

PAKISTAN INTERNATIONAL SCHOOL, RIYADH

SCHEME OF STUDIES

HSSC-II

SESSION 2020-2021

2nd Semester

(Science / Arts Group)

Date / Week	Physics	Chemistry	Biology	Computer	Maths.	Pak. Std.	English	Urdu	P.Edu	H.Eco	Isl.Std.
16. 11.20 to 19.11 .20 1 (4 Days)	CH#13 Electromagnetism 13.2 Force on current carrying conductor 13.3 Magnetic FLux 13.4 Ampere's Law 13.5 Magnetic field due to current carrying solenoid, 13.6 Motion of charge particle	CH#17:alkyl halides and amines 17.1 Alkyl halides 17.1.1 to 17.1.5 Nomenclature,Physical properties,structure,preparation and reactivity 17.1.6 reactions 17.1.6.1 to 17.1.6.5 nucleophilic substitution reactions (complete topic) CH#24:Analytical chemistry introduction	Ch 18: CHEMICAL COORDINATION 18.1 Hormones- The chemical messengers 18.2 Endocrine System of Man (Glands with location, secretions and imbalance) 18.2.1 Pituitary gland and the Role of Hypothalamus 18.2.2 Thyroid	Ch.#5 Introducti on to Array 5.1.1-5.1.4	Ch. # 3 Integration Ex. # 3.1 Q #1,2(iii,iv), 3(i,iii) and 4 Ex. # 3.2 Q # 1(i, iii iv i,viii,x,xi) 2((i,ii,v,vii,ix,x,xi,xii,xiii) Example # 5, page 133 Ex. # 3.3 Q1,2,3,4,6,8,9,11,12,14,15, 16,17,18,19,20,21	Ch. #5 Organs of the Federal govt. & their functions Composition of Federal Parliament	unit: 4 :COURAGE AND DETERMINATION 4.1 :Determination R/Explanation Ex./unseen Q/A	مصنف -کنڈکٹر کا تعارف، مشقی سوالات، معنی و مفہوم، نثر پارے کی سلیس، مرکب جملے اور ان کی اقسام	Ch.r:2 Values of games and sports	Ch.r: 11 Cooking Principles and methods Q/A	سورة البقرة: ركوع 13 ترجمہ و تشریح حدیث مبارکہ: 29 ترجمہ
22.11.20 to 26.11.20 2 (5 Days)	13.7 Torque on current carrying conductor 13.8 Galvanometer 13.9 to 13.11 Conversions of Galvanometer Related Ex. questions and Numericals	CH#17:alkyl halides and amines 17.1.7 elimination reactions 17.2 organometallic compounds, Ex. CH#18:Alcohols ,phenols and ether introduction CH#24:Analytical chemistry 24.2 Spectroscopy	Ch 18 (Cont.) 18.2.3 Parathyroid 18.2.4 Pancreas 18.2.5 Adrenal 18.2.6 Gonads 18.2.7 Other Endocrine Tissues / Cells 18.3 Feedback Mechanism	Ch.#5 Introducti on to Array 5.1.5-5.2.2	Ch. # 3 Integration Ex. # 3.4 Q#1(i,iii,vii,xi,xiv, xv, xvi, xvii,xix,xx,xxi) 2(i, iii,iv,vii,vii 3, 4(ii, iii,v,vi) 5(i,iv v,vi,vii, viii,ix,x,xi) Ex. # 3.5 Q # 1,4,7,8,11,12,15,16,19,22,2 6, 29	Ch. #5 Concept of Good Governance Hazrat Omer's System of Govt. Back Ex.	UNIT:4: COURAGE AND DETERMINATION 4.3:It couldn't be Done, explanation Thematic questions 4.4:Adjectives book Ex.s	ایک وصیت کی مصنف کا -تعمیل تعارف، مشقی سوالات، معنی و مفہوم، نثر پارے کی سلیس، مرکب جملے اور ان کی اقسام	Ch.r:3 Rules and fundamenta l skills of Athelatics 1.Javelin throw,400 meters race	Unit : 2 Ch.r :2 The importance of a proper measurement for good fitting. Make a draft of shirt	جاری سورة البقرة: ركوع 13 ترجمہ و تشریح احادیث مبارکہ: 30 ، 31 ، 32 ترجمہ
29.11.20 to 03.12.20 3 (5 Days)	CH# 14 Electromagnetic Induction 14.2 Faraday's Law 14.3 Lenz's Lawz 14.4 Induced EMF	CH#18:Alcohols ,phenols and ether 18.1.1 to 18.1.7 (Nomenclature,physical properties,st. ,acidity,preparation and reactions of alcohols	CH 20: REPRODUCTION 20.1 Reproductive System of Man 20.1.1 Male Reproductive System and its Hormonal Regulation	Ch.#5 Introducti on to Array 5.2.3-5.3.1	Ch. # 3 Integration Example # 4, page 159 Ex. # 3.6 Q # 2, 3, 5, 6, 9, 10, 11, 12, 13, 15, 17, 18, 19, 20, 21, 24, 25, 27, 28, 30 Ex. # 3.7 Q# 1, 2, 6, 7, 8, 9, 10, 12, 13	Ch. #6 Meaning & Definition of culture Pakistan' Cultural Heritage Important Ancient Sites of Cultural Significance	UNIT.4 COURAGE AND DETERMINATION 4.5,4.6: Adj. phrases/ clauses book Ex.s	شاعر کا -ستارے تعارف، مشقی سوالات، معنی و مفہوم، اشعار کی تشریح	Ch.3 Javelin Throw,400 meyers race Q/A	Ch.r: 3 The importance of studying fiber	عنوانات (Topics) باب پنجم: اسلامی معاشرہ، ریاست کے حقوق و فرائض

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05.12.20 to 06.12.20 4 (2 Days)	14.4.4.3 Eddy Currents 14.5 Generating Electricity 14.6 AC Motor Related Ex. questions and Numericals	CH#18:Alcohols ,phenols and ether 18.2.1 to 18.2.4 (Nomenclature,physical properties,st. ,acidity comparison of phenols) 18.3.1,18.3.2 (Nomenclature,physical properties,preparation and reactions of ethers)Ex.	Ch 20 (Cont.) 20.1.2 Female Reproductive System and its Hormonal Regulation 20.2 Disorders of Reproductive System	Ch.#5 Introductio n to Array 5.3.2-5.3.3	Ch. # 3 Integration Example # 5, page 171 Ex. # 3.8 Q # 1(i, v), 6, 8, 11, 12, 13, 14, 16, 17, 19, 21, 22, 23	Ch. #6 Common characteristics of Pakistani Culture Be Pakistani, Buy Pakistani Back Ex. Ch.# 8 Meaning & importance of National Integration	UNIT:5: TECHNOLOGY/ GENDER INEQUALITY, 5.2:Gender----- Society, R/Explanation Ex./unseen Q/A.	-علامہ اقبال مصنف کا تعارف ،مشقی سوالات،معنی و مفہوم، نثر پارے کی سلیبس، رموز و اوقاف	H.B Ch.r:8 First aid a.Fire & electric hazards and safe guard against them Q/A	Ch.r : 3 Q/A Ch.r : 4 Basics of Textile weaving	سورة البقرة: رکوع 14 ترجمہ و تشریح احادیث مبارکہ:33، 34 ترجمہ
07.12.20 to 29.12.20 Winter Break											
30.12.20 to 31.12.20 5 (2 Days)	CH#15 AC Circuits 15.1 to 15.5 Alternating voltage and current to RMS value of Sinusoidal current	CH#19:Aldehydes and ketones 19.1 to 19.4 (Nomenclature,physical properties and preparation) 19.5.1 Nucleophilic addition reactions of Aldehydes and ketones (base catalyzed)	Ch 21. DEVELOPMENT AND AGING 21.1 Embryonic Development (Cleavage, Gastrulation, Neurulation)	Ch.#5 Introductio n to Array Ex. Q/A	Ch. # 4 Introduction to Analytic Geometry Ex. # 4.1 and Ex. # 4.2	Ch. #8 Problems of National Integration Remedial Measures Educational & Opinion Farming	UNIT:5 TECHNOLOGY/ GENDER INEQUALITY: 5.3: The School Boy, R/Explanation Thematic questions	غزل – احمد شاعریکا :فراز تعارف ،مشقی سوالات،معنی و مفہوم ، اشعارکی تشریح، مراعاة النظیر	Ch.8 c.Artificial respiration by the following methods: mouth to mouth etc	Ch.r : 4 Q/A	جاری احادیث مبارکہ:33، 34، 35 ترجمہ عنوانات: باب ششم : تبلیغ
03.01.21 to 07.01.21 6 (5 Days)	CH#15 15.6 to 15.9 Phase of AC to AC through Capacitance Related Ex. questions and Numericals	CH#19:Aldehydes and ketones Nucleophilic addition reactions of Aldehydes and ketones(acid catalyzed) 19.6.4 Oxidation reactions Ex.	Ch 21 (Cont.) 21.3 Human Embryonic Development	Ch.#6 Functions 6.1.1-6.1.4	Ch. # 4 Introduction to Analytic Geometry Ex. # 4.3 and Ex. # 4.4	Ch.#8 Administrative Measures Political Measures Back Ex. Ch. #9 Planning Why is Planning required? Agriculture Sector	UNIT:5 TECHNOLOGY/ GENDER INEQUALITY, 5.4: Adverbs/ Adverb phrases/ clauses	نثر عمل- شاعریکا تعارف ، معنی و مفہوم ، اشعارکی تشریح "جاری-----"	Ch.8 Schafer's method Q/A	Unit : 2 Ch.2 to 4 revision	سورة البقرة: رکوع 15 ترجمہ و تشریح عنوانات: باب ششم : جہاد
10.01.21 to 14.01.21 7 (5 Days)	CH# 16 Physics of Solids 16.5 Energy Band Theory 16.6 Super Conductors Related Ex. questions	CH#20:Carboxylic Acids and functional derivatives: 20.1 to 20.6 (Nomenclature,physical properties ,st. ,acidity, preparation and reactivity) 20.7.3 reactions involving -COOH CH#23:Environmental chemistry 23.1,23.1.1smog,23.1.2 acid rain,23.1.3 Green house effect	Ch 25. MAN AND HIS ENVIRONMENT 25.1 Biogeochemical cycle	Ch.#6 Functions 6.1.5-6.1.7	Ch. # 4 Introduction to Analytic Geometry Ex. # 4.5 Ch. # 6 Conic Section Ex. # 6.1 Example 4, page 260 Example 8, page 263 Ex. # 6.2 and Ex. # 6.3	Ch. #9 Industrial Development Trade & Commerce E-Commerce Information Technology Back Ex. Ch. # 10 Foreign Policy Principles of Foreign Policy Aims & Objectives of Foreign Policy	UNIT:5 TECHNOLOGY/ GENDER INEQUALITY, 5.5, 5.6: Prepositions/ Prepositional phrases	نثر عمل- معنی و مفہوم ، اشعار کی تشریح ، مشقی سوالات	Revision Ch.4 and 6 Short and Detail Q/A	Ch.r :5 Wardrobe Planning Q/A	جاری سورة البقرة: رکوع 15 ترجمہ و تشریح حضرت امام جعفر صادقؑ

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17.01.21 to 21.01.21 8 (5 Days)	CH# 17 Electronics 17.5 Rectification 17.6 Transistor 17.7 Types of Configuration	CH#20:Carboxylic Acids and functional derivatives: 20.7.4 Reactions Of Carboxylic Acids derivatives Ex. CH#23:Environmental chemistry 23.1.4 Automobile 23.3.2 Wastewater treatment 23.4 Green chemistry Ex.	Ch 25 (Cont.) 25.3 Ecological Succession	Ch.#6 Functions Ex. Q/A	Ch. # 6 Conic Section Example 6, page 280 Ex. # 6.4 Ex. # 6.5 and Ex. # 6.6	Ch.# 10 Factors Determining Foreign Policy Pak-China Relations	UNIT:6 CULTURAL HERITAGE 6.1: Archaeological---- ----Pakistan R/Explanation Ex./unseen Q/A	مرید پور کا پیر۔ مصنف کا تعارف مشقی سوالات، معنی و مفہوم، نثر پارے کی سلیبس، رموز و اوقاف	Revision Ch.6 Short and Detail Q/A	Ch.r : 6 Self Grooming Q/A	احادیث مبارکہ (ٹیسٹ) 29-30 ترجمہ حضرت امام زید بن علیؑ
24.01.21 to 28.01.21 9 (5 Days)	CH#17 Relates Ex. questions and Numericals	CH#21:Biochemistry Introduction 21.1.1 ,21.1.2(classification and functions of carbohydrates) 21.2.1 to 21.2.4(classification,st. ,properties and importance of proteins)	Ch 26: BIOTECHNOLOGY 26.1 Cloning of gene 26.2 DNA Sequencing	Ch.#8 Object & classes 8.1.1-8.1.4	Ch. # 6 Conic Section Example 6, page 305 Ex. # 6.7 Ex. # 6.8 and Ex. # 6.9	Ch.# 10 Pak India Relations Pak-Iran Relations	UNIT:6 CULTURAL HERITAGE 6.3: Once Upon a Time R/Explanation Thematic questions	گرامر: معاون فعل، مصادرا کا بطور امدادی فعل استعمال، نظم، پابند نظم، معنی نظم	Revision Ch.2 Short and Detail Q/A	Practical work Basic seams and stitches and file work	سورة البقرة: ركوع 13 معروضی سوالات مختصر سوالات
31.01.21 to 04.02.21 10 (5 Days)	CH# 20 Nuclear Physics 20.5 Mass Defect and Binding Energy 20.9 Interaction of Radiation with matter	CH#21:Biochemistry 21.4.1 to 21.4.3(classification,st. and properties of lipids) 21.6.1 sources and bio.significance of Fe,Ca, P and Zn) Ex.	Ch 26 (Cont.) 26.5 Tissue Culture 26.6 Transgenic Bacteria, Plants & Animals	Ch.#8 Object & classes 8.1.5-8.1.7	Revision Ch.r # 1 Ch.r # 4	Ch. # 10 Pakistan & the United States of America Pak-Afghanistan relations	UNIT:6 CULTURAL HERITAGE, 6.4: Figures of Speech	غزل - شہزاد شاعرا: احمد تعارف، مشقی سوالات، معنی و مفہوم، اشعار کی تشریح	Revision ch.3 Short and detail Q/A	Ch.r : 9 and 10 revision	سورة البقرة: ركوع 14 معروضی سوالات مختصر سوالات
07.02.21 to 11.02.21 11 (5 Days)	CH# 20 20,18 Basic Forces of Nature 20.19 Building Blocks of Matter Ex. questions	CH#22:Industrial chemistry introduction 22.4 pesticides 22.6 synthetic polymers(PVC and nylon) 22.8 Adhesives, Ex.	Ch 26 (Cont.) 26.7 Biotechnology & Healthcare 26.8 Scope & Importance of Biotechnology	Ch.#8 Object & classes Ex. Q/A	Revision Ch.r # 2 Ch.r # 3	Ch. #10 Pakistan & Saudi Arabia Back Ex.	UNIT:7 7.4 Essay Writing 7.5 Intonations	: انشاء پر دازی مضمون نویسی، آپ بیٹی - ے جان چیز کی	Revision Ch.8 Short and detail Q/A	Ch.r : 1,4 to 11 revision all short Q/A	سورة البقرة: ركوع 15 معروضی سوالات مختصر سوالات
14.02.2021 To 04.03.2021 Rehearsal Exam											
07.03.2021 To 01.04.2021 4 Weeks 4 X 5 = 20 Days	Revision	Revision	Revision	Revision	Revision	Revision	Revision	Revision	Revision	Revision	Revision
04.04.2021 To 15.04.2021 2 Weeks 2 X 5 = 10 Days	Board Papers Practice	Board Papers Practice	Board Papers Practice	Papers Practice	Board Papers Practice	Board Papers Practice	Board Papers Practice	Board Papers Practice	Board Papers Practice	Board Papers Practice	Board Papers Practice