

GOVERNMENT OF SINDH SCHOOL EDUCATION & LITERACY DEPARTMENT

Karachi, dated, the 196ctober, 2020

NOTIFICATION

NO.SO(CURRICULUM)SELD/CONDENSE-SYLLABUS /2020 : In compliance with the decision of Sindh Curriculum Council and with the approval of Competent Authority i.e Minister for Education & Literacy Department, Government of Sindh the reduced syllabus for HSC Grades XI-XII is hereby notified for the academic year 2020-2021, jointly designed by the Directorate of Curriculum, Assessment & Research (DCAR) Sindh, Directorates of School Education and Boards of Intermediate and Secondary Education under the supervision and guidance of the working group on condensed syllabus:

- I. The condense syllabus of HSC Part-I (grade-XI) (1- English, 2- Asan Urdu 3-Urdu Compulsory, 4- Islamiat, 5-Ethics 6- Biology, 7-Computer Science 8- Chemistry, 9- Mathematics and 10- Physics) annexed at Annexure-A-I to X.
- II. The condense syllabus of HSC Part-II (grade-XII) (1-English, 2- Sindhi Compulsory 3-Urdu Compulsory, 4-Pakistan Study 5-Biology 6-Computer Science 7- Chemistry 8- Mathematics and 9- Physics) annexed at Annexure-B-I to IX.
- III. The Annual Examination of HSC Part-I&II, 2021 of the boards will be conducted from reduced syllabus vide Annexure-A- I to X for HSC Part-I and Annexure-B-I to IX for HSC Part-II.

AHMED BAKHSH NAREJO SECRETARY TO GOVT. OF SINDH

NO.SO(CURRICULUM)SELD/CONDENSE-SYLLABUS /2020: Karachi, the dated October, 2020 A Copy is forwarded for information to:

- 1. The Principal Secretary to Governor, Sindh Karachi
- 2. The Principal Secretary to Chief Minister, Sindh Karachi.
- 3. The Secretary, College Education Department Government of Sindh.
- 4. The Secretary, Universities &Boards Department Government of Sindh.
- 5. The Special/Additional Secretary (All) School Education & Literacy, Department, Govt. of Sindh.
- 6. The Deputy Secretary (Staff) to Chief Secretary, Sindh, Karachi.
- 7. The Director General Colleges, Sindh, Karachi.
- 8. Members (All) Steering Committee on Education.
- 9. The Chairmen (All) Board of Intermediate & Secondary Education with the request for strict implementation.
- 10. The Director General Inspection & Registration of Private Educational Institutions, Sindh, Karachi with the direction to circulate and ensure strict implementation in the institutions.
- 11. The Director School Education (P/ES&HS) all, with the direction to circulate and ensure strict implementation in the Schools.
- 12. The Director, Curriculum, Assessment & Research, Jamshoro.
- 13. The Additional Director, Teachers Training Institutions, Sindh, Hyderabad.
- 14. The PS to Minister for Education & Literacy, Sindh.
- 15. The PS to Secretary School Education & Literacy Department Government of Sindh.
- 16. The Website.
- 17. The Office file



SECTION OFFICE (CURRICULUM)



HSC PART-I GRADE - XI

CONDENSED COURSE OF ACADEMIC YEAR 2020-21

ANNEXURE-A-I

ENGLISH-XI

Lesson No.	Lesson Name
READING TEXT # 01	Pakistan Zindabad
READING TEXT # 02	Birkenhead Drill
READING TEXT # 03	The United Nations
READING TEXT # 04	My Bank Account
READING TEXT # 08	The Wolves of Cernogratz
READING TEXT # 10	The English Language
READING TEXT # 12	Science and Society
Selections from English Vo	erse (Part-I)
Poem # 1	Under the Green Wood Tree
Poem # 2	Character of Happy Life
Poem # 05	Lucy Gray
Poem # 7	Abou Ben Adhem
Poem # 10	The Toys
Poem # 11	I have Reached Your Doorsteps
Drama/ Play	
"THE COUNT'S	Introduction of Play "THE COUNT'S REVENGE"
REVENGE"	
"THE COUNT'S	Characterization of the play
REVENGE"	
"THE COUNT'S	SCENE-1
REVENGE	
	SCENE-II
	SCENE-III
	The Story of play, Dueling
	Presentation/Dramatization





Guidelines for Effective Teaching:

- Adopt/implement flexible learning where learning choices may be offered to learners. (references of online resources, e-learning programs, media literature and telecommunication learning material etc.
- ➤ Home tasks may be assigned to engage students for practice.
- > The Condensed course content need to be well organized/ planned before conducting session/class.
- > Teaching & learning may be contextualized keeping in view the environment and resources.
- For development of Language skills especially in English student may be motivated to get assistance from parents, Siblings etc.
- Quick and constructive feedback may be provided to individual students on previous task to further enhance students' skills
- Development of Charts, individual classroom presentation, individual performances may be encouraged during the class.
- Frammar and language activities may be developed according to age and grade level of students. Grammar may be developed as per Board assessment.
- Activities/Exercises Questions at the end of unit may be used for assessing the students' progress according to condensed course during formative or summative assessment.
- A balanced test may be developed in accordance to target language.







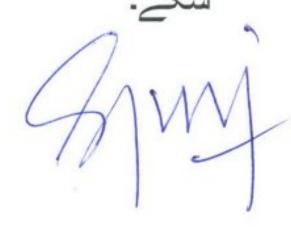
ASAN URDU - XI

ثمبر	عنوان / مضمون	مصنف	صفحہ
شمار		نمبر	نمبر
-1	حمد	ابو الاثر حفيظ جالندهرى	۵
	(نظم)		
٠٢.	نبی کریم صلی الله علیہ وآلم وسلم کی ہجرت	علامہ سید سلمان ندوی	700
-٣	حُبِ وطن	مولانا حالى	័19
	(نظم)		
-4	جیسی کرنی ویسی بهرنی	خواجہ حسن نظامی	19
۵.	ایران کا جاڑا	مولوی محد حسین آزاد ۲۳	7 4
-9	آدمی نامہ	نظیر اکبر آبادی	49
	(نظم)		
٠.٧	نصوح کا خواب	از: آغا محمد اشرف	4 9
-^	اسلامی حکومت کا امیر سب کا خادم ہوتا ہے	مؤلف	44
-9	آسمان اور تارے	مولوی محد اسمعیل میرشهی	٣٧
	(نظم)		
-1.	حج اکبر	منشی پریم چند	47
-11	رباعیات		۵۰
	(نظم)		
-17	طالب علموں کے نام سر سیّد کا ایک خط	سر سیّد احمد خان	90
-17	مردِ مجاہد	مولوی شفیع الدین نیر	91
	(نظم)		
-14	اُردُو کی آخری کتاب	پطرس بُخاری	V Y

جماعت وار تلخیصی کورس (نصاب اُردُو کے مطابق) آسان اُردُو برائے گیارہویں جماعت زبان شناسی / قواعد

- مرکب مصادر کو بطور فعل معاون سیکھ سکے ۔
- اصناف سنخن كى تعريف كر سكے اور ان ميں تميز كر سكے۔
 - علم بیاں بدیع کی مجوزہ صنعتوں کی تعریف کر سکے۔
- مثلاً مبالغم، تكرار، تضاد، تلميح، تعليل تشبيم و استعاره وغيره -
 - مرکب جملوں کا درست استعمال کر سکے۔ - نظم و نثر میں رموز اوقاف کا درست استعمال کر سکے ۔
 - كهانى ، انشائيم يا مضمون وغيره لكه سكے-
- اسكول يا اس سے باہر كسى رسالے، اخبار اور ويب سانٹ وغيره ميں اپنے پسنديده اسلوب ميں تحرير پيش كر







URDU (COMPULSORY) GRADE XI

ا مضامین: رسم و رواج کی از: سر سید احمد خان از: سرم و رواج کی نقصانات سیج اور جُهوت کا کارزم نامم از: مولانا مجد حسین آزاد خواجم حسن نظامی از: شهیل والا شهیزاده از: میان بشیر احمد الله تشمیل پاکستان از: ثبتی نذیر احمد دبلوی از: شهیل یاکستان از: ثبتی نذیر احمد دبلوی از: شوکت تهانوی از منیل اور مین پطرس بخاری از شوکت تهانوی از میل سفر نامم میکسیکو سٹی اور از: بیگم اختر ریاض الدین ۱۷۷ مین اور از: بیگم اختر ریاض الدین ۱۷۷ مین خطوط آسدالله خان غالب از: نظیر اکبر آبادی از: مولانا ظفر علی خان ۱۱۸ میر تقی میر درد از: مولانا ظفر علی خان ۱۱۲ میر تقی میر درد مین از: نظیر اکبر آبادی از: نظیر اکبر آبادی از ایکس از نظیر اکبر آبادی از ایکس از نظیر اکبر آبادی از نظیمات نبوی صلی الله علیہ آلم و سلم از: مولانا الطاف حسین حآلی ۱۲۹ تعلیمات نبوی صلی الله علیہ آلم و سلم از: مولانا الطاف حسین حآلی ۱۲۹ روح آرضی آدم کا استقبال کرتی بیے از: علامہ مجد اقبال ۱۳۳	صفحہ نمبر	رست (حصّۂ نثر)	فہر	نمبر شمار
۱۰ سیج اور جُهوت کا کارزم نامم از: مولانا مجد حسین آزاد ۱۹ ۲۰ شهیانے والا شبزاده از: میاں بشیر احمد ۲۰ ناول ماما عظمت از: ثپتی نذیر احمد دبلوی ۲۰ طنز و مزاح بانیسکل کی تعلیم از: ثپتی نذیر احمد دبلوی ۲۰ میبل اور میں پطرس بخاری ۲۰ میبل اور میں پطرس بخاری ۲۰ میکسیکو سٹی اور از: بیگم اختر ریاض الدین ۲۷ ۲۰ خطوط آسدالله خان غالب ۱۱۰ ۲۰ خصہ نظم حمد باری تعالیٰ از: نظیر اکبر آبادی ۲۰ نعت رسول صلی الله علیہ و از: مولانا ظفرَ علی خان ۱۱۴ ۲۰ غزلیات خواجہ میر درد ۲۰ میر تقی میر ۲۰ فیض احمد فیض ۲۰ فیض احمد فیض ۲۰ فیض احمد فیض ۲۰ نظیر اکبر آبادی ۲۰ نظیمات نبوی صلی الله علیہ آلم و سلم از: مولانا الطاف حسین حالی ۲۰ نرخ ارضی آدم کا استقبال کرتی ہے از: علامہ عجد اقبال آ	1	از: سر سید احمد خان		-1
ال التشكيل إلكستان از: ميان بشير احمد الوي التشكيل إلكستان از: أيثى نذير احمد دبلوي الوي ماما عظمت از: أيثى نذير احمد دبلوي الإسكال كي تعليم از: شوكت تهاتوي الإسكال كي تعليم از: شوكت تهاتوي الإسكال كي تعليم الإس بخاري المن الدّين الإسكال كي تعليم الإسلام الدّين الإسكان الدّين الإسكان الله خان غالب الله خان غالب الإسكان الله خان غالب الله و سلم الله عليم و از: مولانا ظفر على خان الله الله و سلم الله عليم و از: مولانا ظفر على خان الله الله خان غالب الله عليم و از: مولانا ظفر الله الله خان غالب الله عليم و از: مولانا ظفر الله الله خان غالب الله عليم و از: مؤلانا الله الله خان غالب الله عليم الله و سلم الله عليم الله الله الله عليم الله عليم الله عليم الله عليم الله عليم الله الله الله الله الله الله الله الل	19	از: مولانا محمد حسين آزاد		-4
انول ماما عظمت از: تْپِشْ نذیر احمد دبلوی ۱۰ طنز و مزاح بائیسکل کی تعلیم از: شوکت تهانوی ۱۰ میبل اور میں پطرس بُخاری ۱۰ سفر نامم میکسیکو سٹی اور از: بیگم اختر ریاض الدّین ۱۰ خطوط آسدالله خان غالب ۱۰ حصّہ نظیم حمد باری تعالیٰ از: نظیر اکبر آبادی ۱۱ تعت رسول صلی الله علیہ و از: مولانا ظفرَ علی خان ۱۱۰ غزلیات خواجہ میر درد ۱۱۰ میر تقی میر ۱۱۰ میر تا اسد الله خان غالب ۱۱۰ میر تا اسد الله خان غالب ۱۲۰ فیض احمد فیض ۱۲۰ فیض احمد فیض ۱۲۰ نظمیں برسات کی بہاریں از: نظیر اکبر آبادی ۱۲۰ تعلیمات نبوی صلی الله علیہ آلہ و سلم از: مولانا الطاف حسین حالی ۱۲۰ روح آرضی آدم کا استقبال کرتی ہے از: علامہ مجد اقبال شراح	7 7	از: خواجہ حسن نظامی	تهيلے والا شہزادہ	٠,٣
و. طنز و مزاح بانیسکل کی تعلیم از: شوکت تهانوی ۱۹ ۱۰ میبل اور میں پطرس بخاری ۱۰ میں میں ۱۰ خطوط اسدالله خان غالب از: نظیر اکبر آبادی ۱۱ حصّہ نظم حمد باری تعالیٰ از: نظیر اکبر آبادی ۱۱ نعت رسول صلی الله علیہ و از: مولانا ظفر علی خان ۱۱۲ ۱۱ غزلیات خواجہ میر درد ۱۱۶ ۱۲ میر تقی میر ۱۱۶ ۱۲ میر نقی میر ۱۲۰ ۱۲ میر نقی میر ۱۲۰ ۱۲ فیض احمد فیض ۱۲۰ ۱۲ فیض احمد فیض ۱۲۰ ۱۲ فیض احمد فیض ۱۲۰ ۱۲ نظمیں برسات کی بہاریں از: مولانا الطاف حسین حالی ۱۲ تعلیمات نبوی صلی الله علیہ آلہ و سلم از: مولانا الطاف حسین حالی ۱۳ تعلیمات نبوی صلی الله علیہ آلہ و سلم از: علامہ مجد اقبال روح آرضی آدم کا استقبال کرتی ہے از: علامہ مجد اقبال را الله اللہ اللہ اللہ اللہ اللہ اللہ الل	٣١	از: میال بشیر احمد	تشكيل ِ پاكستان	.4
۱۰ میبل اور میں پطرس بُخاری ۱۷ میبل اور میں سفر نامم میکسیکو سٹی اور از: بیگم اختر ریاض الدّین ۱۷۷ میں میں خطوط اَسدُالله خان غالب ۱۱۰ حصم نظم حمدِ باری تعالیٰ از: نظیر اکبر آبادی ۱۱۰ نعت رسول صلی الله علیہ و از: مولانا ظفر علی خان ۱۱۲ آلہ و سلم آلہ و سلم ۱۱۰ غزلیات خواجہ میر درد ۱۱۶ میر تقی میر ۱۱۶ مرزا اسد الله خان غالب ۱۱۶ مرزا اسد الله خان غالب ۱۲۰ فیض احمد فیض ۱۲۰ فیض احمد فیض ۱۲۶ فیض احمد فیض ۱۲۰ نظمیں برسات کی بہاریں از: نظیر اکبر آبادی ۱۲۹ ۱۲۹ تعلیمات نبوی صلی الله علیہ آلہ و سلم از: مولانا الطاف حسین حالی ۱۳۶ ۱۳۶ روح آرضی آدم کا استقبال کرتی ہے از: علامہ مجد اقبال آل	49	از: ڈپٹی نذیر احمد دہلوی	ناول ماما عظمت	۵.
الم الم الله الله الله الله الله الله ال	91	از: شوکت تهانوی	طنز و مِزاح بائیسکل کی تعلیم	.9
میں الم خطوط اسدالله خان غالب الم حصّہ نظم حمدِ باری تعالیٰ از: نظیر اکبر آبادی الم و سلم الم خواجہ میر درد الم و سلم الم خواجہ میر درد الم و سلم الم خواجہ میر درد الم و سلم الم فیض میر الم و سلم اللہ خان غالب الم فیض احمد فیض اللہ علیہ آلم و سلم از: نظیر اکبر آبادی الم اللہ علیہ آلم و سلم از: مولانا الطاف حسین حالی الم الم الم حسین حالی الم اللہ علیہ آلم و سلم از: علامہ مجد اقبال الم اللہ علیہ آلم و سلم از: علامہ مجد اقبال الم اللہ علیہ آلم و سلم از: علامہ مجد اقبال الم اللہ علیہ آلم و سلم از: علامہ مجد اقبال اللہ علیہ آلم و سلم از: علامہ مجد اقبال الم اللہ علیہ آلم و سلم از: علامہ مجد اقبال الم اللہ علیہ آلم و سلم از: علامہ مجد اقبال اللہ علیہ آلم کا استقبال کرتی ہے از: علامہ مجد اقبال اللہ علیہ آلم کا استقبال کرتی ہے از: علامہ مجد اقبال الم اللہ علیہ آلم کا استقبال کرتی ہے از: علامہ مجد اقبال الم اللہ علیہ اللہ اللہ اللہ اللہ اللہ اللہ اللہ ا	90	پطرس بُخاری	میبل اور میں	-٧
خطوط اسدالله خان غالب حصہ نظم حمدِ باری تعالیٰ از: نظیر اکبر آبادی نعت ِ رسول صلی الله علیہ و از: مولانا ظفرَ علی خان الم و سلم الله خان غالب الم الله خان غالب الله خان غالب الله خان غالب الله علیہ آلم و سلم از: نظیر اکبر آبادی الم الله علیہ آلم و سلم از: مولانا الطاف حسین حالی الم الله علیہ آلم و سلم از: علامہ مجد اقبال اللہ الله علیہ آلم و سلم از: علامہ مجد اقبال اللہ اللہ اللہ اللہ اللہ اللہ اللہ ا	Y Y	از: بيگم اختر رياض الدين		-^
۱۱۰ نعت رسول صلی الله علیہ و از: مولانا ظفر علی خان ۱۱۲ آلہ و سلم ۱۱۰ غزلیات خواجہ میر درد علی الله علیہ و از: مولانا ظفر علی خان ۱۱۴ ۱۱۶ غزلیات خواجہ میر درد ۱۲۰ میر تقی میر ۱۱۶ مرزا اسد الله خان غالب ۱۲۰ مرزا اسد الله خان غالب ۱۲۰ فیض احمد فیض ۱۲۹ فیض احمد فیض ۱۲۹ از: نظیر اکبر آبادی ۱۲۹ ۱۲۹ ۱۲۹ ۱۲۹ تعلیماتِ نبوی صلی الله علیہ آلہ و سلم از: مولانا الطاف حسین حالی ۱۳۳ ۱۳۶ روح اَرضی آدم کا استقبال کرتی ہے از: علامہ مجمد اقبال ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶	۸١			-9
آلہ و سلم ۱۱۰ غزلیات خواجہ میر درد ۱۱۰ میر تقی میر ۱۱۰ میر تقی میر ۱۱۰ مرزا اسد الله خان غالب ۱۲۰ فیض احمد فیض ۱۲۰ فیض احمد فیض ۱۲۰ فیض احمد فیض ۱۲۰ نظمیں برسات کی بہاریں از: نظیر اکبر آبادی ۱۲۰ تعلیماتِ نبوی صلی الله علیہ آلہ و سلم از: مولانا الطاف حسین حالی ۱۳۳ رُوحِ اَرضی آدم کا استقبال کرتی ہے از: علامہ محمد اقباک	11.	از: نظیر اکبر آبادی	حصّہ نظم حمدِ باری تعالیٰ	-1.
۱۱۰ میر تقی میر ۱۲۰ مرز اسد الله خان غالب ۱۲۰ فیض احمد فیض ۱۲۰ فیض احمد فیض ۱۲۰ نظمیں برسات کی بہاریں از: نظیر اکبر آبادی ۱۲۹ تعلیماتِ نبوی صلی الله علیہ آلہ و سلم از: مولانا الطاف حسین حالی ۱۳۳ رُوحِ اَرضی آدم کا استقبال کرتی ہے از: علامہ مجد اقبال آ	117	از: مولانا ظفر على خان		-11
 ۱۲۰ مرزا اسد الله خان غالب ۱۲۰ فیض احمد فیض احمد فیض از: نظیر اکبر آبادی از اسات کی بہاریں از: نظیر اکبر آبادی الله علیہ آلہ و سلم از: مولانا الطاف حسین حالی ۱۳۳ ۱۳۶ روح اَرضی آدم کا استقبال کرتی ہے از: علامہ مجمد اقبال ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶	114		غزلیات خواجہ میر درد	-17
174 فیض احمد فیض از: نظّیر اکبر آبادی ۱۲۹ ۱۲۹ نظمیں برسات کی بہاریں از: نظّیر اکبر آبادی ۱۲۹ ۱۳۳ ۱۳۳ ۱۳۳ ۱۳۳ ۱۳۳ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶ ۱۳۶	119		میر تقی میر	-17
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	1 44	از: مولانا الطاف حسين حاكى	تعلیماتِ نبوی صلی الله علیه آلم و سلم	-1 ٧
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	147	از: سید مجد جعفری	پُرانا کوٹ	-19

- زبان شناسی / قواعد:
- (1) اشتقاق، مشتقات، وصفی اور لغوی، مجازی معنی، سلینگ بول چال اور اصطلاحی معنوں کے حوالے سے لُغت کا استعمال
 - (3) متعلق فعل (Model Verb) كى
- (2) مرکب مصادر کو بطور معاون افعال استعمال کرنا تعریف و استعمال سے آگاہی

- (6) درخواست/
- (5) روداد/مكالمه
- (4) اصناف سخن کی تعریف اور پہچان خط (7) تلخیص



Ship with



ISLAMIAT-XI

CONDENSED CONTENT	CHAPTER
1. الله تعالى پر ايمان	باب اول
2. رسالت (انبياء كي خصوصيات رسالت محدي خاتم النبيين صلى الله عليه وعلى	بنیادی عقائد۔
آلہ واصحابہ وسلم اور اس کی خصوصیات)	
3. اخرت	
1. نماز	باب دوم
2. روزه	اسلامي تشخص
3. الله تعالى اور رسول حضرت محمد رسول الله خاتم النبيين صلى الله عليه	
وعلى آلم واصحابهوسلم كي محبت و اطاعت	
4. حقوق العباد	
5. معاشرتی ذمے داریاں	
1. رحمة للعالمين	باب سوم
2. صبر و استقلال	اسوه حضرت محمد رسول الله
3. عفوو درگذر	خاتم النبيين صلى الله عليه
	وعلى آله واصحابهوسلم
1. تعارف قرآن مجید (فضائل قرآن مجید - وحی کیا ہے - نزول قرآن -قرآن	باب چہارم
مجید کی خوبیاں)	تعارف قرآن و حديث
2. حدیث اور سنت	
3. منتخب آیات (عربی متن بمع ترجمه و تشریح)	
4. منتخب احادیث (عربی متن بمع ترجمه و تشریح)	

ہدایات برائے اساتذہ (اسلامیات)

سبق پڑھانے سے پہلے سبق کا خلاصہ بیان کریں تاکہ سبق کے مقاصد کا حصول ممکن ہو۔

سبق پڑھاتے ہوئے، الکلمات والتراکیب ، کا ترجمہ اور تشریح ضرور کرے۔

• استاد صاحب قرآنی آیات کا ترجمہ پہلے خود کرے۔ پھر مختلف طلبہ سے باری باری ترجمہ کروایا جائے .

ہ ہر پیراگراف کا مفہوم مختلف طلبہ سے زبانی پوچھا جائے۔ تاکہ طلبہ کو پورا سبق ذہن نشیں ہوجائے اور وہ مشق از خود حل کرسکیں۔

تحقیق کی سرگرمی کے ذریعے سے طلبہ میں تلاش و جستجو کی عادت پیدا کرنے کی کوشش کرے۔

• تدریس کے دوران آسان سے مشکل اور معلوم سے نامعلوم کی طرف سفر کرنے کے اصول کو اپنایا جائے۔

دور آن تدریس تقریری طریقہ - ترجمے والا طریقہ - مباحثی طریقہ اور تفویضی طریقہ اختیار کیا جائے - نیز مزیدطریقہائے تدریس بھی استعمال کیے جاسکتے ہیں۔





ETHICS - XI-XII

Condensed Content		Chapter Theme
اخلاق جي وصف	+	باب پهريون:
اخلاق جو ڪار ج	•	اخلاق
اخلاقي حكم ۽ عالمگير اخلاقي قدر	•	
خدا جو وجود	*	باب بيو: اخلاق جا كجهه بنيادي مسئلا
اخلاقي قانون	•	باب نيون:
اخلاقي قدر		اخلاقي قانونَ، حق ۽ فرض
وچٹریون فضیلتون		باب چوتون:
فرض ۽ ذميواري		آزادي، اختيار ۽ ذميواري
سوسائتي	•	باب پنجون:
ارسطو	•	سوسائني، اخلاقي زندگي، اعليٰ آدرش
يهودي مذهب	•	باب چهون:
عيسائي مذهب	•	دنيا جي مذهبن جو اخلاقي فلسفو
ېڌ مت	•	
زرتشت مذهب	•	
هندو ذرم	•	
اسلام		
سک مذهب	•	

Guide line for teacher for effective teaching:

- 1. استاد كي گهرجي ته سبق پڙهائڻ يا تدريسي عمل كان پهرين سبق جو خلاصو بيان كري ته جيئن پڙهائڻ جو مقصد حاصل ٿي سگهي.
 - 2. سبق پڙهائڻ وقت شاگردن جو ڌيان عملي طور شامل هئڻ گهرجي
- سبق پڙ هائڻ وقت عملي سرگرمين جهڙو ڪ سوال ڪرڻ، يا تجسس ڀري ڄاڻ حاصل ڪرڻ جي جستجو ۽ عادت پيدا ڪرڻ لاءِ شاگرد کي همٿائڻ گهرجي.
 - 4. سبق جي تدريس کان پوءِ شاگردن کان سبق بابت سوال ڪرڻ گهرجن ته جيئن سبق جو مقصد درست انداز ۾ سمجهي سگهن.
 - 5. تدريس جو طريقو سولي كان سولو اختيار كيو وجي.
 - 6. پڙهائڻ ۽ سيکارڻ وقت عملي، بياني، بحث ۽ مباحثو ۽ تحريري وغيره طريقا استعمال ۾ آندا وڃن.



A) W



BIOLOGY-XI

Chapter/Theme	Topic(s)
1. The Biology	1. Biology and its some major fields
	2. Levels of Biological Organization
2. Biological Molecules	Relationship between structure and
	function of molecules
	2. Organic molecules
	3. Synthesis of large molecules by condensation
	4. Breaking of large molecules by hydrolysis
3. Enzymes	Enzymes and their Characteristics
	2. Factors affecting Enzymes activity
4. The Cell	Cell as basic unit of Life
	2. Cell Theory
	3. Eukaryotic Cell
	4. Cytoplasmic organelles &membrane system
5. Variety Of Life	Needs and Basis of Biological Classification
	2. Concept of Hierarchy
	3. Two Kingdom to Five Kingdom Systems
	4. Viruses (Discovery; Characteristics, Structure and
	classification)
	 Life cycle of Bacteriophage Animal Diseases
	6. Allinai Diseases
6. The Kingdom	Bacteria (Discovery, Structure,
Prokaryote	Nutrition, Respiration and Reproduction)
	Cyanobacteria (Nostoc structure, nutrition,
	reproduction and importance)
7. The Kingdom	Diversity among Protista
Protoctista	(Plant-like algae, Fungi-like Protoctista)
	2. Protozoa and its classification
8. The Kingdom Fungi	The body of fungus
	Classification of fungi with reference to structure,
	reproduction
	and importance)
9. The Kingdom Plantae	Classification of Plants
	2. Bryophytes (General characteristics; adaptations;
	life cycle and classes)
多	3. Tracheophytes 4. Major Grayna of Vaccular Blants
A PARTMENT	Major Groups of Vascular Plants Spermonside successful group of land plants
THE STATE OF THE S	5. Spermopsida successful group of land plants

10. The Kingdom Animalia	 Phylum Porifera (General Characteristics) Phylum Cnidaria (General Characteristics; Diploblastic organization; Polymorphism and classes) General Characteristics and classes Phylum Platyhelminthes Phylum Nemathelminthes Phylum Annelida Phylum Mollusca and classes Phylum Arthropoda Phylum Echinodermata Phylum Chordata (Basics Chordate
11.Bioenergetics	 Pisces, Amphibia, Reptilia, Aves and Mammalia Need of Energy and role of ATP as energy Photosynthesis (Raw material; product, process of photosynthesis) Cellular respiration Aerobic and anaerobic respiration
12. Nutrition	Autotrophic and Heterotrophic mode of Nutrition in Plants Holozoic nutrition Human Digestive System
13. Gaseous Exchange in Plants	Gaseous Exchange in plants Gaseous Exchange in animals Human respiratory system
14. Transport	 Transport in Plants (Uptake and transport of water and minerals) Ascent of sap Transpiration (process, types, stomata structure and opening and closing) Transport in Animals Circulatory system in man Human heart (Structure, Cardiac Cycle, heart beats) Blood vessels Lymphatics System Immune system

Guide Lines for teachers for effective teaching:

- 1. Locate, select, organize and present relevant information from variety of sources.
- 2. Try to develop relationship among the remaining topics.
- 3. Guide students to understand scientific concepts & Terminology.
- 4. Use different teaching strategies to cover given topics in limited time.
- 5. Ensure that the students understand the concept(s) and processes.
- 6. Use appropriate Tools and techniques for teaching in Biology.





COMPUTER SCIENCE - XI

Topics/ Sub Topic INTRODUCTION TO COMPUTER Introduction to Computer Generation of Computers Advantages and Disadvantages of Computer Types of Computers: According to Size, According to Function COMPUTER SYSTEM Hardware of Computer Input Devices (Keyboard, Mouse, Scanner, Mic) Output Devices (Monitor, Printer), Types of Printers, Types of Monitors, Plotters, Speakers) Computer Components: CPU, ALU, CU RAM and ROM (Its types) **NETWORKING** Internet 2. Intranet 3. Networking a. LAN b. WAN c. MAN 4. Topologies: Star, Ring, Bus **BOOLEAN ALGEBRA** Boolean Algebra Law of Boolean Algebra Truth Table Logical Gates COMPUTER SOFTWARE Computer Software Types of Software Data Management Software Language Translator Types of Application Software Types of General-Purpose Software Special Purpose Software DATA COMMUNICATION 1. Data Communication and its components

Signals:

- Digital - Analog

2. Modem (Its Function)

3. Types of Coding: o BCD **EBCDIC** o ASCII

DATA SECURITY

- 1. Virus
- 2. Firewall and Proxy
- 3. Emails

Guidelines: Teachers should also conduct practical about programming (using BASIC or C). However, Final Practical Examination may be taken from MS Word or MS Excel.





CHEMISTRY-XI

Chapter	TOPIC	
1. Intro	duction to Fundamental Concepts of Chemistry	
1.2	Significant figures	
1.5	Empirical Formula	
1.6	Molecular Formula	
1.8	Calculations Based on Chemical Equations	
2. The	Three states of Matter Gases, Liquid and Solids	
2.1	Kinetic Theory	
2.3	Gas Laws (general gas equation and their problems grham,s law	of diffusion)
2.7	Viscosity	
2.8	Surface Tension	
2.9	Vapour Pressure	
2.12	Types of Crystals	
2.13	Isomorphism	
2.14	Polymorphism	
3. The	Atomic Structure	
3.2	Crookes's Tube or Discharge Tube Experiments-Passage of Ele Low Pressure	ectricity Through Gases at
3.4	Radioactivity-Confirmation of Electrons and Protons	
2.5		
3.5	Chadwick Experiment-Discovery of Neutrons	
3.7		
	Chadwick Experiment-Discovery of Neutrons	
3.7	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy	
3.7	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra	WILLIDLICATION &
3.7 3.8 3.11	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory	NOV POUSATION & ARTMENT
3.7 3.8 3.11 3.12	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom	NDV PDUSATION & ARTMENT
3.7 3.8 3.11 3.12 3.13	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom Determination of Energy	NDV FDUSATION & ARTMENT
3.7 3.8 3.11 3.12 3.13 3.15	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom Determination of Energy Heisenberg's Uncertainty Principle	NOW EDUCATION & ARTMENT
3.7 3.8 3.11 3.12 3.13 3.15 3.16	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom Determination of Energy Heisenberg's Uncertainty Principle Energy Levels and Energy Sub-Levels	ARTMENT
3.7 3.8 3.11 3.12 3.13 3.15 3.16 3.17	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom Determination of Energy Heisenberg's Uncertainty Principle Energy Levels and Energy Sub-Levels Orbitals and Quantum Numbers	ARTMENT
3.7 3.8 3.11 3.12 3.13 3.15 3.16 3.17 3.18	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom Determination of Energy Heisenberg's Uncertainty Principle Energy Levels and Energy Sub-Levels Orbitals and Quantum Numbers Pauli's Exclusion Principle	ARTMENT
3.7 3.8 3.11 3.12 3.13 3.15 3.16 3.17 3.18 3.19 3.20	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom Determination of Energy Heisenberg's Uncertainty Principle Energy Levels and Energy Sub-Levels Orbitals and Quantum Numbers Pauli's Exclusion Principle Shapes of Orbitals	ARTMENT
3.7 3.8 3.11 3.12 3.13 3.15 3.16 3.17 3.18 3.19 3.20	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom Determination of Energy Heisenberg's Uncertainty Principle Energy Levels and Energy Sub-Levels Orbitals and Quantum Numbers Pauli's Exclusion Principle Shapes of Orbitals Electronic Configuration	ARTMENT
3.7 3.8 3.11 3.12 3.13 3.15 3.16 3.17 3.18 3.19 3.20 4. Chem	Chadwick Experiment-Discovery of Neutrons Planck's Quantum Theory-Quantization of Energy Spectra Bohr's Theory Bohr's Theory and Hydrogen Atom Determination of Energy Heisenberg's Uncertainty Principle Energy Levels and Energy Sub-Levels Orbitals and Quantum Numbers Pauli's Exclusion Principle Shapes of Orbitals Electronic Configuration	ANN PUSATION & ARTMENT

4.9	Hybridization		
4.10	Shape of Simple Molecules		
4	Hydrogen Bond		
5. Ene	rgetics of Chemical Reactions		
5.1	Thermodynamic Terms System; Surroundings and State		
5.2	First Law of Thermodynamic		
5.5	Hess's Law of Constant Heat Summation		
5.6	Heat of Formation		
6. Che	mical Equilibrium		
6.2	Equilibrium State		
6.3	The Law of Mass Action (Equilibrium Law)		
6.4	Determination of Equilibrium Constant		
6.5	Applications of The Law Equilibrium		
6.6	Factors Affecting Balance of Chemical Equilibrium (Le Chatelier's Principle)		
7. Solu	tions and Electrolytes		
7.2	Hydration		
7.3	Hydrolysis		
7.4	Theory of Ionization		
7.7	Oxidation Number (O.N)		
7.8	Oxidation and Reduction Reactions		
7.9	Balancing Oxidation-Reduction Equations (Ion-electron Method)		
7.10	Indicators		
8. Intr	oduction to Chemical Kinetics		
8.1	Rate and Velocity of Reaction		
8.5	Factors Affecting Rate of Reaction		





MATHEMATICS -XI

Chapters	Topics & Exercises		
Chapter-1: Sets	1.1 Revision		
•	1.2 A few definition		
	1.3 Operation on sets		
	1.4 Properties of operations on sets		
	1.5 Some important laws Exercise 1.1		
Chapter-2: Real and	2.5 The system of complex numbers		
Complex Number	2.6 Properties of complex numbers		
System	2.7 Definition of imaginary numbers		
	2.8 Conjugate of complex number		
	2.9 Modulus of complex number		
	2.10 The subtraction of complex number		
	2.11 The division of complex numbers Exercise 2.2		
	2.12 Geometrical representation of the complex number x + iy		
	as pair of real numbers (x, y)		
	2.13 The order relations		
	2.14 vector interpretation of complex numbers		
	2.15 The triangle inequality		
	2.16 Real and Imaginary parts of $(x + y)^n$ Exercise 2.3		
Chapter -3: Equation	3.5 The cube roots of unity		
	3.6 properties of the cube roots of unity Exercise 3.3		
	3.7 Equations reducible to the quadratic formExercise 3.4		
	3.8 The theory of quadratic equations		
	3.9 Nature of the roots of a quadratic equationExercise 3.5		
	3.10 Relations between the roots and the coefficients of a		
	quadratic equation		
	3.11 To form a quadratic equation when it roots are given		
	Exercise-3.6		
	3.13 system of two equations involving two variable		
	3.14 solution of different types of system of equationEx.3.8		
Chapter -6: Sequence	6.1 Introductions		
and Series	6.2 Arithmetic sequence and arithmetic progression (A.P)		
	6.3 Standard form of an A.P Exercise 6.1		
a particular and the second of the	6.4 Arithmetic series Exercise 6.2		
CINDUEDIKATION &	6.8 Geometric sequence or geometric progression (G.P)		
ARTMENT	6.9 Standard form of a G.P Exercise 6.4		
	6.10 Geometric series Exercise 6.5		
130.00	6.14 Harmonic sequence or harmonic progression (H.P)		
6.15 General term of an A.P			

	6.16 the characteristic relation for an H.P	
	6.17 An important theorem	
P	6.18 Harmonic mean	
	6.19 To insert	
	(i) a single Harmonic mean	
	(ii) n harmonic mean (n>1)	
	Between any two numbers a and b Exercise 6.8	
Chapter -7:	7.1 The counting principles	
Permutations,	7.2 the factorial notation	
combinations and	7.3 permutation and combination Exercise 7.1	
introduction to	7.4 Number of permutation	
probability	7.5 circular (or cyclic) permutation Exercise 7.2	
Probability	7.6 Number of combinations Exercise 7.3	
Chapter -8:	8.1The principal of mathematical induction Exercise 8.1	
Mathematical	8.3 Binomial theorem	
Induction and	8.4 The binomial theorem for a positiveIntegral index	
Bionomical Theorem	8.5Some important observation	
Dionomical Incorem	8.6 The general term	
	8.7 The middle terms Exercise 8.3	
Chapter -9:	9.1 introduction	
Fundamental of	9.2 Radian measure	
Trigonometry	9.3 General and its measure in degree and Radians	
Trigonometry	9.4 Relation between radians and degree measure	
	9.4 Relation between radians and degree measure 9.5 Relation between arc-length radius and general angle	Ev. 0.1
	9.8 values of trigonometric function Exercise 9.3	EX-9.1
Chanton 10.	10.2 The distance formula	
Chapter -10:	10.2 The distance formula 10.3 A fundamental Laws	
Trigonometric		
Identities	10.4 Deductions from the fundamental laws	
	10.5 The sum and difference identities	
	10.6 Applications Exercise 10.2	
	10.7 Identities for $\sin 2\theta \cos 2\theta$ and $\tan 2\theta$	
	10.8 Identities for $\sin \theta/2$, $\cos \theta/2$ and $\tan \theta/2$	
	100 Sum and product identities for tricen emetric function	
	10.9 Sum and product identities for trigonometric functio	ns
Chanton 12. Salution	10.10 Applications Exercise 10.3	ns
Chapter -12: Solution	10.10 Applications Exercise 10.3 12.1 The laws of Sines	ns
Chapter -12: Solution of Triangles	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines	ns
•	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines 12.3 The Law of tangent	ns
•	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines 12.3 The Law of tangent 12.4 Solution of triangles Exercise 12.2	ns
•	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines 12.3 The Law of tangent 12.4 Solution of triangles Exercise 12.2 12.5 Half angle formulas of the lengths of the sides of a	ns
•	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines 12.3 The Law of tangent 12.4 Solution of triangles Exercise 12.2 12.5 Half angle formulas of the lengths of the sides of a triangles Exercise 12.3	ns
of Triangles	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines 12.3 The Law of tangent 12.4 Solution of triangles Exercise 12.2 12.5 Half angle formulas of the lengths of the sides of a triangles Exercise 12.3 12.6 Area of triangle Exercise 12.4	
of Triangles Chapter -13: Inverse	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines 12.3 The Law of tangent 12.4 Solution of triangles Exercise 12.2 12.5 Half angle formulas of the lengths of the sides of a triangles Exercise 12.3	
Of Triangles Chapter -13: Inverse trigonometric	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines 12.3 The Law of tangent 12.4 Solution of triangles Exercise 12.2 12.5 Half angle formulas of the lengths of the sides of a triangles Exercise 12.3 12.6 Area of triangle Exercise 12.4	
of Triangles Chapter -13: Inverse	10.10 Applications Exercise 10.3 12.1 The laws of Sines 12.2 The Law of Cosines 12.3 The Law of tangent 12.4 Solution of triangles Exercise 12.2 12.5 Half angle formulas of the lengths of the sides of a triangles Exercise 12.3 12.6 Area of triangle Exercise 12.4	

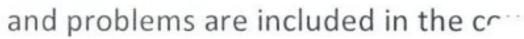




PHYSICS - XI

Chapter Name	Topics
1.The Scope of Physics	 Definition of Physics Measurement & system of units Dimensions
2.Scalars & vectors	 scalars & vectors multiplication/division of a vector by a number Types of vectors (unit, free, position, null) The DOT product Cross Product
3.Motion	 Motion of a body connected by string (both cases) law of conservation of momentum Friction 4. Inclined Plane
4.Motion in two dimensions	1- Projectile motion 2- Maximum height of projectile 3-Range of projectile 4- Uniform circular motion 5- Angular displacement 6- Angular velocity 7- Angular acceleration 8- Centripetal acceleration 9- Centripetal force
5.Torque, Angular momentum & Equilibrium	 Torque Equilibrium & its conditions Angular momentum
6.Gravitation	 Newtons law of universal Gravitation Mass & average density of Earth Variation of 'g' with depth
7. Work, Power & Energy	 Power Interconversion of P.E & K.E(Work- Energy equation)
8. Wave, motion & Sound	1- Simple harmonic motion 2- Simple pendulum 3- Speed of sound waves 4- Characteristics of musical sound 5- Doppler effect
9.Nature of light	 1- Young's double slit experiment 2- Michelson's interferometer 3- Diffraction grating 4- Diffraction of X-ray through crystals
10. Geometrical optics	 Lenses Image formation Thin lens formula Linear magnification Compound microscope Astronomical telescope

GUIDELINE FOR TEACHER FOR EFFECTIVE TEACHING: The above enlisted topics their relevant practical work







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Karachi, the dated October, 2020

ENGLISH GRADE XII

	ENGLISH GRADE	All
Lesson No.	Lesson Name	
Reading Texts		
READING TEXT # 01	Twenty Minutes with Mrs. Oakentubb	
READING TEXT # 02	Reflection on the Re-Awakening East	
READING TEXT # 04	Pakistan and the Modern World	
READING TEXT # 06	The World as I see It	
READING TEXT # 07	The Devoted Friend	
Selections from English	Verse (Part-II)	
Poem # 01	The Seven Ages of Man	
Poem # 03	Lines from Samson Agonistes	
Poem # 06	The Solitary Reaper	
Poem #07	Music When Soft Voices Die	
Poem # 09	Say not the Struggle Naught Availeth	华交。
Poem # 11	The Lost Star	A TON &
Novel		PARTMENT
Chapter # 1-22	The Prisoner of Zenda	12 8: 30
Grammar & Composit	ion	
	Summarizing the passages	
	Précis and Translation	
Letter Writing	Composition	
Article writing	Composition	
Essay Writing	Composition	

Guidelines for Effective Teaching:

- Adopt/implement flexible learning where learning choices may be offered to learners. (references of online resources, e-learning programs, media literature and telecommunication learning material etc.
- > Home tasks may be assigned to engage students for practice.
- The Condensed course content need to be well organized/ planned before conducting session/class.
- > Teaching & learning may be contextualized keeping in view the environment and resources.
- For development of Language skills especially in English student may be motivated to get assistance from parents, Siblings etc.
- Quick and constructive feedback may be provided to individual students on previous task to further enhance students' skills
- > Development of Charts, individual classroom presentation, individual performances may be encouraged during the class.
- > Grammar and language activities may be developed according to age and grade level of students. Grammar may be developed as per Board assessment.
- Activities/Exercises Questions at the end of unit may be used for assessing the students' progress according to condensed course during formative or summative assessment.
- > A balanced test may be developed in accordance to target Language.

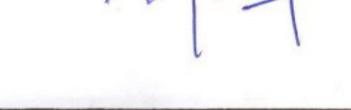
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NO.SO(CURRICULUM)SELD/CONDENSE-SYLLABUS /2020 GOVERNMENT OF SINDH SCHOOL EDUCATION & LITERACY DEPARTMENT Karachi, the dated October, 2020 SINDHI (COMPULSORY) GRADE XII

SIND	III (COMI OLSORI) GRADE AII
مضمون/نظم نمبر	عنوان
1	قومي جذبو ۽ قومي اخلاق
2	بولي ۽ ان جون ادبي خوبيون
1(中)	شاهه کریم " (بیت)
_	ادبي تاريخ (سومرن جو دور)
3	شاهه جو شعر ۽ شاعري
2 (-)	شاهه عبدالطيف ڀٽائي شُسُر يمن ڪلياڻ
2 (-)	شاهه عبدالطيف ڀٽائي سُر کنڀات)
5	علم ادب جي ترقي جا طريقا
(ب) 3	حضرت خواجه محمد الزمان " (بیت)
_	ڳالهائڻ جا لفظ
-	ڳالهائڻ جا لفظ
4	پاڪستاني قوميت جو مقصد
4 (-)	سچل سرمست (سُر سسئي)
-	ڳالهائڻ جا لفظ ۽ قسم
-	مضمون نویسي
-	اشتقاق، اصطلاح ۽ بيهڪ جون نشانيون
10	دنيا جو وڏي ۾ وڏو شاعر -شاهه عبدالطيف ڀٽائي "
(ب)	حمل فقير
-	پهاڪا، چوڻيون ۽ انهن جو درست استعمال
	تشبیهه، محاورو، تجنیس، استعارو
ENT11	مصطفى جي الوداعي نصيحت
6,8 (中)	خليف و گُل محمد ه ڪ غزل (آئـــي رت سانوڻ جـــي) ۽ مير
	عبدالحسين سانگي (غزل)
	سنڌي ادب: (کلهوڙا دور)
_	زمان ۽ انهن جا قسم
	سنڌي ٻوليءَ ۾ ناول نويسي.
13	عام سنڌي شاعري
(ب) 9،15	مرزا قليچ بيگ هڪ غزل (چڱائي ۽ انصاف) ۽
	حڪيم نياز همايوني (وطن جو ترانو)
-	سنڌي ادب: (ٽالپرن جو دور)
-	جهان آرا ناول
-	جهان آرا ناول

استادن لاءِ هدايت: استاد تجويز كيل كورس كي پڙهائي, جائزو به وٺندو رهي ته جيئن بهتر نتيجا حاصل كري سگهجن. استاد ٻار كي گهرو كم پڻ ڏئي ،جيئن شاگرد پنهنجي صلاحيتن كي اجاگر كري سگهن. تجويز كيل نثر، نظم ۽ گرامر مان امتحان ورتو وڃي. خاص طور تي كجه نظمن جا شعر وقت جي گهنتائي شبب گهٽ كيا ويا آهن، امتحان لاءِ تجويز كيل شعرن مانئي چونڊ كئي وڃي.





URDU (COMPULSORY) GRADE XII

صفحہ	(حصّهٔ نثر) مضامین	فہرست	نمبر
نمبر			شمار
1	از: سر سید احمد خان	رسم و رواج کی پابندی کے نقصانات	-1
19	از: مولانا محمد حسين آزاد	سے اور جُھوٹ کا کارزم نامہ	- ٢
7 7	از: خواجہ حسن نظامی	تهيلے والا شہزادہ	-٣
٣١	از: میان بشیر احمد	تشكيل ِ پاكستان	.4
49	از: ڈپٹی نذیر احمد دہلوی	ناول :ماما عظمت	-0
91	از: شوکت تهانوی	بائیسکل کی تعلیم (طنز و مزاح)	-9
90	بطرس بُخارى	میبل اور میں	
V V	أز: بيكم اختر رياض الدين	(سفرنامہ) میکسیکو	-^
		سٹی اور میں	
۸۱		(خطوط) اسدالله خان غالب	-٩
		حصّہ نظم	
11.	از: نظیر اکبر آبادی	حمدِ باری تعالیٰ	٠١.
117	از: مولانا ظفر على خان	نعت رسول صلى الله عليه و آلم و	-11
		سلم	
		غزليات	
114		خواجہ میر درد	-17
119		میر تقی میر	-17
17.		مرزا اسد الله خان غالب	-14
174		فیض احمد فیض	-10
	نظمیں		
179	از: نظیر اکبر آبادی	برسات کی بہاریں	-19
1 44	از: مولانا الطاف حسين حاكى	تعلیماتِ نبوی صلی الله علیہ آلم و	-17
		سلم	
189	از: علامہ محمد اقبال "	رُوح اَرضی آدم کا استقبال کرتی ہے	-1 /
147	از: سید محد جعفری	يُرانا كوتُ	-19

زبان شناسی / قواعد: (1) اشتقاق، مشتقات، وصفی اور لغوی، مجازی معنی، سلینگ بول چال اور اصطلاحی معنوں کے حوالے سے لُغت کا استعمال

(3) متعلق فعل (Model Verb) كى تعريف و

(2) مرکب مصادر کو بطور معاون افعال استعمال کرنا استعمال سے آگاہی

(6) درخواست/خط

(5) روداد/مكالمه

(4) اصناف سخن کی تعریف اور پہچان

(7) تلخيص





PAKISTAN STUDIES - XII

	PAKISTAN STUDIES – XII
Chapters	Topic / Sub Topics
The Establishment of	Conditions of South Asia before the Advent of Islam
Pakistan	Impact of Islam on the South-Asian Society
	Civilizational Influence
	Pakistan: A Step towards the Establishment of an Islamic Society
	The Ideology of Pakistan
	Quaid-i-Azam and the Ideology of Pakistan
	The Struggle for Independence in the Provinces
	Foundation of Muslim League its Aims and Objects
	The Lucknow Pact of 1916
	The Khilafat Movement
	Fourteen Points
	Allahabad Address
	The Mass Movement of Muslim League and Establishment of Pakistan: The Pakistan Resolution of 1940
	Cripps Proposals of 1942
	Shimla Conference and Elections
	Interim Government
	Arrival of Mountbatten and the Partition of Sub-continent
History of Pakistan	The Salient Features of the Indian-Independence Act 1947
	Radcliffe Award and the Injustice to the Muslim.
	Initial Problems of Pakistan
	Foreign Policy Strategy
Establishment of an Islamic Democratic State	Objectives Resolution
Democratic State	The Martial Law of 1958
	Martial Law of 1969
SINDILEDUCATION &	The 1973 Constitution
AKTIVIENT	The Pakistan National Alliance (PNA) Movement of 1977
	The 1977 Martial Law

	Elections of 1985and the lifting of Martial Law
	The Election of 1988
The Land of Pakistan	Location of Pakistan
	The Importance of its Location
	Physical Features and Landscape of Pakistan
	The Salt Range and Potohar Plateau
	The Upper Indus plain
	The Lower Indus Plain
	The Baluchistan Plateau
	The Climate of Pakistan
	The Salt Range and the Potohar Plateau
	District Local Government System-2001
	District Council
	Metropolitan corporation
	Municipal Corporation
	Municipal Committee
	Divisional System
	Judicial System
The Culture of Pakistan	The Cultural Heritage of Pakistan
	Salient Features of Pakistani Culture
	The Religious Unity and Solidarity
	Mix of our Culture
	The Man-Woman Status
	Social Mode of Life
	Dress
	Food
	Games, Sports, Entertainments and Fairs
	Marriage Ceremony
Languages of Pakistan	Urdu
	Pastho
	Sindhi
	Punjabi
	Balochi
	Kashmiri
Economic Planning and	Agriculture:
Development	Rural Development
	Water and Electricity



	Energy
	Education
	Health
	Industry
	Import Policy
	Exports
	The Eight Development Plan
Pakistan and the Comity of	The United Nations (UN)
Nation	Organization of Islamic Conference (OIC)
	Economics Cooperation organization (ECO)
Fundamental Rights Protected under the 1973	Introduction
Constitution of Pakistan	What is State?
	Elements of State
	Population:
	Territory:
	Government:
	Sovereignty:
	Duties/ Responsibilities of State
	Concept of Fundamental Rights
	Fundamental Rights of Citizens Under 1973 Constitution
	Article.9: "Security of Person"
	Article.10: Safeguards as to arrest and detention and Security of Person
	Article. 11: Slavery, forced labour, etc. Prohibited
	Article. 12: Protection against Retrospective Punishment
	Article. 13: Protection against Double Punishment and Self-Incrimination
	Article. 14: Inviolability of Dignity of Man etc.
	Article. 15: Freedom of Movement etc.
	Article. 16: Freedom of Assembly
	Article. 17: Freedom of Association
	Article. 18: Freedom of trade; business or profession
	Article. 19: Freedom of Speech and Expression
COMPANIENT CATION &	Article. 19: A: Right to Information
A CONTRACTOR OF THE PARTY OF TH	Article. 20: Freedom to profess and to manage religious institutions-subject to law, public order and morality
	Article. 21: Safeguard against Taxation for purpose of any particular religion
	Article. 22: Safeguards as to Educational institutions in respect of religion etc.

	Article. 23: Provision as to Property
	Article. 24: Protection of Property Rights
	Article. 25: Equality of Citizens
	Article. 25: A: Right to Education
	Article. 26: Non-Discrimination in Respect of Access to Public Places
	Article. 27: Safeguard against Non-Discrimination in Service
	Article. 28: Preservation of Language, Script and Culture
	Role of Judiciary in Protection of Fundamental Rights
	Importance of Fundamental Rights
Violation of Rights and Redressal of Grievances	Role of Judiciary in Safeguarding Fundamental Rights of Citizen
	Ministry of Human Rights, Government of Pakistan
	Role of Human Rights Department, Government of Sindh in Protection of Rights of Citizens
	Ombudsman in Pakistan
	Female Ombudsperson
	Powers and Functions of Ombudsman

Guidelines for Effective Teaching:

- Adopt/implement flexible learning where learning choices may be offered to learners. (references of online resources, e-learning programs, media literature and telecommunication learning materialetc.
- > Home tasks may be assigned to engage students forpractice.
- ➤ The Condensed course content need to be well organized/ planned before conducting session/class.
- > Teaching & learning may be contextualized keeping in view the environment and resources.
- Quick and constructive feedback may be provided to individual students on previous task to further enhance students'skills
- Development of Charts, individual classroom presentation, individual performances may be encouraged during theclass.
- Activities/ Exercise Questions at the end of unit may be used for assessing the students' progress according to condensed course during formative or summativeassessment.
- > During class inquiry-based approach may be adopted.
- local and International examples may be provided to the students through demonstration and Videos.





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Karachi, the dated October, 2020

BIOLOGY - XII

	DIOLOGI - AII
Chapter/Theme	Topic(s)
	1. Homeostasis
4 TT	2. Osmoregulation in Plants and animals
1. Homeostasis	3. Excretion in man
	4. Kidney Problems
	5. Thermoregulation in plants and mammals (man)
2. Support and Movement	1. Support in plants
	2. Movements in plants
	3. Skeletal system in animals
	4. Muscle and its types
	5. Locomotion in animals
	Introduction Control in Plants
2 0 11 11	2. Coordination & Control in Animals Nervous
3. Coordination and	Coordination
Control	3. Reflex action
	4. Human nervous system
	5. Chemical Coordination
	6. Endocrine system in mammals
4. Reproduction	Asexual and Sexual reproduction in plants
	2. Pollination, double fertilization
	3. Types of germination
	4. Asexual and Sexual reproduction in animals
	5. Female reproductive Cycle.
5. Growth and	1. Growth and Development in Plants
Development	2. Growth and Development in Animals.
6. Chromosomes & DNA	1. Types of chromosomes
	2. Chemical composition of chromosomes
	3. Brief reference to DNA structure
	4. Cells use RNA to make proteins
	5. Mutation
7. Cell Cycle	1. Amitosis
	2. Mitosis
	3. Meiosis
8. Variation and Genetics	1. Review of Mendel's Laws of inheritance
	2. Sex determination and sex linkage in Drosophila
	and man
9. Biotechnology	1. Genetic Engineering
	2. Tissue culture
	3. Role of Biotechnology in the diagnosis of diseases
10. Evolution	Inheritance of Acquired Characters
10. Evolution	2. Theory of Natural Selection (



SAWA

	 Artificial selection and its role Endanger species
11. Ecosystem	1. The Ecosystem
12. Some Major Ecosystems	 Life in fresh and marine water Terrestrial Ecosystem
13. Man, and his Environment	 Renewable and non-renewable resources Pollution (Air, Water, Land, wild life, food.

Guide Lines for teachers for effective teaching:

- 1. Locate, select, organize and present relevant information from variety of sources.
- 2. Try to develop relationship among the remaining topics.
- 3. Guide students to understand scientific concepts & Terminology.
- 4. Use different teaching strategies to cover given topics in limited time.
- 5. Ensure that the students understand the concept(s) and processes.
- 6. Use appropriate Tools and techniques for teaching in Biology.





COMPUTER SCIENCE - XII

S#	Topics/ Sub Topic	
1	1.	Using IDE
	2.	Writing a C program
	3.	C Program format and Basic Structure.
	4.	Compile, check errors, Run and see result.
	5.	Use printf() function and "Format Specifiers"
2	1.	Variables (Types, Defining and declaring, initializing), Constants
	2.	Input/Output (printf(), scanf(), getche(),Format specifiers, Escape
		sequences)
	3.	Operators (Arithmetic operator (+, -, *, /, %), Arithmetic assignment operator
		(+=, -=, *=, /=, %=), (increment and decrement operators ++,), (Relational
		operators (<,<=,>,>=,==,!=), operators precedence
	4.	Comments /* */
3	1.	Loops ("for" loop, "while" loop, "do while" loop, nested loops.
	2.	"break" and "continue" statements.
4	1.	"if" statement
	2.	"if-else" statement
	3.	Nested "if" and "else"
	4.	Logical operators OR () AND (&&) NOT (!)
	5.	Switch statement ("default" and "break")
5	1.	Function (define and need), structure or format of functions (Function
		definition, calling, prototype or declaration).
	2.	Sending and returning values from functions, return statement.
	3.	Passing variables and constants as arguments.
	4.	Argument variables (parameters), local (automatic) and global (external)
		variables.
6	1.	Arrays, defining and initializing arrays.
	2.	Referring to individual elements of an array
	3.	Strings definition (string constants and variables), initializing strings.
	4.	String functions

These topics have been taken from the book 'The Waite Group's Turbo C Programming for the PC' by Robert Lafore, according to the Syllabus outline of BISE.





CHEMISTRY - XII

Chapter	TOPIC
	duction to Fundamental Concepts of Chemistry
1.6	Modern Periodic Law-Periodic Table Based on Moseley's contribution
1.7	Classification and Long form of Periodic Table on the basis of Electronic configuration
1.8	Types of elements based on Electronic configuration
2. Hydr	
2.2	Position of hydrogen in the Periodic table
2.4	Atomic Hydrogen
2.5	Binary Compounds of Hydrogen
3. S-Blo	ck Elements
3.1	Introduction
3.2	Group trends in alkali and alkaline earth metals
3.3	Chemical properties of S-blocks elements
3.4	Occurrence and Extraction of Metals
4. P-Blo	ck Elements
4.1	Introduction
4.3	Metallurgy of Metals
4.6	Nitric Acid (HNO ₃)
4.10	Chlorine
5. d- Blo	ck Elements (Transition Elements)
5.1	Introduction
5.3	Generals Characteristics
5.6	Copper Sulphate (CuSO ₄ 5H ₂ O)
5.7	Potassium Chromate (K ₂ CrO ₄)
5.10	Corrosion and its prevention
6. Intro	luction to Organic Chemistry
6.1	Natural sources of organic compounds
6.4	Polymerization
6.5	Classification of organic compounds or Types of organic compounds
6.6	Homologous series
6.7	Isomerism
6.8	Nomenclature
7. Chem	istry of Hydrocarbons
7.1	Open chain and closed chain hydrocarbons
7.3	Chemistry of Ethane
7.4	Chemistry of Ethene
7.5	Chemistry of Ethyne
7.6	Benzene
7.7	The Molecular orbital treatment of Benzene
	ARTMENT -



8.1	Halides Classification of alkyl Halides
2.2	Nomenclature
8.4	Mechanism of Nucleophilic substitution Reactions
9. Carb	on Compounds with Oxygen Containing Functional Group
9.1	Alcohols
9.4	Aldehydes and Ketones
10. Che	mistry of Life
10.1	Definition and Introduction
10.3	Carbohydrates
10.4	Amino acids
10.7	Enzymes
11. Che	mical Industries in Pakistan
11.1	Fertilizers
11.3	Glass
11.5	Plastics

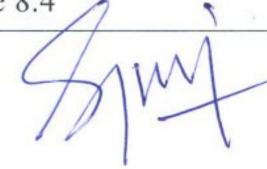




MATHEMATICS - XII

Chapter	Topics & Exercises	
Chapter -1: Function	1.25 Meaning of the phrase "x tends to a"	
and Limits	1.6 Limit of function Exercise 1.6	
	1.27 Limit as x tends to ±∞ Exercise 1.7	
Chapter -2: The Straight	2.1 Cartesian coordinates system	
Line	2.2 Distance between two given points Exercise 2.1	
	2.1 Division of a given line segment in a given ratio Exercise 2.2	
	2.5 Curves and equations 2.6 Slope (or gradient) of a line	
	2.7 Slope of a line joining two given points	
	2.8 Condition for three points to be collinear	
	2.9 Parallel perpendicular lines	
	2.10 Angle from one line to another in the slope Exercise 2.4	
	2.11 Lines parallel to the axes of coordinates various form of an equation of a	
	line from another	
	2.12 Various forms of equation of straight line	
	2.13 Deduction of one form of an equation of a line from another Exercise 2.5	
Chapter -3:	3.1 The general linear equation	
The General Equation of	3.2 Angle between two lines from l ₂ to l ₁ in the general form	
straight line	3.3 point of intersection of two straight lines	
	3.4 Concurrency of three lines 3.5 Equation of lines in the matrix form	
	3.6 Lines through the intersection of two given lines Exercise 3.1	
	3.7 Position of a point with respect to a given straight line	
	3.8 Distance of a point from a line 3.9 Area of triangle, Exercise 3.2	
Chapter -4:	4.1 Derivatives of a function at a point Exercise 4.1	
Differentiability	4.2 Composite function Exercise 4.2	
	4.3 Implicit function Exercise 4.3	
	4.4 Paramedic function	
	4.5 Higher derivative Exercise 4.4	
Chapter -5:	5.4 Increasing and decreasing function	
Application of	Exercise 5.3	
Differential calculus		
Chapter -6	6.1 Antiderivatives or Integration Exercise 6.1, 6.2	
Antiderivatives	6.2 Integration by substitution Exercise 6.3, 6.5	
	6.4 Integration by parts Exercise 6.7	
	6. 6 Integration of rational functions Exercise 6.9	
Chapter -7: Circle	7.1 Introduction 7.2 Equation of circle	
	7.3 Equation of circle with line segment and its diameter Exercise 7.1	
Chapter -8: Parabola	8.5 Equation of chords	
Ellipse & Hyperbola	8.6 Equation of Tangents and normal to conics	
	8.7 two tangent and condition of tendency to conics Exercise 8.4	
	The tangent and condition of tendency to comes Exercise 6.1	





Chapter -9: Vectors	9.9 The scalar and vector products of two	vectors Exercise 9.5	
	9.10 Scalar product of three vectors	Exercise 9.6	
	9.11 Application of vectors mechanics	Exercise 9.7	







PHYSICS - XII

Chapter name	Topics
11.Heat	1- Thermal expansion
	2- Linear thermal expansion Volume expansion
	4- Boyle's law 5- Charle's law
	6- General gas equation
	7- Specific heat capacity 8- Molar specific heat
	9- First law of thermodynamics
	10- Application of first law of thermodynamics
	11- Second law of thermodynamics 12- The Carnot engine
12.Electrostatics	1- Coulomb's law 2- Intensity of electric field
	3- Gauss's law 4- Electric potential
	5- Parallel plate Capacitor & combination of capacitors
13.Current electricity	1. Electric current
•	2. Electric resistance & Ohm's law
	3. Combination of resistors
	4. Electromotive force
14. Magnetism & 1. Magnetic field due to current	
Electromagnetism	2. Force on a current carrying conductor in a uniform magnetic field
	3. Ampere's law
	4. Electromagnetic induction
	5. Laws of electromagnetic induction (Faraday's laws)
	6. Self-induction 7- Mutual induction
	8- Transformer
15.Electrical measuring	The moving coil galvanometer
instruments	2. The ammeter The Voltmeter
16.Electromagnetic	1- Amplitude Modulation 2- Frequency Modulation
waves & Electronics	3- Transistor
17.Advent of modern	Frame of reference
Physics	2. The principle of relativity
	3. Postulates & consequences of Special theory of relativity
	4. The Photoelectric effect
	5. The Compton effects
	6. Pair production & annihilation of matter
18. The atomic spectra	Bohr's model for Hydrogen atom
	2. X-ray spectra
	3. Introduction to laser & its principles
19.The atomic nucleus	Radioactivity & Nuclear changes
	2. The law of radioactive decay
	3. The half period or the half-life of the radioactive nuclide
	4. Nuclear fission
	5. Nuclear fusion
20.Nuclear radiations	Wilson cloud chamber
2011 tacieat radiations	2. Geiger Counter
	Z. Geiger Counter

GUIDELINE FOR TEACHER FOR EFFECTIVE TEACHING: The above enlisted topics their relevant practical work and problems are included in the course





GOVERNMENT OF SINDH SCHOOL EDUCATION & LITERACY DEPARTMENT

Karachi, dated, the 19 October, 2020

NOTIFICATION

NO.SO(CURRICULUM)SELD/CONDENSE-SYLLABUS /2020: In compliance with the decision of Sindh Curriculum Council, and with the approval of Competent Authority i.e Minister for Education & Literacy Department, Government of Sindh, the reduced syllabus for SSC Grades IX-X is hereby notified for the academic year 2020-2021, jointly designed by the Directorate of Curriculum, Assessment & Research (DCAR) Sindh, Directorates of School Education and Boards of Intermediate and Secondary Education under the supervision and guidance of the working group on condensed syllabus:

- The condense syllabus of SSC Part-I (grade-IX) (1- English, 2- Sindhi Compulsory 3-Urdu Compulsory 4-Islamiat, 5-Ethics (IX-X) 6- Biology, 7-Computer Science 8- Chemistry, 9- Mathematics and 10- Physics) annexed at Annexure-A-I to X.
- II. The condense syllabus of SSC Part-II (grade-X) (1-English, 2- Asan Sindhi 3-Asan Urdu, 4- Mathematics and 5- Physics) annexed at Annexure-B-I to V.
- III. The Annual Aexamination of SSCPart-I&II, 2021 of the Boards will be conducted from reduced syllabus vide Annexure-A-I to X for SSC Part-I and Annexure-B-I to V for SSC Part-II.

AHMED BAKHSH NAREJO SECRETARY TO GOVT. OF SINDH

NO.SO(CURRICULUM)SELD/CONDENSE-SYLLABUS /2020: Karachi, the dated October, 2020 A Copy is forwarded for information to:

- 1. The Principal Secretary to Governor, Sindh Karachi
- 2. The Principal Secretary to Chief Minister, Sindh Karachi.
- 3. The Secretary, College Education Department Government of Sindh.
- 4. The Secretary, Universities & Boards Department, Government of Sindh
- 5. The Special/Additional Secretary (All) School Education & Literacy, Department, Government of Sindh.
- 6. The Deputy Secretary (Staff) to Chief Secretary, Sindh, Karachi.
- 7. The Director General Colleges, Sindh, Karachi.
- 8. Members (All) Steering Committee on Education.
- 9. The Chairmen (All) Board of Intermediate & Secondary Education with the request for strict implementation.
- 10. The Director General Inspection & Registration of Private Educational Institutions, Sindh, Karachi with the direction to circulate and ensure strict implementation in the institutions.
- 11. The Director School Education (P/ES&HS) all, with the direction to circulate and ensure strict implementation in the Schools.
- 12. The Director, Curriculum, Assessment & Research, Jamshoro.
- 13. The Additional Director, Teachers Training Institutions, Sindh, Hyderabad.
- 14. The PS to Minister for Education & Literacy, Sindh.
- 15. The PS to Secretary School Education & Literacy Department Government of Sindh.
- 16. The Website.
- 17. The Office file

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SECTION OFFICE CURRICULUM



NO.SO(CURRICULUM)SELD/CONDENSE-SYLLABUS /2020 **GOVERNMENT OF SINDH** SCHOOL EDUCATION & LITERACY DEPARTMENT

Karachi, the dated October, 2020

SSC PART-I **GRADE - IX**

CONDENSED COURSE OF ACADEMIC YEAR 2020-21

ANNEXURE-A-I

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ENGLISH-IX

Unit	Unit Name
1.1	Reading Comprehension
	The Last Sermon of the Holy Prophet (S.A.W) (Exercises 1,2,3,4,6 and 8)
1.2	Listening &Speaking.
	Sharing Information and Ideas (All Exercises)
1.3	Language Practice
	Conditional Sentences(All Exercises)
1.4	Writing
	Descriptive Essay (All Exercises)
	Formal Letters (All Exercises)
2.1	Reading Comprehension
	Shah Abdul Latif (Exercise: 1,2,3,5 and 6)
2.2	Listening &Speaking
	Asking and Answering Questions of a Social Nature (All Exercises)
2.3	Language practice
	Suffixes (All Exercises)
2.4	Writing
	Narrative Essay (All Exercises) Summary Writing (All Exercises)
3.3	Language practice
	Use of article 'a, an and the' (All Exercises)
3.4	Writing
	Informal Emails(All Exercises) Compare and Contrast Essay (All Exercises)
4.1	Reading Comprehension
	The Great Visionaries (Exercise: 3,5,6,7,8 and 9)
4.2	Listening & Speaking
	Asking and Responding to Questions of Academic Nature (All Exercises)
4.3	Language Practice
	Change the Voice (All Exercises) Prefixes (All Exercises)
4.4	Writing
	Paraphrasing a Poem (All Exercises) Application(All Exercises)
5.1	Reading Comprehension
	Health Problems Caused by Mosquitoes (Exercises: 2,3,4,5,6 and 7)
5.2	Listening and Speaking
	Express Satisfaction/ Dissatisfaction (fully and partially) Politely (All Exercises)
5.3	Language Practice

	Narration (All Exercises)	
6.1	Reading Comprehension The Role of Women in Pakistan's Creation and Development. (Exercises:1,2,3,5 and 7)	
6.3	Language Practice Synonyms(All Exercises) Use of Since and for (All Exercises)	
7.3	Language Practice Translation (All Exercises)	
8.3	Language practice Degrees of Adverbs. (All Exercises)	
8.4	Writing Summarizing a Poem (All Exercises)	

Guidelines for Effective Teaching:

- ➤ Home tasks may be assigned to engage students for practice.
- > Teaching & learning may be contextualized keeping in view the environment and resources.
- > Development of Charts, classroom presentation, individual performances may be encouraged.
- A balanced test may be developed in accordance with target language. Model TestPaper for assessment of students is given in the textbook.
- Activities/Exercise Questions at the end of unit may be used for assessing the students' progress according to condensed course during formative or summative assessment.







SINDHI (COMPULSORY)- IX

سبق نمبر	سبق
01	حضور اكرم صلي الله عليه وآله وسلم جن جا اخلاق مبارك (خلاصو، مشق ۽ لاڳاپيل گرامر)
02	حضرت امام حسين عليه السلام (خلاصو، مشق ۽ لاڳاپيل گرامر)
21	ثناه عبداللطيف بِنَائي رحمة الله عليه (حوالو، سمجهاتي)
05	گنجي ٽڪر جو سير (خلاصو، مشق ۽ لاڳاپيل گرامر)
22	سچل سرمست رحمة الله عليہ (پهريون، ٻيو ۽ پنجون بيت) (حوالو ، سمجهاڻي)
10	جمشيد نسروانجي هڪ نيڪ دل انسان. (خلاصو، مشق ۽ لاڳاپيل گرامر)
21	سامي (پهريون ۽ ٻيو بيت) (حوالو ، سمجهاڻي)
	ٻٽي معني وارا لفظ، تجنيس حرفي، تجنيس ناقص ۽ تجنيس تام ۾ فرق سمجهائل
24	سيد ثابت علي شاهه (حوالا ۽ سمجهاڻي)
	خط ۽ درخواست
15	گورک هل اسٽيشن(خلاصو، مشق ۽ لاڳاپيل گرامر)
13	سنڌي ادب جي مختصر تاريخ (خلاصو، مشق ۽ لاڳاپيل گرامر)
	مضمون
	علم بيان جي بنيادي اصطلاحن (تشبيهه، استعاري، كنايي، مجاز مرسل ۾ فرق) شعري
	صطلاحن (شعر، مصرع، مطلع، مقطع، قافيو ۽ رديف)
29	ڪشنچند بيوس (پهريون، ٻيو ۽ ڇهون بند) (حوالو ، سمجهاڻي)
20	سورٺ ۽راءِ ڏياچ (خلاصو، مشق ۽ لاڳاپيل گرامر)
34	مخدوم محجد زمان طالب المولى (حوالو ۽ سمجهاڻي)
	بيهك جون نشانيون ، اشتقاق كر ل، محاور ا، فقر ا و غيره
	ورجاء

استادن لاءِ هدايتون: استاد پنهنجي مهارت جي بنياد تي تجويز كيل كورس كي پڙهائي ۽ روزانو جي بنياد تي جائزو به وٺندو رهي ته جيئن بهتر نتيجا حاصل كري سگهجن.

استاد ٻار کي گهرو ڪم پڻ ڏئي ،جيئن شاگرد پنهنجي صلاحيتن کي اجاگر ڪري سگهن.

تجويز كيل نثر، نظم ۽ گرامر مان امتحان ورتو وڃي. خاص طور تي كجه نظمن جا شعر وقت جي گهٽتائي سبب گهٽ ڪيا ويا آهن، امتحان لاءِ تجويز ڪيل شعرن مان چونڊ ڪئي وڃي.





URDU (COMPULSORY)- IX

نمبر شمار		عنوان/ مضامین	صفحہ نمبر
	اخلاق نبوی صلی الله علیه وآلم و سلم	از: شبلی نعمانی	1 .
	رشتہ ناتا	از: حكيم محمّد سعيد	٣١
	نظریهٔ پاکستان	از: ڈاکٹر غلام مصطفے خاں	۴.
	افسانوی ادب		
	اصغری نے لڑکیوں کا مکتب بٹھایا	از: ڈپٹی نذیر احمد دہلوی	۵.
	بوڑھی کاکی	از: مُنشى پريم چند	۵۸
	<u>ڈراما/ مکالمہ</u>		
	شهید	از: مرزا ادیب	V 4
	خاکہ/ آپ بیتی		
	ڈسٹرکٹ بورڈ کی ڈسپنسیری	از: قدرت الله شبهاب	91
	طنز و مزاح		
	أونهم	از: مرزا فرحت الله بیگ	99
	مكاتب		
	بہ نام ہر گوپال تَفتہ	از: غالب	117
-1	بہ نام میر مہدی مجروّح	از: غالَب	115
	حصهٔ نظم (عنوان)	شعرا	
٠١.	حمد باری تعالیٰ	از: مولانا اسمعیل میرشهی	111
-1	نعت	از: امیر مینانی	1 7 7
-1	برسات کا تماشا	از: نظیر اکبر آبادی	١٢٨
-1	دُنیائے اسلام	از: علامہ محمد اقبال	1 44
-1	گرمی کی شیدت	از: میر انیس	144
-1	جیوے جیوے پاکستان	از: جميل الدّين عالى	141
	غزليات		
.1	فقیرانہ آئے صدا کر چلے	میر تقی میّر	104
٠١.	ہر ایک بات پہ کہتے ہو تم کہ ''تو کیا	از: مرزا غالب	190
	ہے" ؟		

جماعت وار تلخیصی کورس (نصاب اُردُو کے مطابق) اُردُو لازمی برائے نویں دسویں جماعت



زبان شناسى/قواعد

- روزمرہ اور محاورہ کے لحاظ سے غلط فقرات کی درستی
 - مكالمم/ روداد نويسى
 - كهانى لكهنا
 - ۔ مضمون
 - خط (رسمی/ غیر رسمی) - ہئیت کے لحاظ سے غزل اور نظم کے فرق کو سمجھنا
- اپنے خیالات کو مختلف اندازِ بیاں یا محضر کے لحاظ سے تحریر کر سکنا





ISLAMIAT GRADE - IX

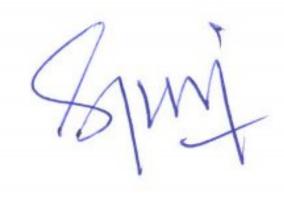
CONDENSED CONTENT	CHAPTER
حصهاول: قرآنمجيد (بامحاوربترجمم) (سورة الانفال)	حصم اول
الجزء الاول من هدى القرآن الكريم	قرآن مجيد
الدرس الاول-(الف) (سورة الانفال - آيات 1 - 10)	(با محاوره ترجمه)
الدرس الاول-(ب) (سورة الانفال-آيات 11 - 19)	سورة الانفال
الدرس الاول- (ج) (سورة الانفال آيات 20 - 28)	
الدرس الثاني-(الف) (سورة الانفال -آيات - 29 - 37)	
الدرس الثاني- (ب) (سورة الانفال - آيات 38 - 44)	
الدرس الثاني-(ج)(سورة الانفال - آيات - 45 - 48)	
الدرس الثاني-(د) (سورة الانفال - آيات 49 - 58)	
الدرس الثالث-(الف) (سورة الانفال - آيات - 59 - 64)	
الدرس الثالث-(ب) (سورة الانفال - آيات - 65 - 69)	
الدرس الثالث-(ج)(سورة الانفال - آيات - 70 - 75)	
احادیث مبارکہ (من هدی الحدیث)	حصہ دوم
دس (10) احادیث عربی متن بمع ترجمه و تشریح	احادیث مبارکہ
1. افضل الاعمال لاالم الا اللهو افضل الدعاء الاستغفار	
2. طلب العلم فريضة على كل مسلم	
4. من صلى على مرة فتح الله لم بابا من العافية	
6. من احب لله وابغض لله واعطى الله ومنع لله فقد استكمل الايمان	
7. ليس منا من لم يرحم صغيرنا ولم يوقر كبيرنا	
8. الراشي والمرتشى في النار	
10. ان اكمل المؤمنين ايمانا احسنهم خلقا	
11. الصلوة عماد الدين ومن اقامها فقد اقام الدين ومن هدمهافقد هدم الدين	
19. كلكم راع وكلكم مسئول عن رعيته	
20. خير الناس من ينفع الناس	
1: قر آنمجيد، تعارف، حفاظت، فضائل	حصہ سوم
2: الله تعالى اور اس كے رسول حضرت مجد رسول الله خاتم النبيين صلى الله	موضوعاتي مطالعه
ے: اللہ تعالی اور اس کے رسول خصرت کے رسول اللہ کالم اللبییں صلی اللہ علیہ و علیٰ آلہ و اصحابہوسلم کی محبت و اطاعت	-
علیہ و علی اللہ و اصلحابہو سلم کی محبت و اطاعت 3: علم کی فرضیت و فضیلت	
ر. علم حی در صیب و تعیب	



Som

ہدایات برائے اساتذہ (اسلامیات)

- سبق پڑھانے سے پہلے سبق کا خلاصہ بیان کریں تاکہ سبق کے مقاصد کا حصول ممکن ہو۔
 - قرآنی آیات کا ترجمہ استاد پہلے خود کرے۔
 - سبق پڑھاتے ہوئے، الکلمات والتراکیب، کا ترجمہ اور تشریح ضرور کرے۔
 - مختلف طلبہ سے باری باری قرآنی آیات کا ترجمہ کروایا جائے اور ہر پیراگراف کا مفہوم مختلف طلبہ سے زبانی پوچھا جائے۔ تاکہ طلبہ کو پورا سبق ذہن نشیں ہوجائے اور وہ مشق از خود حل کریں۔
- تحقیق کی سرگرمی کے ذریعے سے طلبہ میں تلاش و جستجو کی عادت پیدا کرنے کی کوشش کرے۔
 - تدریس کے دوران آسان سے مشکل اور معلوم سے نامعلوم کی طرف سفر کرنے کے اصول کو اپنایا جائے۔
 - دوران تدریس تقریری طریقہ ترجمے والا طریقہ مباحثی طریقہ اور تفویضی طریقہ کیے جاسکتے ہیں۔ طریقہ اختیار کیا جائے نیز مزیدطریقہائے تدریس بھی استعمال کیے جاسکتے ہیں۔



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ETHICS (for Non-Muslims) Grade IX-X

Condensed Content	Chapter No:
سويارو پاكستان (نظم)	1
علم اخلاق	2
الله تعاليٰ سيني خوبين جو مالڪ	3
انساني ۽ اخلاقي قدر	4
ٻين جي جان، مال ۽ عزت جو احترام	7
منظم ورتاء	12
رواداري	17
حضرت موسيٰ عليه السلام	21
حضرت عيسيٰ عليه السلام	22
حضرت محد رسول الله خاتم النبيين صلي الله عليه و آله و اصحابه وسلم	23
مهاتما گوتم ېڌ	24
زرتشت زرتشت	25
شري ڪرشن جِي	26
گرو نانڪ	27
حق ۽ فرض	29
سماجي ادارا	30

Guide line for teacher for effective teaching:

1. استاد کي گهرجي ته سبق پڙهائڻ يا تدريسي عمل کان پهرين سبق جو خلاصو بيان ڪري ته جيئن پڙهائڻ جو مقصد حاصل ٿي سگهي.

2. سبق پڙهائڻ وقت شاگردن جو ڌيان عملي طور شامل هئڻ گهرجي

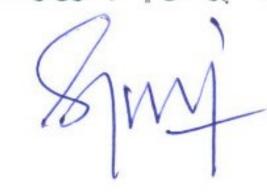
سبق پُڙهائڻ وقت عملي سرگرمين جهڙو ڪ سوال ڪرڻ، يا تجسس ڀري ڄاڻ حاصل ڪرڻ جي جستجو ۽ عادت پيدا ڪرڻ لاءِ شاگر د
 کي همٿائڻ گهرجي.

4. سبق جي تدريس كان پوءِ شاگر دن كان سبق بابت سوال كرڻ گهر جن ته جيئن سبق جو مقصد در ست انداز ۾ سمجهي سگهن.

5. تدريس جو طريقو سولي کان سولو اختيار ڪيو وڃي.

6. پڙهائڻ ۽ سيکارڻ وقت عملي، بياني، بحث ۽ مباحثو ۽ تحريري وغيره طريقا استعمال ۾ آندا وڃن.







NO.SO(CURRICULUM)SELD/CONDENSE-SYLLABUS /2020 GOVERNMENT OF SINDH SCHOOL EDUCATION & LITERACY DEPARTMENT Karachi, the dated October, 2020

BIOLOGY - IX

Chapter	Topic(s)
1. Introduction to	1. Definition of Biology
Biology	2. Division & Branches of Biology
	3. Relationship of Biology with other Sciences
	4. Quran Instructs to reveal the study of life
	5. The level of organization
2. Solving a	1. Biological Methods/Scientific Problem
Biological	✓ Observation
Problems	✓ Hypotheses
	✓ Deductions
	✓ Experiments
	✓ Result
	✓ Theory, Law and Principle
3. Biodiversity	Definition and Introduction of Biodiversity
5. Diodiversity	2. Aims & Principles of Classification
	3. The Five Kingdoms Classification
	4. Binomial Nomenclature
	5. Conservation of Biodiversity
4. Cells and Tissues	Microscope and Emergence of Cell Theory
	2. Cellular Structures and Functions
	3. Difference in prokaryotic and eukaryotic cells
	4. Diffusion
	5. Osmosis
	6. Exocytosis
	7. Endocytosis
	8. Animal tissues
	9. Plant tissues
	9. Plantussues
5. Cell Cycle	1. Chromosomes Structures and Function
J	2. Mitosis
	Necrosis and Apoptosis
	4. Meiosis
	THE THE PARTY OF T
6. Enzymes	Definition and Characteristics of Enzymes
7. Bioenergetics	Introduction and Role of ATP
	2. Photosynthesis
	3. Respiration
	4. Aerobic Respiration, Anaerobic Respiration.

8. Nutrition	1. Introduction of Nutrition
	2. Heterotrophic Nutrition
	3. Digestion in Man
9. Transport	1. Transport in Plants
	2. Transpiration and its Significance
	3. Transport in Animals
	4. Transport in Man
	5. Blood Disorders
	6. Human Heart

Guide Lines for teachers for effective teaching:

- 1. Locate, select, organize and present relevant information from variety of sources.
- 2. Try to develop relationship among the remaining topics.
- 3. Guide students to understand scientific concepts & Terminology.
- 4. Use different teaching strategies to cover given topics in limited time.
- 5. Ensure that the students understand the concept(s) and processes.
- 6. Use appropriate Tools and techniques for teaching in Biology.



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COMPUTER SCIENCE – IX(New Textbook)

Chapter/ Theme	Topic(s)	
1. Fundamentals of Computer	 Introduction to Computer Generations of Computer Classification of Computer Describe Computer Hardware (Full) Basic Operations of a Computer Computer Software (System Software, Application Software) 	
2. Fundamentals of Operating System	 Introduction of Operating System Functions of Operating System 	
3. Office Automation	 MS Word Page Layout Tab Page Setup Group Page Background Group Paragraph Group Arrange Group Typing in Urdu and Sindhi Language MS EXCEL Ms Excel User Interface Formulas Charts 	
4. Data Communication and Computer Networks	 Basic Terminologies of Data Communication Components of Communication System Properties of Good Communication Basics of Computer Network Fundamental of Topologies Difference between Physical Address and Logical Address 	
5. Computer Security and Ethics	 Importance of Computer Security Cyber Crime Computer Crime in Real Life (Hacking, Credit and Debit Card Scam) 	
6. Web Development	 Basic Terminology of Web Development Definition of Terms Introduction to HTML Steps Involved in creating Web Page in HTML HTML Tags Designing and Formatting 	
7. Introduction to Database System	 Database Database Management System (DBMS) Basic Components of DBMS Steps for Creating Table Using Design View 	



CHEMISTRY - IX

Chapter	Chapter Name	Topics
01	Fundamentals of Chemistry	1.1 What is Chemistry (Definition and its Importance) 1.4 Branches of Chemistry
02	Chemical Combination	2.1 Laws of Chemical Combination
	(Complete Chapter with	2.2 Atomic mass
	Numerical)	(only Subtopics 2.2.2, 2.2.3 and 2.2.4)
		2.3 The Mole (problem)
		2.4 Chemical reaction or Chemical Change
		(Only Subtopics 2.4.1, 2.4.2. 2.4.3. 2.4.4 and 2.4.5)
03	Atomic Structure	3.3 Rutherford's Atomic Model
		3.4 Atomic Number (Z) and Mass Number (A)
		(Only Subtopics 3.4.1)
		3.5 Electronic Configuration based on Bohr's Model
04	Periodicity of Elements	4.1 The Search for a Classification
		(Only sub topic 4.1.5, 4.1.6 and 4.1.7)
		4.2 Some Periodic Properties of Atoms
05	Chemical Bonding	5.1 Introduction
		5.2 Formation of Chemical Bonds
		5.3 Types of Chemical Bonds
		5.4 Ionic Bond or Electrovalent Bond
		5.5 Covalent Bond
		5.6 Co-Ordinate Covalent Bond or Dative Covalent Bond
06	State of Matter	6.1 Common State of Matter
		6.2 Diffusion in Gases and Liquids
07	Solution and Suspension	7.1 Solution
	•	7.2 Factors Affecting Solubility
		7.5 Strengths of a Solution
08	Electrochemistry	8.1 Electrolyte & Non-Electrolyte
		8.3 Faraday's Law of Electrolysis
09	Acids, Bases and Salts	9.2 Properties of Acids & Bases (Only properties)
		9.4 Salts (Only Types of Salts)
		9.5.2 The Concept of pH with Numerical
10	Chemical Energetics	Condensed full chapter b/c it will be covered in XI



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MATHEMATICS-IX

Unit	Topics & Exercises
Unit 1: Sets	Complete Unit with all Exercises (1.1 to 1.4)
Unit 2: System of Real numbers, exponents and radicals	Complete Unit with all Exercises (2.1 to 2.8)
Unit 3: Logarithms	3.3 Definition of Logarithm Exercise 3.2
	3.6 Common Logarithms Exercise 3.4
	3.7 Antilogarithms Exercise 3.5
	3.8 Applications of Logarithms and Computations (Ex: 3.6)
Unit 4: Algebraic Expressions	4.1 Variables and Consonants
	4.2 Coefficient
	4.3 Algebraic Expressions
	4.4 Kinds of Algebraic Expressions
	4.5 Classification of Polynomials Exercise 4.1
	4.6 Order of the Algebraic Expressions Exercise 4.2, 4.4
	4.10 Formulae and their ApplicationExercise 4.6, to 4.10
Unit 5: Factorization, HCF, LCM, Simplification & Square	5.2 Factors of the Expressions Reducible to the Form $a^2 - b^2$ Exercise 5.2
Roots	5.3 Factors of the Expressions of the types $ax^2 + bx + c$
	Exercise 5.3
THE ATTENT & LARTMENT	5.4 Factors of the Expressions of the $a^3 \pm b^3$ (Exercise 5.4) 5.5 Factors of the Expressions of the types $a^3 + b^3 + c^3$ -3abc Exercise 5.5
	5.8 Highest Common Factor(Exercise 5.8)
	5.9 Least Common Multiple (LCM) of Polynomials
	Exercise 5.10, Exercise 5.14
Unit 7: Matrices	Complete Unit with all Exercises (7.1 to 7.5)
Unit 11: Fundamental Concepts of Geometry	Complete Unit with Exercise 11.1
Unit 12:	Theorems on lines and polygons
Demonstrative Geometry	Methods of Proof
	Theorems 1 to 5 with their related exercises (12.1 to 12.5)



NO.SO(CURRICULUM)SELD/CONDENSE-SYLLABUS /2020 GOVERNMENT OF SINDH SCHOOL EDUCATION & LITERACY DEPARTMENT Karachi, the dated October, 2020 PHYSICS- IX

UNIT	OPIC	
1.Introduction	 What is PHYSICS? Importance of PHYSICS in daily life. 	
2.Measurement	Physical quantities Measuring instruments (Vernier caliper, micrometer screw gauge, Measuring cylinder)	
3.Kinematics of linear motion	 Rest & motion Types of motion Distance & Displacement Speed Velocity Acceleration Equations of motion 	
4.Motion & force	 Force Newtons laws of motion Mass & weight Momentum 	
5.Vectors	 Introduction (scalar, vectors) Vector representation Resolutions of vectors 	
6.Equilibrium	 Torque or moment of a force Centre of gravity Conditions of equilibrium States of equilibrium 	
7.Circular motion & Gravitation	1. Uniform circular motion 2. Centripetal acceleration 3. Centripetal force 4. Law of universal Gravitation 5. Mass of Earth 6. Variation of 'g'decreases with altitude	
8. Work, Power & Energy	 Work Power Energy Kinetic energy Gravitational potential Energy 	

9.Properties of Matter	1. Elasticity
	2. Hooks law applied to a helical spring
	3. pressure
	4. Pascals law
	Application of pascal law (hydraulic lift)
	6. Archimedes principle
	7. Analytical treatment of Archimedes principle
	8. Buoyancy & law of floatation
	9. Kinetic molecular theory of matter
10.Heat	1. Temperature
	2. General features of a thermometer
	3. Mercury in glass thermometer
	4. Thermal expansion
	Linear thermal expansion of solids
	6. Volume thermal expansion
	7. Anomalous expansion of water
	8. Boyles law
	9. Charles law
	10. General gas equation
	11. Heat capacity
	12. Specific heat capacity

GUIDELINE FOR TEACHER FOR EFFECTIVE TEACHING:

- The above enlisted topics & their relevant problems are included in the course
- Practical work related to concerned above topics should be performed





SSC PART-II
GRADE – X

ANNEXURE-B-I

ENGLISH -X

Lesson No.	Lesson Name	
01	The Voice of God (Poem)	
02	The Wise Caliph	
04	Little Things (Poem)	
7	From a Railway Carriage (Poem)	
8	Dignity of Work	
10	Beautiful Hands (Poem)	
11	A Village Fair	
14	The Hand that Rock the Cradle (Poem)	
15	An African Village	
16	King Bruce and the Spider (Poem)	
17	The Inheritors	
18	Casabianca (Poem)	
19	The Khyber Pass	
24	There is a Good Time Coming (Poem)	
25	The Customs of Various Regions of Pakistan	

Guidelines for Effective Teaching:

> Grammar and language activities may be developed according to age and grade level of students. Grammar may be developed as per Board assessment.

Activities/Exercises Questions at the end of unit may be used for assessing the students' progress according to condensed course during formative or summative assessment. A balanced test may be developed in accordance to target Language.





ASAN SINDHI-X

مضمون/نظم نمبر	عنوان
1	حجة الوادع وارو خطبو (خلاصو، مشقون ۽ لاڳاپيل گرامر)
2	حضرت سلمان فارسي رضي الله تعالى عنه (خلاصو،مشقون ۽ لاڳاپيل گرامر)
19	آهيون الف آسري، محمد مجيوسون (حوالو، سمجهاڻي ۽ لاڳاپيل گرامر)
3	حضرت امام جعفر صادق عليه السلام (خلاصو،مشقون ۽ لاڳاپيل گرامر)
4	قائداعظم رحمة الله عليه جا ارشاد (مشقون ۽ لاڳاپيل گرامر)
21	دعا (مشق، حوالو، سمجهاتي، ۽ لاڳاپيل گرامر)
8	هنر دولت آهي (خلاصو،مشقون ۽ لاڳاپيل گرامر)
9	خط(مشقون ۽ لاڳاپيل گرامر)
22	سچل سرمست " (حوالو، سمجهاتي، لاڳاپيل گرامر)
11	اجرك (خلاصو، مشقون ۽ لاڳاپيل گرامر)
13	كينجهر ڍنڍ (خلاصو،مشقون ۽ لاڳاپيل گرامر)
24	بنايون سُک جو كو سنسار (حوالو، سمجهاڻي۽ لاڳاپيل گرامر)
15	رڌ پچاءُ (خلاصو،مشقون ۽ لاڳاپيل گرامر)
	خط ۽ در خواست
	مضمون
	بيهك جون نشانيون
	لفظن جو ذخيرو
	پنهنجا خيال تحرير كرڻ وغيره

استادن لاءِ هدايت: استاد پنهنجي مهارت جي بنياد تي تجويز كيل كورس كي پڙهائي ۽ روزانو جي بنياد تي جائزو به وٺندو رهي ته جيئن بهتر نتيجا حاصل كري سگهجن. استاد ٻار كي گهرو كم پڻ ڏئي ،جيئن شاگرد پنهنجي صلاحيتن كي اجاگر كري سگهن. نوٽ: تجويز كيل نثر ، نظم جي ڀاڱن ۽ گرامر مان امتحان ورتو وڃي.





ASAN URDU -X

نمبر	حصه نثر (عنوان)	صفحہ
شمار		ثمبر
-1	حق کا پیغام	از: علامہ سید سلیمان ندوی
- 7	جاؤ ، آج تم سب آزاد ہو	از: حكيم محمّد سعيد
- ٢	پاکستان سے محبّت	از: مؤلفین ۱۳
- 4	وطن کی خاطر	از: ڈاکٹر علامہ مصطفے خاں
-6	آتش بازی	از: ڈپٹی نذیر احمد
- 9	قائد اعظم سے پہلی اور آخری ملاقات	از: مختار مسعود از: مختار مسعود
- \	فضول رسمیں	از: آغا محمد اشرف
-/	ایک دل چسپ سفر	از: علامہ شبلی نعمانی
-	ہم سب ایک ہیں	از: ڈاکٹر اسلم فرُخی
-1	قومی اور علاقائی زبانیں	از: مؤلفین از: مؤلفین
-1	مرزا غالب کی باتیں	از: مؤلفین از: مؤلفین
-1	حصۂ نظم (عنوان)	
	حمد باری تعالیٰ	از: حفیظ جالندهری
	نعت	از: بېزاد لکهنوی
	غزليں	
	خواجہ میر درد	٨٢
	مرزا غالب	٨٢
	نظمين	
	ابل بيت رسول صل الله عليه و آلم و	از: علامہ شبلی نعمانی
	سلّم کی زندگی	
	حضرت ابو بكر صديق رضه	از: علامہ اقبال

جماعت وار تلخیصی کورس (نصاب اُردُو کے مطابق) آسان اُردُو برائے نویں جماعت

- 1. زبان شناسى / قواعد
- اسم خاص اور اسم عام میں تمیز کرسکیں۔
- سادہ جملے بنانے پر عبور حاصل کرسکیں۔
- سادہ جملوں کو زمانہ ماضی، حال اور مستقبل کے لحاظ سے تبدیل کر سکیں۔
 - رموز اوقاف کا درست استعمال کر سکیں۔
 - عام موضوعات پر ساده اور مختصر کہانی لکھ سکیں۔
- مختلف موضوعات پر تین سے چار پیراگراف لکھ سکیں جو مربوط اور منظم ہوں۔
- مختلف پیشوں سے متعلق اپنے احساسات و خیالات گیارہ سے پندرہ جملوں میں تحریر کر سکیں۔



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MATHEMATICS -X

Unit	Topics & Exercises	
Unit 1: Sets	Complete Unit with all Exercises (1.1 to 1.4)	
Unit 2:	Complete Unit with all Exercises (2.1 to 2.8)	
System of Real Numbers,		
Exponents and Radical		
Unit 3:	3.3 Definition of Logarithm Exercise 3.2	
Logarithms	3.6 Common Logarithms Exercise 3.4	
	3.7 Antilogarithms Exercise 3.5	
	3.8 Applications of Logarithms and Computatio	
	Exercise 3.6	
Unit 4:	4.1 Variables and Consonants	
Algebraic Expressions	4.2 Coefficient	
	4.3 Algebraic Expressions	
	4.4 Kinds of Algebraic Expressions	
	4.5 Classification of Polynomials Exercise 4.1	
	4.6 Order of the Algebraic Expressions Exercise 4.2. 4.4	
	4.10 Formulae and their Application Exercise 4.6 to 4.10	
Unit 5:	5.2 Factors of the Expressions Reducible to the Form $a^2 - b^2$	
Factorization, HCF, LCM,	Exercise 5.2	
Simplification and Square Roots	5.3 Factors of the Expressions of the types $ax^2 + bx + c$	
	Exercise 5.3	
	5.4 Factors of the Expressions of the $a^3 \pm b^3$ (Exercise 5.4)	
	5.5 Factors of the Expressions of the types $a^3 + b^3 + c^3$ -3abc	
	Exercise 5.5	
	5.8 Highest Common Factor Exercise 5.8	
	5.9 Least Common Multiple (LCM) of Polynomials Ex:5.10, 5.14	
Unit 6:	6.3: Solution of the equations involving radicals in one variable.	
Algebraic Sentences	Ex:6.3	
riigeorate Sentences	6.4: Solution of equation of one variable involving absolute value.	
	Exercise: 6.4	
	6.5 Inequalities or Inequations Exercise : 6.5	
	6.6: Quadratic equation in one variable.	
	6.7: Solution of the Quadratic equation by factorization, Ex: 6.6	
	6.8: Solution of quadratic equations by computing the squares. Ex. 6.7	
	6.10 Solution of Quadratic Equations by Quadratic Formula Ex: 6.8	
Unit 7: Matrices	Complete Unit with all Exercises (7.1 to 7.5)	
Unit 8: Elimination		
	Complete Unit with Exercise 8.1	
Unit 11: Fundamental Concepts	Complete Unit with Exercises 11.1	
of Geometry	The angular and hely some	
Unit 12: Demonstrative	Theorems on lines and polygons	
Geometry	Methods of Proof	
II '. 12 C' 1	Theorems 1 to 5 with their related exercises (12.1 to 12.5)	
Unit 13: Circle	Exercises 13.1	
Unit 14:Practical Geometry	Exercise 14.2	
Unit 15: Trigonometry	Complete Unit with all Exercises (15.1 to 15.5)	



PHYSICS -X

UNIT	TOPIC
1. Introduction	1. What is PHYSICS?
	2. Importance of PHYSICS in daily life.
2.Measurement	Physical quantities
	2. Measuring instruments (Vernier caliper, micrometer
	screw gauge, physical balance)
3.Kinematics of linear motion	1. Rest & motion
	2. Types of motion
	3. Distance & Displacement
	4. Speed
	5. Velocity
	6. Acceleration
	7. Equations of motion
4.Motion & force	1. Force
	2. Newtons laws of motion
	3. Mass & weight
	4. Momentum
5.Vectors	1. Introduction(scalar, vectors)
	2. Vector representation
	3. Resolutions of vectors
6.Equilibrium	Torque or moment of a force
o.Equinorium	2. Centre of gravity
	3. Conditions of equilibrium
	4. States of equilibrium
7 C! 1	<u> </u>
7.Circular motion &	1. Uniform circular motion
Gravitation	2. Centripetal acceleration
	3. Centripetal force
	4. Law of universal Gravitation
	5. Mass of Earth
0 XX 1 D 0	6. Variation of 'g' decreases with altitude
8. Work, Power &	1. Work
Energy	2. Power
	3. Energy
	4. Kinetic energy
O C:1	5. Gravitational potential Energy
9.Simple machines	N.B: This Chapter may be skipped (Excluded)
10.Properties of Matter 10.Properties of Matter ARTMENT	1. Elasticity
	2. Hooks law applied to a helical spring
	3. pressure
	4. Pascals law
	5. Application of pascal law (hydraulic lift)
	6. Archimedes principle
	7. Analytical treatment of Archimedes principle
	8. Buoyancy & law of floatation
	9. Kinetic molecular theory of matter

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11.Heat	1. Temperature
	2. General features of a thermometer
	3. Mercury in glass thermometer
	4. Thermal expansion
	5. Linear thermal expansion of solids
	6. Volume thermal expansion
	7. Anomalous expansion of water
	8. Boyles law
	9. Charles law
	10. General gas equation
	11. Heat capacity
	12. Specific heat capacity
12.Waves & sound	1. Simple harmonic motion
	2. Example of simple harmonic motion (simple pendulum)
	3. Wave motion
	4. Characteristics of wave
	5. How sound is produced?
	6. Velocity of sound
13.Propagation & reflection	 Reflection of light
of light	2. Laws of reflection
	Regular & irregular reflection
	 Mirror formula (equation for spherical mirrors)
14.Refraction of light &	1. Refraction of light
optical instruments	Refraction of light through prism
	3. Lenses
	4. Thin lens formula
	5. Magnification
	6. Optical instruments (human eye)
15.Nature of light	1. Quantum theory & dual nature of light
&electromagnetic spectrum	2. The spectrum
16. Electricity	3. Insulator & conductor
	4. Coulombs law
	5. Electric field
	6. Capacitor
	7. Electromotive force (e.m.f)
	8. Electric current
	9. Resistance
17.14	10. Ohms law
17.Magnetism & electromagnetism	1. Magnetic force
	2. Magnetic field
	3. Force on a current carrying conductor in a magnetic field
18. Electronics	N-type and p-type substances
	2. P-n junction diode
19.Nuclear Physics	Natural radioactivity
	Alpha beta & gamma rays
	3. Nuclear fission

NB: The above enlisted topics & their relevant Practical and problems are included in the course.

