

# (A) SCHEME OF STUDIES FOR STUDENTS (NSQF) UNDER SCIENCE, COMMERCE, AGRICULTURE, TECHNICAL AND VOCATIONAL STREAM

(Academic Year 2017-18)

## Senior Secondary (Class XI/XII) Examination

(a) Compulsory Subjects: Every candidate shall offer the following subjects:

Sr. No.	Subject	Th		Prac./Project		CCE		HOT		Total Marks	Min Pass Marks
		Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min				
1.	General English	65	22			10	03	-	-	75	25
2.	General Punjabi Or Punjab History and Culture	65	22			10	03	-	-	75	25
3.	Environmental Education	45	15			05	03	-	-	50	17
4.	Computer Science/ NSQF Trade	50	17	40	13	10	03	-	-	100	33
		30	10	50	17	10	03	10	03	100	33

**\*Important Note:** Every candidate shall offer 'Environmental Education and Computer Science/NSQF trade' as compulsory subjects. External examination of these subjects will be conducted by the Board. Evaluation shall also be done externally and result in the form of Marks Obtained and Grades as shown in the Pass Formula will reflected on the Certificate. Although marks obtained in NSQF trade shall not be added in their total marks but will be shown in DMC.

**Note:** 1. A candidate who has passed the Matriculation examination from a Board other than the Punjab School Education Board can have Punjab History and Culture in lieu of the Compulsory Punjabi Subject in the 11<sup>th</sup>/12<sup>th</sup> classes. Such students will furnish proof of not having studied Punjabi at the Matric level.

2. A candidate who has passed Matriculation examination from the Punjab School Education Board with 'Punjab History and Culture' as a subject can opt for Punjab History and Culture in lieu of compulsory Punjabi in the 11<sup>th</sup> and 12<sup>th</sup> classes.

(b) Elective Subjects:

In addition to the compulsory subjects every candidate shall offer any of the following groups:

Group I Humanities

(Note: Students of NSQF appearing under humanities group have opted as an elective subject for which separate Scheme of Studies have been uploaded on Board's website.)

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Group II	Science
Group III	Commerce
Group IV	Agriculture
Group V	Technical

(c) Additional Subjects:

In addition to three elective subjects offered by a candidate out of the group (only in case of Humanities, Science and Agriculture groups) a student may offer one additional subject from the same group.

## SCIENCE GROUP

Every candidate shall offer the following subjects:

Sr. No.	Subject	Th		Prac/Pro		CCE		Total Marks	Min Pass Marks
		Min/Max		Min/Max		Min/Max			
1.	Physics	70	23	20	7	10	3	100	33
2.	Chemistry	70	23	20	7	10	3	100	33
3.	Biology	70	23	20	7	10	3	100	33
	Or Mathematics	90	30			10	3	100	33
A candidate can offer an additional subject out of the following:									
I.	Geology	70	23	20	7	10	3	100	33
II.	Geography	70	23	20	7	10	3	100	33
III.	<b>Home Science</b>	<b>60</b>	<b>20</b>	<b>30</b>	<b>10</b>	<b>10</b>	<b>03</b>	<b>100</b>	<b>33</b>
IV.	Agriculture	70	23	20	7	10	03	100	33
V.	Biology	70	23	20	7	10	03	100	33
	Or Mathematics	90	30			10	03	100	33
VI.	Computer Application	60	20	30	10	10	03	100	33
VII.	<b>Elements of Electronic Engg.</b>	<b>40</b>	<b>13</b>	<b>50</b>	<b>17</b>	<b>10</b>	<b>03</b>	<b>100</b>	<b>33</b>
VIII.	Economics	90	30			10	03	100	33
IX.	Biotechnology	70	23	20	07	10	03	100	33

Note: (1) In addition to three elective subjects offered by a candidate out of Science group a candidate desiring higher studies in Ayurveda, may offer Sanskrit as an additional language. The syllabus of Sanskrit will be the same as prescribed in the Humanities Group.

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- (ii) The Syllabi in subjects of Economics, Geography, Home Science and Mathematics will be the same as prescribed in the Humanities Group.
- (iii) The syllabus in the subject of Agriculture will be same as prescribed in the Agriculture Group.

## COMMERCE GROUP

Sr. No.	Subject	Th		Prac/Pro		CCE		Total Marks	Min Pass Marks
		Min/Max		Min/Max		Min/Max			
1.	Business Studies-II	65	22			10	03	75	25
2.	Accountancy II	50	17	15	05	10	03	75	25
3.	Business Economics & Quantitative Methods-II	65	22			10	03	75	25
4.	Fundamentals of E-Business	50	17	15	05	10	03	75	25

A candidate can also offer an additional subject out of the following:

- (a) Computer Application
- (b) Mathematics

**Note:** (i) All the four Elective subjects i.e. Sr. No. 1 to 4 are compulsory.

(ii) The syllabus of Computer Application will be the same as prescribed in Science and Humanities Group.

(iii) The syllabus of Mathematics will be the same as prescribed in Humanities Group.

## AGRICULTURE GROUP

Sr. No	Subject	Th		Prac/Pro		CCE		Total Marks	Min Pass Marks
		Min/Max		Min/Max		Min/Max			
1.	Agriculture	70	23	20	07	10	03	100	33
2. & 3. Any two of the following:									
(i)	Physics	70	23	20	07	10	03	100	33
(ii)	Chemistry	70	23	20	07	10	03	100	33
(iii)	Economics	90	30			10	03	100	33
(iv)	Rural Development & Environment	90	30			10	03	100	33
(v)	Geography	70	23	20	07	10	03	100	33
A candidate can offer an additional subject out of the following:									
(a)	Mathematics	90	30			10	03	100	33
(b)	Computer Application	60	20	30	10	10	03	100	33

**Note:** The Syllabi in the subjects of Physics, Chemistry and Computer Application will be same as prescribed in the Science Group and that of Geography, Mathematics, Economics and Rural Development & Environment will be the same as in the Humanities Group.

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Abbreviations :

- Th - Theory  
Pr - Practical  
CCE - Continuous Comprehensive Evaluation.

## TECHNICAL GROUP

Every candidate shall offer the following subjects:

Sr. No.	Subject	Th		Prac/Pro		CCE		Total Marks	Min Pass Marks
		Min/Max		Min/Max		Min/Max			
(i)	Elements of Building Construction	15	5	35	12	25	8	75	25
(ii)	Elements of Electronics engineering	15	5	35	12	25	8	75	25
(iii)	Elements of Mech. engineering	15	5	35	12	25	8	75	25
(iv)	Elements of Elect. Engineering	15	5	35	12	25	8	75	25
(v)	Engineering Drawing	15	5	35	12	25	8	75	25
2.	Physics	55	18	12	4	8	03	75	25
3.	Chemistry	55	18	12	4	8	03	75	25
4.	Mathematics	55	18	12	4	8	03	75	25

Note: 1 A candidate can offer computer application as an additional subjects also. The syllabus of computer application will be the same as prescribed in Science Group.

Note: 2 The syllabus for Technical Group can be obtained from Director Academics, Punjab School Education Board, Mohali.

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