



Higher Secondary Education Board

Sanathimi, Bhaktapur

Course Structure of Technical Stream for Grade XI & XII

Plant Science

S.N	Name Of Subject Grade-XI	Full Marks		Total	S.N.	Name OF Subject Grade-XII	Full Marks		Total
		Theory	Practical				Theory	Practical	
1	English	100	-	100	1	Nepali	100	-	100
1	Physics	75	25	100	2	Physics	75	25	100
3	Chemistry	75	25	100	3	Chemistry	75	25	100
4	Biology	75	25	100	4	Biology	75	25	100
5	Commercial fruit production and orchard management	30	45	75	5	Commercial vegetable Production And marketing	30	45	75
6	Food crops production and food security	30	45	75	6	Commercial mushroom Production and marketing	20	30	50
7	Participatory agriculture extension and marketing	30	20	50	7	Sustainable integrated nutrient and pest management (SINPM)	30	45	75
Total		415	185	600	Total		405	195	600

Animal Science

S.N	Name Of Subject Grade-XI	Full Marks		Total	S.N.	Name OF Subject Grade-XII	Full Marks		Total
		Theory	Practical				Theory	Practical	
1	English	100	-	100	1	Nepali	100	-	100
1	Physics	75	25	100	2	Physics	75	25	100
3	Chemistry	75	25	100	3	Chemistry	75	25	100
4	Biology	75	25	100	4	Biology	75	25	100
5	Commercial Goat Farming	30	45	75	5	Introductory Meat Science	30	45	75
6	Introduction to Animal Housing	20	30	50	6	Introduction to Livestock Breeding Management	30	45	75
7	Commercial Poultry Farming	30	45	75	7	Applied Animal Nutrition	20	30	50
Total		405	195	600	Total		405	195	600

Computer Engineering

S.N	Name Of Subject Grade-XI	Full Marks		Total	S.N.	Name OF Subject Grade-XII	Full Marks		Total
		Theory	Practical				Theory	Practical	
1	English	100	-	100	1	Nepali	100	-	100
1	Physics	75	25	100	2	Physics	75	25	100
3	Chemistry	75	25	100	3	Chemistry	75	25	100
4	Mathematics	100		100	4	Mathematics	100	-	100
5	Computer Hardware and Architecture	50	50	100	5	Data Communication and Computer Network	50	50	100
6	Computer Programming	50	50	100	6	Web Development and Database	50	50	100
	Total	450	150	600		Total	450	150	600

Civil Engineering

S.N	Name Of Subject Grade-XI	Full Marks		Total	S.N.	Name OF Subject Grade-XII	Full Marks		Total
		Theory	Practical				Theory	Practical	
1	English	100	-	100	1	Nepali	100	-	100
1	Physics	75	25	100	2	Physics	75	25	100
3	Chemistry	75	25	100	3	Chemistry	75	25	100
4	Mathematics	100		100	4	Mathematics	100	-	100
5	Geo-Technical Engineering	75	25	100	5	Structural Analysis & RCC Design	75	25	100
6	Road Construction Material and Testing	25	75	100	6	Maintenance & Rehabilitation of Structures	75	25	100
	Total	450	150	600		Total	500	100	600

Electrical Engineering

S.N	Name Of Subject Grade-XI	Full Marks		Total	S.N.	Name OF Subject Grade-XII	Full Marks		Total
		Theory	Practical				Theory	Practical	
1	English	100	-	100	1	Nepali	100	-	100
1	Physics	75	25	100	2	Physics	75	25	100
3	Chemistry	75	25	100	3	Chemistry	75	25	100
4	Mathematics	100		100	4	Mathematics	100	-	100
5	Electrical Installation of Commercial and Industrial Buildings	50	50	100	5	Operation and Maintenance of Micro hydro Plant and Photovoltaic System	50	50	100
6	Control and Protection of Industrial Power Supply System	50	50	100	6	Repair and Maintenance of Electrical Equipment	50	50	100
	Total	450	150	600		Total	450	150	600

उच्च माध्यमिक शिक्षा परिषद्बाट सञ्चालित प्राविधिक विषय समूहका विषयहरुको परीक्षा सम्बन्धी विनियमहरुको खण्ड 'क' २०५५ को परिच्छेद ११को ४३ को (३)अनुसार सैद्धान्तिकको उत्तीर्णाङ्क र परिच्छेद १३ को ५४को (३) अनुसार प्रयोगात्मकको उत्तीर्णाङ्क तपसिल बमोजिम हुने व्यहोरा सबैमा अनुरोध छ ।

S.N	SUBJECT	Grade XII					Grade XI				
		SUB COD E	TH (FM)	TH (PM)	PR (FM)	PR (PM)	SUB CODE	TH (FM)	TH (PM)	PR (FM)	PR (PM)
1	Computer Hardware and Architecture (Computer Engineering)						354	50	18	50	20
2	Computer Programming (Computer Engineering)						356	50	18	50	20
3	Data Communication & Computer Network (Computer Engineering)	654	50	18	50	20					
4	Web development and database (Computer Engineering)	656	50	18	50	20					
5	Commercial Fruit production and orchard management (Plant Science)						342	30	11	45	18
6	Food crops production and food security (Plant Science)						344	30	11	45	18
7	Participatory agriculture extension and marketing (Plant Science)						346	30	11	20	8
8	Commercial vegetable production & marketing (Plant Science)	642	30	11	45	18					
9	Commercial mushroom production and marketing (Plant Science)	644	20	7	30	12					
10	Sustainable integrated nutrient and pest management (SINPM) (Plant Science)	646	30	11	45	18					
11	Commercial goat farming (Animal Science)						348	30	11	45	18
12	Introduction to animal housing and sanitation (Animal Science)						350	20	7	30	12
13	Commercial poultry farming (Animal Science)						352	30	11	45	18
14	Introductory meat science (Animal Science)	648	30	11	45	18					
15	Introduction to livestock breeding management (Animal Science)	650	30	11	45	18					
16	Applied animal nutrition (Animal Science)	652	20	7	30	12					
17	Electrical Installation of Commercial and industrial buildings (Electrical Engineering)						362	50	18	50	20
18	Control and protection of industrial power supply system (Electrical Engineering)						364	50	18	50	20
19	Operation and maintenance of micro hydro plant and photovoltaic system (Electrical Engineering)	662	50	18	50	20					
20	Repair and maintenance of electrical equipment's (Electrical Engineering)	664	50	18	50	20					
21	Geo-technical Engineering (Civil Engineering)						358	75	27	25	10
22	Road construction material and testing (Civil Engineering)						360	25	9	75	30
23	Structural analysis & RCC design (Civil Engineering)	658	75	27	25	10					
24	Maintenance & rehabilitation of structures (Civil Engineering)	660	75	27	25	10					