1  16.2.3  16.2.4  16.3  16.3.1  16.4.3  16.5.6 |

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**CHEMISTRY**

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| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 01 | Solid State | 1.2.1 Crystalline solid(, 1.2.2. Amorphous solid, 1.7.3 Packing efficiency of metal crystal in fcc lattice, Table 1.3 Edge length and particle parameters in cubic system, Table 1.4 Point no.3 fcc/hcp only, 1.9 Electrical properties of solids, 1.10 Magnetic properties of solid. |
| 02 | Solution | Demonstration and Exceptions to Henry’s Law, 2.11.1 Van’t Hoff factor (i), 2.11.2 Modification of expressions of colligative property, 2.11.3 Van’t Hoff factor and degree of dissociation, Problem 2.10,2.11,2.12,2.14 |
| 04 | Chemical Thermodynamics | 4.1 Introduction, 4.2.6 Thermodynamic Equilibrium, key points for spontaneous process, 4.11.3 Entropy and spontaneity,  4.11.4 Second law of thermodynamics, 4.11.5 Gibbs energy,4.11.6 Gibb’s energy and spontaneity, 4.11.7 Spontaneity and  ΔH or ΔS, 4.11.8 Temperature of equilibrium, 4.11.9 Gibbs function and equilibrium constant, Problem 4.16,4.17,4.18,  Problem 4.19 and 4.20 |
| 06 | Chemical Kinetics | 6.1 Introduction, 6.6 collision theory of bimolecular reactions, 6.7 Temperature dependence of reaction rate, Problem  6.12 and 6.13, Problem 6.14 |
| 10 | Halogen Derivatives | |  | | --- | | 10.3.5 Sandmeyer’s reaction, 10.5.5 Representation of configuration of molecule, 10.6.1 Laboratory test of haloalkane,  10.7 Uses and Environmental effect of some polyhalogen compound | |  | |
| 11 | Alcohols,Phenols and Ethers | |  | | --- | | Preparation of alcohols a) From alkyl halide b) By acid catalyzed hydration of alkenes, a)Laboratory test of alcohols and  phenol i) Litmus test , ii) Reaction with base  ii)Reaction with Phosphorus Halide, iii) Dehydration of alcohols to alkenes, a)Laboratory test of ether | |
| 14 | Biomolecules | 14.1 Introduction , 14.2.10 Polysaccharides(Statch,cellulose and glycogen ), b) Secondary structure of protein, c) Tertiary  structure of protein, d) Quaternary structure of protein, Fig.14.26 Formation of nucleoside, Fig.14.27 Structure of nucleotide, Fig. 14.28 Formation of dinucleotide, 14.4.3 DNA double helix |
| 15 | Introduction to Polymer Chemistry | Fig.15.2 Classification of polymers, 15.3.6 Phenol-formaldehyde and related polymers, Fig.15.3 Preparation of Bakelite, Fig. 15.4 Formation of crosslinked malemine formaldehyde resin, 15.3.9 Viscose rayon, Fig 15.7 Formation of viscose  rayon, 15.4 Molecular mass and degree of polymerization of polymers |

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**BIOLOGY**

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| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **(Indicate Page number and Section Number)** |
| 1 | Reproduction in Lower & Higher Plants | Unit 1.1 – Asexual Reproduction (Pg. 1-2) |
| 2 | Reproduction in Lower & Higher Animals | Unit 2.1 – Asexual Reproduction (Pg. 18-19) |
| 3 | Inheritance & Variation | No Deletion |
| 4 | Molecular Basis of Inheritance | No Deletion |
| 8 | Respiration & Circulation | Unit 8.16 – Angiography, Heart Transplant & Silent Heart Attack (Pg. 175-176) |
| 10 | Human Health & Diseases | No Deletion |
| 12 | Biotechnology | No Deletion |

**Mathematics**

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| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 1 | Mathematical Logic | Dual, application of logic to switching circuit |
| 2 | Matrices | Uniqueness of inverse of a matrix, Method of Reduction |
| 3 | Trigonometric equations | General solution, Theorem : 3.1,3.2,3.3,3.4,3.5,3.6.  Application of Sine Rule, Cosine Rule , Projection Rule, Proofs of properties of inverse trigonometric functions |
| 4 | Pair of straight lines | General Second degree equations in X and Y |
| 5 | Derivatives | Successive differentiation of some standard functions |
| 6 | Application of derivatives | Approximations, Rolle's theorem, Lagranges Mean Value theorem |
| 7 | Indefinite integration | Integration of the type ,  Something Interesting |

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***ST.ANDREW’S COLLEGE***

*ST.DOMINIC ROAD, BANDRA, Mumbai-400050.*

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***SUBJECT:-HEALTH AND PHYSICAL EDUCATION***

(Compulsory Subject for 11th and 12th Arts, Science and Commerce)

***Exam Pattern as per the Board Guidelines for 12th Std.***

# Evaluation 2020-21

*(1)THEORY Examination ( to be conducted) :* ***25Marks***

***(2) 25 Marks of XI STD 2019-20 Practical Marks carried forward***

***Total : 50 Marks***

***GRADE*** *-..................................*

*A=30 MARKS AND ABOVE B=25 MARKS - 29 MARKS C=15 MARKS - 24 MARKS*

*D= 0 MARKS - 14 MARKS (FAIL)*

***QUESTION PAPER PATTERN:-***

*MCQ Type of Questions from first four chapters*

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# Vice Principal Sports Director

***St.Andrew’s College***

#**NOTICE**-As per HSC Board Guidelines (2020-21) the Health and Physical Education subject syllabus has reduced.

Students will study the following topics for this year2020-21

1)**12TH:- Arts, Commerce & Science -First 4 topics**.



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**ENGLISH**

|  |  |  |
| --- | --- | --- |
| **Chapter No** | **Name of the Chapter** | **Omitted Topics, if any**  **( Indicate Page number and Section Number)** |
| 1.1 | An Astrologer's Day | None |
| 1.2 | On Saying "Please" | None |
| 1.4 | Big Data - Big Insights | None |
| 1.8 | Voyaging Towards Excellence | None |
| 2.1 | Song of the Open Road | None |
| 2.2 | Indian Weavers | None |
| 2.4 | Have You Earned Your Tomorrow | None |
| 2.5 | Father Returning Home | None |
| 4.1 | History of Novel | None |
| Grammar | Direct and Indirect Speech | None |
| Grammar | Simple, Compound and Complex Sentences | None |
| Grammar | Voice | None |
| Grammar | Tense | None |
| Grammar | Exclamatory, Interrogative and Assertive Sentences | None |
| Grammar | Infinitives, Gerunds and Participles | None |
| Grammar | Modal Auxiliaries |  |
| Grammar | Degrees of Comparison |  |
| Writing Skills | Film Review | None |
| Writing Skills | Email | None |

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