

Distribution of Syllabus & Lesson Plan

Name of the Department: ਪੰਜਾਬੀ

Class: ਈ. ਏ. ਭਾਗ ਤੀਜਾ

Name of the Teacher: ਦਲਜੀਤ ਕੜਰ

Subject: ਇਤਿਹਾਸ ਪੰਜਾਬੀ

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January		ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1901-1995 ਈ. ਤੱਕ) ਸਾਹਿਤਕ ਰੂਪ : ਤਿਕਾਮ ਅਤੇ ਦਿਕਾਮ ਕਵਿਤਾ
2	February		ਪੰਜਾਬੀ ਨਾਟਕ :- ਚੈਦਰ ਦੇ ਉਤਸ਼ ਸ਼ੇਖਰ ਦਾ ਜੀਵਨ ਤੇ ਰਚਨਾ (ਦਿਲਾ ਦਮਤ/ ਸਾਹ/ ਨਾਟਕ ਕ੍ਰਮ)
3	March		ਸਾਹਿਤ ਦੇ ਰੂਪ :- ਗਦਾ ਚਿੱਤਰ, ਮਿਸਲਰ, ਮਠਰ ਨਾਮਾ, ਨਿਬੰਧ, ਜੀਵਨੀ, ਡਾਇਰੀ, ਸਵੈ-ਜੀਵਨੀ : (ਪ੍ਰਸਿਠਾ ਅਤੇ ਤੋਂ)
4	April		ਦਿਹਾਗਰ ਆਦਿਠਨਾ :- ਸਿਧਾਂਤਕ ਪੱਖ ਦਿਹਾਗਰ ਆਦਿਠਨਾ :- (ਸੁਮੇਮਈ ਪੰਜਾਬੀ ਕਾਹਿ ਭਾਗ I ਅਤੇ II ਦੇ ਫ਼ਰਮੀ ਦਿੱਠ) ਸਾਹਿ ਸਿਧੇਠ ਦਾ ਅਠਿਠਾਮ।

Daljit Kaur
Signature of the HOD/Teacher

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Subject: ਸ਼ਾਜ਼ਮੀ ਪੰਜਾਬੀ

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January		ਕਾਇ ਗੋਰਦ - ਸੁਖ ਫੁਰੀਦ, ਸਾਹ ਸੁਖਮ, ਗੁਰੂ ਰਾਮਦੇਵ ਦੇਵ ਜੀ ਖ਼ਮੀਸ਼ ਸਾਹਿਤ ਵਿਆਖਿਆ/ਵਿਸ਼ਾ/ ਸਾਰ ਸ਼ੇਖ਼ ਰਚਨਾ ਦਾ ਅਭਿਆਸ
2	February		ਕਾਇ ਗੋਰਦ! - ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ, ਫਾਗਿਸ਼ ਸਾਹ, ਸਾਹ ਸੁਖਮ, ਕਈਆਂ ਦੀ ਕਾਇਗੋਰਦ! ਦੇ ਖ਼ਮੀਸ਼ ਸਾਹਿਤ ਵਿਆਖਿਆ/ਵਿਸ਼ਾ/ਸਾਰ ਆਪ੍ਰਿਤਰ ਸਾਹਿਤ ਰੂਪ! - ਕਾਇਗੋਰ, ਕਾਇਗੋਰ, ਕਾਇਗੋਰ, ਕਾਇਗੋਰ, ਕਾਇਗੋਰ
3	March		ਪਗੜੀਆਂ ਦੇ ਗੀਤ (ਸਫ਼ਰਨਾਮਾ) ਸ਼ੇਖ਼ਰ ਦੇ ਜੀਵਨ ਸਮਾਜਕ ਸਭਿਆਚਾਰ ਪਰਿਪੱਖ, ਸਫ਼ਰਨਾਮੇ ਦੇ ਤੌਰ ਤੇ ਪਰਖ ਸੰਬੰਧੀ ਖ਼ਮੀਸ਼ ਉੱਤਰ
4	April		ਵਿਆਖਿਆ! - ਵਿਆਖਿਆ ਸੁਣੀਆਂ - ਸਿੰਗ ਤੇ ਫੁਲ ਨਾਟ ਫਾਗਿਸ਼ ਤੇ ਵਿਗਿਆ ਫਾਗਿਸ਼ - ਪਗੜੀਆਂ, ਘਟਕ ਤੇ ਵਿਸ਼ਾ ਸਾਰ ਸਿਖੇਖ਼ ਦਾ ਅਭਿਆਸ

Darshit Kaur
Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: ਪੰਜਾਬੀ

Class: ਬੀ. ਕਾਮ ਭਾਗ ਪਹਿਲਾ

Name of the Teacher: ਦਰਸ਼ੀਤ ਕੜਰ

Subject: ਸ਼ਾਜ਼ਮੀ ਪੰਜਾਬੀ

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	ਵੈ ਰੰਗ - ਕਹਾਣੀ ਭਾਗ ਭੂਮਾ, ਬਾਗੀ ਦੀ ਪੀ, ਪੰਮੀ ਦੇ ਤਿਆਰ, ਬਾਗਾਂ ਦਾ ਰਖਾ ਕਹਾਣੀਆਂ ਦੇ ਸਾਹ/ਦਿਸ਼ਾ/ ਸ਼ੇਖਰ ਦੀ ਜੀਵਨੀ
2	February	II ਵਿਸ਼ਾਕਰਣ	ਵੈ ਕੀ ਵਰਦ ਨਾ ਮਾਇਆ, ਪਹੜੀ ਰੋਸ਼ਨਾ ਬੋਸ਼ਦ, ਦੂਜੀ ਵਾਰ ਜੇਬ ਕੱਟੀ ਗਈ, ਪੱਛਮੀ, ਬੁੱਤ ਸਿਕਰ, ਬਸ ਕੋਲਕਟਰ। ਕਹਾਣੀਆਂ ਦੇ ਸਾਹ / ਦਿਸ਼ਾ / ਸ਼ੇਖਰ ਦੀ ਜੀਵਨੀ ਵਿਸ਼ਾਕਰਣ - ਦਰੁਤੀ ਬਿੱਠੀ ਪੱਤਰ ਦਾ ਮਾਭਿਲਾਮ।
3	March	III ਵਿਸ਼ਾਕਰਣ	ਸੰਸਾਰ ਦੀਆਂ ਪ੍ਰਸਿੱਧ ਹਸਤੀਆਂ - ਜੀਵਨੀਆਂ ਦੇ ਦਿਸ਼ਾ / ਨਾਇਰ ਬਿੰਬ ਵਿਸ਼ਾਕਰਣ:- ਸੁਖਦ ਬਹੁਤਰ ਤੇ ਸੁਖਦ ਰਚਨਾ (ਪਹਿਲਾਮਾ, ਬੁੱਢੇ ਸੰਸਾਰ)
4	April	IV	ਸੁਖਦ ਸੁਰੇਣੀਆ - ਨਾਇ, ਪੜਨਾਇ, ਦਿਸ਼ਾਕਰਣ, ਕਿਸਮਾ, ਕਿਸਮਾ ਦਿਸ਼ਾਕਰਣ, ਸੰਬੰਧ, ਸੋਜਰ ਵਿਸ਼ਾਕਰਣ ਸੰਬੰਧੀ ਕਮਰ ਉੱਤਰ ਸੁਗਣੇ ਤੇ ਮਖਾਣੀ ਦਾ ਮਾਭਿਲਾਮ।

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Name of the Department: ਪੰਜਾਬੀ

Class: ਬੀ. ਐਮ. ਸੀ. ਤਾਹ ਪਹਿਲਾ

Name of the Teacher: ਦਰਜੀਤ ਕੌਰ

Subject: ਪ੍ਰਾਜੈਕਟ ਪੰਜਾਬੀ

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	ਦੇ ਰੰਗ - ਕਾਹੀ ਤਾਹ ਭੁਲਾ, ਘਾਗੀ ਦੀ ਧੀ, ਪੇਮੀ ਦੇ ਤਿਆਹੈ, ਘਾਗਾਂ ਦਾ ਗਘਾ ਕਾਹੀਆਂ ਦੇ ਮਾਰ/ਇਕਾ/ ਖੇਖਰ ਦੀ ਜੀਵਨੀ
2	February	II	ਕਾਹੀ) :- ਤੇ ਦੀ ਵਰਦ ਨਾ ਆਇਆ, ਪੜੀ ਤੇਰਾ ਖੇਖਰ, ਵੁਜੀ ਵਾਰ ਜੇਠ ਰੋਟੀ ਗਈ, ਖੱਡਮੀ, ਖੇਤ ਮਿਰਨ, ਘਮ ਕੇਡਕਟਰ। ਕਾਹੀਆਂ ਦੇ ਮਾਰ/ ਇਕਾ/ ਖੇਖਰ ਦੀ ਜੀਵਨੀ। <u>ਟਿੱਠਾਕਰਣ</u> :- ਵਹੁਟੀ ਚਿੱਠੀ ਪੱਤਰ ਦਾ ਅਤਿਆਮ।
3	March	III	ਸੀਮਾਰ ਵੀਆਂ ਖੇਮਿਓ ਹਮਤੀਆਂ :- ਜੀਵਨੀਆਂ ਦੇ ਇਕਾ/ ਨਾਇਰ ਬਿਧ <u>ਟਿੱਠਾਕਰਣ</u> :- ਮੁਘਦ ਵਹੁਟਰ ਤੇ ਮੁਘਦ ਰਚਨਾ (ਪਹਿਰਤਾਕਾ, ਮੁੱਠਮ ਸੀਰਘਪ)
4	April	IV	ਮੁਘਦ ਮੁਹੀਆਂ - ਨਾਇ, ਪਕੁਰਾਇ, ਇਕੇਮਣ, ਕਿਗਿਆ, ਕਿਗਿਆ ਇਕੇਮਣ, ਸੀਖਪਰ, ਪੇਜਰ, ਇਕਮਿਰ ਸੀਖਪੀ ਖੇਮਰ ਉੱਤਰ ਮੁਗਦਰ ਤੇ ਅਘਾਹਾ ਦਾ ਅਤਿਆਮ

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Name of the Department: ਪੰਜਾਬੀ

Class: ਬੀ. ਏ ਤਾਮ ਤੀਜਾ

Name of the Teacher: ਜੀ. ਦਲਜੀਤ ਕੌਰ

Subject: ਇਤਿਹਾਸ ਪੰਜਾਬੀ

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September		ਸ਼ੇਰਸ਼ਾਹੀ ਪੰਜਾਬੀ ਗਾਇ (ਤਾਮ-II) :- (ਸੂਫੀ, ਕਿੱਸਾ ਅਤੇ ਬੀਰ ਗਾਇ) ਸ਼ੇਰਸ਼ਾਹੀ ਸਾਹਿਤ ਵਿਆਖਿਆ
2	October		ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਟਾਕਰੇ - ਸੇਤਮ 'ਤੇ ਤਾਮਕੀ ਤੱਕ (ਪਹਿਲੇ ਦਸ ਨਿਬੰਧ) ਸਾਹਿਤ / ਨਾਇਕ ਬੰਧ / ਟਾਕਰੇ ਸੰਬੰਧੀ
3	November		ਸਾਹਿਤ ਅਤੇ ਉਸ ਅਨੁਸਾਰ ਸਾਹਿਤ ਆਲੋਚਨਾ ਸਾਹਿਤ ਦੇ ਤੱਤ, ਸਾਹਿਤ ਅਤੇ ਸਮਾਜ, ਸਾਹਿਤ ਅਤੇ ਸੁਖਮੀਅਤ, ਸਾਹਿਤ ਅਤੇ ਸਤਿਕਾਰ
4	December		ਛੇਦ :- ਚੋਗਿ, ਸੇਰਠਾ, ਕੀਚੋਂ, ਕੋਰਾ, ਚੋਪਈ, ਸਿਰਖੀਡੀ, ਸੁੱਝੀਆ, ਚੋਂਤ :- ਪਹਿਲਾ ਅਤੇ ਸੁੱਝ ਸਾਰੇ ਸਿਖਿਠਮ ਦਾ ਅਭਿਆਸ

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Name of the Department: ਪੰਜਾਬੀ

Class: ਈ. ਕਾਮ ਤਾਮ ਪਹਿਲਾ

Name of the Teacher: ਦਲਜੀਤ ਕੌਰ

Subject: ਸ਼ਾਜ਼ਮੀ ਪੰਜਾਬੀ

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September		<u>ਕੀੜਾ ਭਾਗ</u> - ਦੋ ਠੰਗ - ਕੀੜਾਵਾਂ ਦੇ ਖੁਸ਼ੀ ਮੀਤ ਵਿਲਾਖਿਆ / ਵਿਸ਼ਾ ਵਸਤੂ / ਪੰਜਾਬੀ ਕੀੜਾ ਦੇ ਪਛਾਣ ਚਿੰਨ
2	October		<u>ਜੀਵਨੀਆਂ</u> - ਸੰਸਾਰ ਦੀਆਂ ਖੋਜ ਰਸਤੀਆਂ - (1-9) ਜੀਵਨੀਆਂ ਦੇ ਸਾਰ / ਵਿਸ਼ਾ-ਵਸਤੂ ਸਾਇਰ-ਬਿੰਬ / ਜੀਵਨੀ ਦੀ ਪਹਿਚਾਣ
3	November		<u>ਵਿਲਾਖਣ</u> :- ਪੰਗ ਰਚਨਾ / ਪੰਗ ਪੜ੍ਹ ਕੇ ਖੁਸ਼ੀ ਦੇ ਉੱਤਰ ਦਾ ਅਭਿਆਸ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਨਿਕਾਸ ਤੇ ਵਿਕਾਸ ਸੰਬੰਧੀ ਖੁਸ਼ੀ ਉੱਤਰ
4	December		ਭਾਸ਼ਾ ਵਰਗੀਆਂ :- ਟਕਸਾਲੀ ਰੂਪ, ਭਾਸ਼ਾ ਤੇ ਉਪਭਾਸ਼ਾ ਵਿੱਚ ਅੰਤਰ ਸਾਰੇ ਸਿਖੇਖਸ ਦਾ ਅਭਿਆਸ

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Name of the Department: ਪੰਜਾਬੀ

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Name of the Teacher: ਦਲਜੀਤ ਕੌਰ

Subject: ਸ਼ਾਸਤਰੀ ਪੰਜਾਬੀ

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	<u>ਰੀਵੀਜ਼ ਭਾਗ</u>	ਦੋ ਠੰਡੇ - ਕੀੜਿਆਂ ਦੇ ਖੰਭੇ ਸਮੇਤ ਵਿਸ਼ਾਖਿਆ / ਵਿਸ਼ਾ ਫਲ / ਪੰਜਾਬੀ ਰੀਵੀਜ਼ ਦੇ ਪਛਾਣ ਚਿੰਨ
2	October	<u>ਜੀਵਨੀਆਂ</u>	ਸੰਸਾਰ ਦੀਆਂ ਖੰਭੇ ਸਮੇਤ - (1-9) ਜੀਵਨੀਆਂ ਦੇ ਸਾਰ / ਵਿਸ਼ਾ/ ਕਾਰ - ਬਿੰਬ / ਜੀਵਨੀ ਦੀ ਪਛਾਣ
3	November	<u>ਵਿਸ਼ਾਕਰਣ</u>	ਪੰਗ ਸੁਚਨਾ / ਪੰਗ ਪੜ੍ਹ ਕੇ ਖੰਭੇ ਦੇ ਉੱਤਰ ਦਾ ਅਭਿਆਸ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਕਾਸ ਤੇ ਵਿਕਾਸ ਸੰਬੰਧੀ ਖੰਭੇ ਉੱਤਰ
4	December		ਭਾਸ਼ਾ ਵਰਤੋਂ - ਟਕਸਾਲੀ ਰੂਪ, ਭਾਸ਼ਾ ਤੇ ਵਿਸ਼ੇਸ਼ ਵਿੱਚ ਅੰਤਰ ਸਾਰੇ ਵਿਸ਼ੇਸ਼ ਦਾ ਅਭਿਆਸ

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Distribution of Syllabus & Lesson Plan

Name of the Department: ਪੰਜਾਬੀ

Class: ਈ. ਏ ਭਾਗ ਤੀਜਾ

Name of the Teacher: ਦੁਸ਼ਮੀਤ ਕੜੋਰ

Subject: ਸ਼ਾਸਤਰੀ ਪੰਜਾਬੀ

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September		ਪੋਹੀ ਪੰਜਾਬੀ ਕਹਾਣੀਆਂ - ਕਹਾਣੀਆਂ ਦਾ ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ
2	October		ਨਾਟਕ - ਦੋਹੇ ਜਮਾਗ ਜੀਵਾ (ਦੁਸ਼ਮੀਤ ਕੜੋਰ ਵਿਵਾਦ) - ਸਾਰ / ਵਿਸ਼ਾ ਵਸਤੂ / ਚਿੱਤਰ ਚਿਤਰ
3	November	ਵਿਸ਼ਾਕਰਣ	ਪੰਗ ਰਚਨਾ ਪੰਜਾਬੀ ਵਿੱਚ ਮਨੁੱਖ ਕਾਰਕ ਤੇ ਕਾਰਕੀ ਰੂਪ ਸੰਬੰਧੀ ਖ਼ੁਸ਼ੀ ਉੱਤਰ
4	December		ਪੰਜਾਬੀ ਪੁਨੀ ਵਿਉਂਤ ਵਾਕਾਤਮਕ ਜੁਗਤਾਂ - ਸੋਧ ਤੇ ਅਧਿਕਾਰ ਸੰਬੰਧੀ ਖ਼ੁਸ਼ੀ ਉੱਤਰ ਸਾਰੇ ਸਿਖੇਖਸ ਦਾ ਮਾਤਿਮਾਮ

Deljit Kaur
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Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A.I

Name of the Teacher: Geeta Rani

Subject: Quantitative Methods for Economists

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	<u>IV</u>	Linear Programming - Formulation, Graphic Method and Simplex method, Formulation of the dual of primal and its interpretation Duality, Shadow Prices, Concept of game- Simple and mixed strategy. Value of game Saddle point solution, Simple applications
2	October	<u>I</u> & <u>II</u>	Functions: Types, Rules of differentiation, Application to revenue, cost, demand, supply functions, Elasticities - Types, Production function, Rules of Partial differentiation, Interpretation, Homogeneous function and Euler's theorem, Maxima and Minima Application in Market equilibrium, Integration: Concept, Rules and Application to consumer surplus
3	November	<u>II</u> & <u>III</u>	Integration: Application to Producer's Surplus Matrix: Concept, Types, Operations, matrix Inversion, Determinants - Properties, Solution of equations through Cramer's rule and Rank of a matrix, Quadratic form, Eigen roots and Eigen vectors, Introduction to input - output analysis,
4	December		Revision

Geeta Rani

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M. A. II

Name of the Teacher: Ms. Geeta Rani

Subject: Operation Research

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I & II	Definition, Significance, scope and limitation of Operation Research, Linear Programming: Assumptions, Graphic, Simplex and two phase Simplex method, Game theory: Pure Strategy and Mixed Strategy, Dominance Method, Two person zero sum games (n) persons zero sum games solution with LPP.
2	October	III	Queuing Models: Characteristics Single channel (Queuing Models): Model I (M/M/I): (FCFS/∞/∞) Model II (M/M/I) 1 (SIRO/∞/∞) Model III (M/M/I) 1 (FCFS/N/∞) Model IV (M/M/I): (FCFS/n/N) Inventory Model, Deterministic and Prob. Demand
3	November	II & IV	Transportation Problems, Assignment Problems, Replacement model of items that deteriorates - Individual and Group replacement Policy, Project Scheduling by PERT and CPM
4	December	IV	Revision of syllabus

Geeta Rani

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.Sc. (Eco.) I (Sem. I)

Name of the Teacher: Geeta Rani

Subject: Quantitative Technique

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	<u>III</u>	Difference between a constant and a variable, Concept of functions, classifications of functions, graph of linear and quadratic functions (Economic applications)
2	October	<u>III</u> or <u>IV</u>	Limits and Continuity of a function, Concept of differentiation (ab-initio principle). Derivatives; Rules of derivatives, functions of functions rule.
3	November	<u>IV</u>	derivatives of Implicit functions, Parametric functions, exponential functions, logarithmic functions. (Application in Economics)
4	December		Revision

Geeta Rani

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Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.Sc (Economics) III (Sem-V)

Name of the Teacher: Geeta Rani

Subject: Quantitative Technique

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	<u>III</u>	Test of Significance based upon distribution of Z Test, t-test, F-test,
2	October	<u>III</u>	Basic concept of null and Alternative Hypothesis, Types of Errors, One tailed and Two tailed tests, Power of Test, Critical Region, Test of Significance based on Chi-Square.
3	November	<u>IV</u>	Analysis of Variance: Introduction Assumption, Techniques, Analysis of one-way and two-way classification
4	December		Revision

Geeta Rani
Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A.I

Name of the Teacher: Ms. Geeta Rani

Subject: Quantitative Methods for Economists - II

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Correlation : Meaning, assumption and Limitation, Pearson's Product moment and Spearman's rank correlation coefficients and their Properties, Regression : Least Square technique and the lines of regression, Standard error of estimate, Partial and Multiple correlation and Regression.
2	February	II	Analysis of Time Series ; Definition, Components Measurement of trend by different methods. Measurement of Seasonal Variations, Non-linear equations - Parabolic, exponential, geometric, modified exponential, Gompertz and logistic, Growth rate and simple properties of time path of continuous variables.
3	March	III & IV	Probability : Definitions, Events, types, Laws of addition and multiplication, Conditional Probability, Bayes's Theorem - Application. Properties of Binomial, Poisson and normal distribution without derivations. Concept of Statistical hypothesis - Null and Alternate, Level of significance Type I and Type-2 errors confidence interval Testing in respect of means and proportion.
4	April	IV	Basic concepts of Sampling - random and non-random sampling; Simple random; Stratified random and p.p.s sampling; Concept of an estimator and its sampling distribution, Random variable, Probability mass and density function, Expectations, moments and moment generating functions,

Geeta Rani
Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.Sc. (Economics) III (Sem. VI)

Name of the Teacher: Geeta Rani

Subject: Quantitative Techniques

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Definition, Scope and Nature of Econometrics, Simple linear Regression Model, - Introduction
2	February	I	Simple linear regression model (OLS Method) Application of OLS method, Assumptions, Sampling distributions of SLRM Gauss Markov Theorem on SLRM
3	March	II	General linear Regression Model, Assumptions, Properties (BLUE) Gauss Markov Theorem on GLRM
4	April	II	Concept of R^2 and \bar{R}^2 Relationship. Test of significance (Stress on Numericals.)

Geeta Rani

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A. II

Name of the Teacher: Geeta Rani

Subject: Industrial Economics

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Framework and Problems of Industrial Economics; Concept and Organization of a firm - ownership, control, objectives, Passive and active behaviour of the firm, Market Structure; Seller's Concentration, Product differentiation, Entry Conditions, Economies of Scale, Theories of Industrial location - Weber and Sargent Florence, Factors affecting location.
2	February	II	Market Conduct: Product Pricing - Theories, Investment expenditure - Methods of evaluation Mergers and Acquisitions, diversification. Market Performance: Growth of the firm - Theory and evidence, Constraints on firm's growth, Productivity, efficiency and capacity utilization - Concept and measurement including evidence from Indian economy
3	March	III	Industrial Policy in India - evolution and paradigm shift, Recent trends, MNC's transfer of technology and issues related with TRIMS, Privatization and globalization, Regional industrial growth and concentration in India and dispersal policy; Remedial measures, Issues in Industrial proliferation and environmental preservation.
4	April	IV	Project Appraisal: Cost benefit analysis - Net Present Value (NPV) and internal rate of return (IRR) Criteria - balancing Private and Social returns. Industrial Labour: Structure, Globalization and Labour; Exit Policy and Safety nets.

Geeta Rani

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.Sc. (Economics) II (Sem-IV)

Name of the Teacher: Geeta Kaur

Subject: Quantitative Techniques

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Multiple Linear Regression: Concepts, Estimation and Applications (Without derivations) of Partial and Multiple Correlation.
2	February	I & II	Non-linear Regression; Quadratic and Exponential; Estimation of Fitting of Various Growth curves (Modified Exponential, Gompertz and Logistic) Moments, Moments elementary treatment
3	March	II	Probability: Definition, Additive & Multiplicative Laws and their Applications, Bayes Theorem, Concept of Random Variable, Probability Mass function & Density function,
4	April	II	Mathematical Expectation (meaning and Properties)

Geeta Kaur
Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Punjab

Class: B.AJ

Name of the Teacher: Harshman Kaur

Subject: Punjab

Session/Year: (Odd Semester) 2022-23

Sr. No.	Month	Unit	Lesson Plan
1	Sept		ਸੰਸਾਰ ਦੀਆਂ ਪ੍ਰਕਿਰਿਆਵਾਂ - (1-9) ਜੀਵੀਆਂ ਪੌਸ਼ਣ ਸਰੋਤਾਂ / ਪੌਸ਼ਣ ਪਦਾਰਥਾਂ ਦੇ ਸਰੋਤ
2	October		ਵੈਟੋ - (1-10) ਵੈਟੋ ਦੀ ਪ੍ਰਕਿਰਿਆ ਸਮੇਤ ਵਿਆਖਿਆ / ਵਿਸਥਾਰ <u>ਕੈਮਬਰੀਅਮ</u> ਤੋਂ ਉਪਰਲਾ ਵਿੱਚ ਮੌਤ - Q/A
3	November		ਉਪਰਲਾ ਦੀ ਪੈਡੋਲੋਜੀ / ਟਰਾਂਸਪੋਰਟ ਤੋਂ ਪਹਿਲਾਂ / ਪੌਸ਼ਣੀ ਤੋਂ ਪਹਿਲਾਂ ਦੀ ਸਿਰਜਣਾ ਤੇ ਵਿਵਸਥਾ
4			



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Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Punjabi

Class: B. Com III

Name of the Teacher: Harsimran Kaur

Subject: G. P. 3

Session/Year: (Odd Semester) 2022-23

Sr. No.	Month	Unit	Lesson Plan
1	September		ਜੁਝਾਰੀ ਖ਼ਾਸੀ ਕਾਹੀਲਾ - (1-10) ਮਹਾਂ ਪਿਠਾ
2	October		ਮਾਏ - ਏਹੁ ਅਠਾ ਜੀਠੀ ਮਹਾਂ ਪਿਠਾ / ਚਠੀ ਖ਼ਾਸੀ ਪਿਠੇ ਮੁਠਾਣ / ਚਠੀ ਕੁਚਲੀ
3	November		<u>ਪਿਠਾਕਾ</u> - ਚੁਕੀ ਪਿਠੀ, ਰਾਗ, ਟਰਾਫ਼ਾ ਜੁਗੁਠੀ - ਮੁਠੇ ਮਾਏਕੇ ਅ/ਅ Revision
4			

HS

Distribution of Syllabus & Lesson Plan

Name of the Department: Punjabi

Class: B.A II (Elective) TD Sem

Name of the Teacher: Harimran Kaur

Subject: Elective Punjabi

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	Sept		ਸ਼੍ਰੋਮਣੀ ਯਜਮਾਣੀ ਗਾਇ - ਗਾਥਾ ਥਾਈ / ਗੁਰਠਾਈ ਗਾਠਾਠਾਂ ਦੇ ਯੁਕਤੀ ਸਾਇ ਦਿਸ਼ਾਕਿਸ਼ਾ ।
2	October		ਸ਼੍ਰੋਮਣੀ ਯਜਮਾਣੀ ਗਾਇ - ਗੁਰਠਾਈ - ਯੁਕਤੀ ਸਾਇ ਦਿਸ਼ਾਕਿਸ਼ਾ । ਯਜਮਾਣੀ ਗਾਈ ਦੀ ਸਾਗਰ (1-7) ਗਾਈਠਾਂ ਸਾਠ / ਦਿਸ਼ਾ
3	November		ਯਜਮਾਣੀ ਗਾਈ ਦੀ ਸਾਗਰ (7-14) ਸਾਠ / ਦਿਸ਼ਾ ਸੁਖ ਸਾਇਠ - ਖਿਠ, ਯੁਕਤੀ, ਯਾਗ ਸਿਠਿਠ, ਯੁਕਤੀ ਠਾਠ, ਮਾਠਾਠ, ਦਿਸ਼ਾਠ, ਗਾਠ ਗਾਠ
4			ਦਾਗ, ਮੀਠਾਠ, ਗਾਈ. ਸਿਠਾ ਸਾਇਠੀ & ਠਾਠ. Revision.


Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: *Punjabi*

Class: *B.A.U*

Name of the Teacher: *Harjinder Kaur*

Subject: *E. Pb*

Session/Year: *2022-23* (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	<i>September</i>		<i>ਆਪ੍ਰਿਤ ਅਜਿਬੀ ਟਾਕਰ - (1-10) ਸਾਹ ਫਿਕਾ ਫਾਸ</i>
2	<i>October</i>		<i>ਆਪ੍ਰਿਤ ਅਜਿਬੀ ਫਿਰਾਂਗੀ (1-7) ਸਾਹ ਫਿਕਾ ਯਾਕ ਸੁੰਧ ਰਹੇ ਫਿਕੇ</i>
3	<i>November</i>		<i>ਸੰਖਿਤ ਰਚਾ - ਫੁਰਦੰ ਸਿਰਫ਼ੇ ਟਾਰੀ, ਭਾਬੰ, ਫਰ, ਫੁਪਫਰ ਸੰਖਿਤੀ & / ਫਾ</i>
4			

HJK
Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Pwysk.....

Class: B.A II.....

Name of the Teacher: Harimran Kaur.....

Subject: L.P. II.....

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January		ਸ੍ਰੀਸੀਤੀ - ਮੇਰੀ ਸੀਤੀ ਗਾਥਾ ਨਾਇਕ ਪੇਸ਼ / ਸ੍ਰੀਸੀਤੀ ਪਾਠ
2	Feb		ਟਮਬਰ - ਕਾਠ ਸਭ / ਪਿੰਗ /
3	March		ਦੇਵ ਰਚਨਾ, ਵਿਸਤਾਰ (ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ) ਸ਼ਾਬਦਿਕ ਵਿਖੀ ਦੀ ਪੇਸ਼ਕਾਰੀ
4	April		ਸ਼ਾਬਦਿਕ ਵਿਖੀ ਦੀ ਪੇਸ਼ਕਾਰੀ & L.P. Revision

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Distribution of Syllabus & Lesson Plan

Name of the Department: Punjabi

Class: B.A (H) Sem 4th

Name of the Teacher: Harsimran Kaur

Subject: Elective Punjabi

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January		<p>ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਵਿਕਾਸ - ਸਾਹਿਤ ਰੂਪਾਂ ਦਾ ਵਿਕਾਸ (ਕਿਸਮਤ ਵਿਰਾਮ) ਸਾਹਿਤ ਦੇ ਵੱਖ-ਵੱਖ ਯੁਗਾਂ ਸੰਬੰਧੀ Q/A</p>
2	Feb		<p>ਮਹਿਮਾਦੀ ਪੰਜਾਬੀ ਸਾਹਿਤ (ਕਿਸਮਤ ਵਿਰਾਮ) ਵਿਸ਼ਾ ਸਮਾਂ ਟਾਕਰ ਸੰਬੰਧੀ</p>
3	March		<p>ਦੋ ਸੁਖਦੀ ਸੰਗੀਤ ਦੀ ਸੁਖਾਰੀ । ਵਿਸ਼ਾ ਸੰਬੰਧੀ ਸਾਹਿਤ ।</p>
4	April		<p>ਪੰਜਾਬੀ ਗੀਤ - ਕਿਸਮਤ ਵਿਰਾਮ ਗੁਰਮੁਖੀ ਵਿਸ਼ਾ : ਕਿਸਮਤ ਵਿਰਾਮ ਸੰਬੰਧੀ Q/A</p>



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Distribution of Syllabus & Lesson Plan

Name of the Department: Punjabi

Class: B.A.J

Name of the Teacher: Harekumar Kaur

Subject: E.Phi

Session/Year: (Even Semester) 2022-23

Sr. No.	Month	Unit	Lesson Plan
1		January	ਸੰਸਾਰ ਦੀਆਂ ਖੂਬੀਆਂ ਸਮਝੀਆਂ - (10-12) ਜਲਦੀਆਂ
2		Feb	ਦੋ ਸੰਗ - ਵਗਈ ਭਾਗ (1-10) ਵਗਈਆਂ ਦੇ ਸਭ/ਪਿਠਾ
3		March	ਸੁਖਰੋ ਵਧਣ ਤੇ ਸੁਖਰੋ ਚਲਣਾ - ਮੁਕੰਮਲ ਮੁਕੰਮਲ ਮੁਕੰਮਲ ਦੁਹਰੀ ਚਿੱਠੀ ਮੁਕੰ
4		April	ਸਮਝ/ਮੁਕੰਮਲ ਸੁਖਰੋ ਸੁਖਰੋ ਸੁਖਰੋ & /ਮੁ Revision


Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Punjab

Class: B. Com IV

Name of the Teacher: Harjinder Kaur

Subject: E. Pbi°

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January		ਸਾਹਿ ਸੰਗ੍ਰਹ - (1-6) ਸੰਵਿਧਾਨ ਦੇ ਮੁੱਢਲੇ ਸਿੱਧਾਂਤਾਂ ਦਿਖਾਉਣਾ / ਮਠ ਪੰਜਾ
2	Feb		ਯੁੱਧ ਦੇ ਸੰਗ੍ਰਹ - ਸਫਲਤਾ ਸਫਲਤਾ ਦੇ ਤੌਰ ਤੇ ਯੁੱਧ / ਯੁੱਧ
3	March		ਸਿੰਗ - ਫਲ, ਨਾਂ ਦੇ ਫਲ, ਸਿੰਗ ਫਲ Q Ans
4	April		ਰਿਵ. ਸਫਲ Revision


Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala
Distribution of Syllabus & Lesson Plan

Name of the Department:-- Zoology

Class: - B.Sc 1st Year (Semester 2nd)

Name of the Teacher:- Mrs. Anita Manocha

Subject: -- Ecology -Paper -A

Session/Year: - (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	1	Scope of Ecology , Ecosystem, Ecological Factors Tests
2	February	II	Biogeochemical cycles, Concept of Limiting Factors, Ecological Adaptations Tests
3	March	III	Populations, Interactions. Biotic Community, Tests
4	April	IV	Natural Resources, Environmental Issues Tests

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: -- Zoology

Class: -- B.Sc 1st Year (1st Semester)

Name of the Teacher: -- Mrs. Anita Manocha

Subject: -- Cell Biology – Paper-A

Session/Year:-- (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	I	Microscopy, Fixation and Fixatives ,Staining Techniques Tests
2	September	II	Structure and Functions of Plasma Membrane, Endoplasmic Reticulum, Mitochondria Tests
3	October	III	Structure and Functions of Golgi Apparatus, Ribosomes , Lysosomes, Centrosome Tests
4	November	IV	Structure and Functions of Nucleus, Cancer, Cellular Basis of Immunity Tests

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala
Distribution of Syllabus & Lesson Plan

Name of the Department:-- Zoology

Class: - B.Sc IInd Year (Semester 4th)

Name of the Teacher:- Mrs. Anita Manocha

Subject: -- BIOCHEMISTRY –Paper –A

Session/Year: (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	1	Biochemistry & its scope, Carbohydrates, Proteins, Lipids, Nucelic acids Tests
2	February	II	Enzymes, Co-enzymes, Beta oxidation of Fatty acids, Ketosis Tests
3	March	III	Carbohydrate Metabolism Tests
4	April	IV	Protein Metabolism Tests

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: -- Zoology

Class: -- B.Sc IInd Year (Semester 3rd)

Name of the Teacher: -- Mrs. Anita Manocha

Subject: -- Biodiversity -Paper -B

Session/Year:-- (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	I	External Features & Affinities of Herdmania, Type study of Amphioxus Tests
2	September	II	External Characters of Petromyzon, Affinities of Cyclostomata, Type Study of Labeo Tests
3	October	III	Type Study of Frog, Uromastix Tests
4	November	IV	Type Study of Pigeon, Rat Tests

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala
Distribution of Syllabus & Lesson Plan

Name of the Department:-- Zoology

Class: - B.Sc IInd Year (Semester 4th)

Name of the Teacher:- Mrs. Anita Manocha

Subject: -- Animal Physiology -Paper -B

Session/Year: (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	1	Digestion, Respiration Tests
2	February	II	Heart, Blood, Excretion Tests
3	March	III	Muscles, Neural Integration Tests
4	April	IV	Physiology of Behavior, Endocrine System Tests

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: -- Zoology

Class: -- B.Sc IInd Year (Semester 3rd)

Name of the Teacher: -- Mrs. Anita Manocha

Subject: -- Evolution -Paper -A

Session/Year:-- (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	I	Evidences of Organic Evolution, Theories of Organic Evolution Tests
2	September	II	Origin of Life, Micro, Macro and Mega Evolution, Concept of Species & Speciation Tests
3	October	III	Fossils, Evolutionary Rates, Origin & Extinction of Reptiles, Evolution of Man Tests
4	November	IV	Migration & Parental Care in Fishes, Flight Adaptations, Bird Migration, Adaptive Radiations Tests

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala
Distribution of Syllabus & Lesson Plan

Name of the Department:-- Zoology

Class: - B.Sc IIIrd Year (Semester 6th)

Name of the Teacher:- Mrs. Anita Manocha

Subject: -- Medical Zoology -Paper -A

Session/Year: (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	1	Introduction to Parasitology, Pathogenic Microbes, Epidemic Diseases Tests
2	February	II	Pathogenic Protozoans, Pathogenic Helminthes Tests
3	March	III	Arthropod Vectors of Human Diseases Tests
4	April	IV	Human Defense Mechanisms, Antibodies, Antigens Tests

Signature of the HOD/Teacher

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: -- Zoology

Class: -- B.Sc IIIrd Year (Semester 5th)

Name of the Teacher: -- Mrs. Anita Manocha

Subject: -- Genetics-Paper -B

Session/Year:-- (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	I	Modifications of Mendelian Ratios, Multiple Alleles, Multiple Factors, Linkage, Crossing Over Tests
2	September	II	Genes & Genetic Code, Replication & Transcription of DNA, Expression of Gene Tests
3	October	III	Mutations, Regulation of Gene Expression, Extra Nuclear Inheritance Tests
4	November	IV	Population Genetics, Genetic Recombination in Bacteria, Applied Genetics Tests

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA Sem-I Name of the Teacher: Preet Kamal Kaur

Subject: Applied and Discrete Mathematics

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	A	Sets and Relations: Definition of sets, subsets, complement of a set, universal set, intersection and union of sets, De-Morgan's laws, Cartesian products, Equivalent sets, Countable and uncountable sets, minset, Partitions of sets, Relations: Basic definitions, graphs of relations, properties of relations
2	September	B	Logic and Propositional Calculus: Proposition and Compound Propositions, basic Logical Operations, Propositions and Truth Tables, Tautologies and Contradictions, Logical Equivalence, Duality law, Algebra of propositions, Conditional and Bi conditional Statements, Arguments, Logical Implication, Propositional Functions, Predicates and Quantifiers, Negation of Quantified Statements, Inference theory of the predicates calculus.
3	October	C	Boolean Algebra: Boolean algebra and its duality, Duality, Boolean Algebra as Lattices, Boolean identities, sub-algebra, Representation Theorem, Sum-of-Products Form for Sets, Sum of-Products Form for Boolean Algebra, Minimal Boolean Expressions, Prime Implicants, Boolean Functions, Karnaugh Maps.
4	November	D	Matrices: Introduction of a Matrix, its different kinds, matrix addition and scalar multiplication, multiplication of matrices, transpose etc. Square matrices, inverse and rank of a square matrix, Matrix Inversion method.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA Sem-III Name of the Teacher: Preet Kamal Kaur

Subject: Computer Architecture

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	A	Information Representation: Register Transfer Language, Various Registers, Implementing Common Bus Using Multiplexers: Logical; Arithmetic & Shift Micro – operations. Basic Computer Design Instruction Codes, Computer Instructions, Timing Signals, Instruction Cycle, Design of a Basic Computer.
2	September	B	CPU Design General Register Organization, Stack Organized CPU, Instruction Formats, Addressing Modes, Program Control, Hardwired & Microprogrammed (Wilhe’s Design) Control Unit, RISC and CISC Characteristics.
3	October	C	Memory Organization Memory Hierarchy, Designs & Concepts of Main Memory, Auxiliary Memory, Associative Memory, Cache and Virtual Memory.
4	November	D	I/O Organization I/O Interface, Modes of Transfer, Program Interrupt, DMA & I/O Processor. Pipeline & Vector Processing Introduction to Parallel Processing and Pipelining, SISD, SIMD & MISD, MIMD Machines.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA Sem-V Name of the Teacher: Preet Kamal Kaur

Subject: Operating System

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	A	Introduction: Definition, Early Systems, Simple Batch system, Multi programmed Batch. Time Sharing Systems, Personal Computer System, Parallel Systems, Distributed Systems, Real-time Systems. Processes: Process concepts, Process Scheduling, Threads. CPU–Scheduling: Basic concepts, Scheduling Criteria, Scheduling Algorithms, Algorithm Evaluation.
2	September	B	Process Synchronization: Critical – section problem, semaphores, classical problem of synchronization. Memory Management: Background, Logical v/s Physical address space, swapping, continuous allocation, paging, segmentation.
3	October	C	Virtual Memory: Background, demand paging, performance of demand paging, page replacement, page replacement algorithms, thrashing. Secondary Storage Structures: Disk structures, Disk scheduling, Disk Reliability.
4	November	D	Deadlocks: System Model, Deadlock characterization, methods for handing deadlocks, Deadlocks Prevention, Deadlock avoidance, Deadlock detection, Recovery from deadlock, combined approach to deadlock handling.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: PGDCA Name of the Teacher: Preet Kamal Kaur

Subject: Fundamentals of Computer & Operating Systems

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	A	Fundamentals of Computer: Introduction to computer, Applications of computer, Components of computers, Input-output devices (key boards, mouse, track ball, light pen, cards, printers, plotters, scanners), Secondary storage devices (floppy disk, magnetic disk, Winchester disk, optical disk) Types of software, Translators (compiler, interpreter, assembler), Introduction to data communication and network. Introduction to Windows Vista: Parts of window screen (Desktop, window, icons), start menu, Taskbar settings, application & document window, anatomy of a window (Title bar, minimize, maximize button, control box, scroll bars, scroll buttons, scroll boxes), Window explorer (expansion, collapsing of directory tree, copying, moving, deleting files, folder, creating folders), About desktop icons (recycle bin, my computer, network neighborhood, briefcase), folder, shortcut creation, setting of screen saver, color settings, wallpaper, changing window appearance.
2	September	B	Disk Operating System: Meaning of operating system, its functions, batch systems, real systems, multi programming, multitasking, single, multi user systems. Define dos, Structure of Ms-Dos (description of booting files, steps to boot the system), hot & cold booting internal command (cls, dir, date, time, vol, ver, copy con, type, ren, del, md, rd, d, path, prompt), external commands edit, attrib, backup, restore, chkdsk, diskcopy, dskcomp, deltree, edit, format.
3	October	C	Introduction to Unix: Explain the features of Unix system. Structure of Unix (Kernel, shell), Unix file system (data blocks, list, superblock, bootblock), Types of files (ordinary files, directory, special files) Types of users (0-2), simple commands (cat, ls, ln, chmod, mail, who, who am I, cal, pwd, date, ps, mkdir, cd, rmdir, rm, tput, clear).
4	November	D	Piping, filters, batch processing, shell programming (Echo, read, case constructs). VI editor (opening it, inserting, modifying, deleting, saving files). Types of shells (bourne, c, r shell. Login & logout of unix session).

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: M.A. (Eco.) Ist. Sem Name of the Teacher: Preet Kamal Kaur

Subject: Computer Applications for Economists

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	August	A,B	Introduction to Computers: What is Computer and its applications? Computer Organization: Input/output unit, memory unit, control unit. Input Unit: (Input devices and functions: Keyboard, Joystick, Mouse, Light Pen, MagneticTape, Magnetic Disks, Floppy Disk, OMR (Optical Mark Reader), Optical Character Reader(OCR), Punch Cards. Output Unit: (Output devices and functions: Visual Display Unit (Monitor), LCD and LED,Plotters, Printers, CTD. Data Representation: Introduction to Number System: Binary system, Octal number system, Hexadecimal number system, And Decimal number system. Converting from one number to another number: Converting to binary from octal, convertingto octal from binary, converting to decimal from binary, octal, hexadecimal, converting to binary from hexadecimal, converting to hexadecimal from binary. Floating Point Arithmetic: Addition, Substraction, Multiplication, Division of Floating Point.
2	September	C	MS Word: Overview, Creating, Saving, Importing, Exporting and Inserting Files, Formatting pages, Paragraphs and Sections, Indents and Outdents, Creating lists and numbering,Heading,Styles, Fonts and font size, Editing, Positioning and Viewing texts, Finding and replacing text,Inserting page breaks, Page numbers, Book marks, Symbols and dates using tabs and tables,Header, footer and printing. MS Excel: Worksheet Overview, Entering information, Worksheet Creation, Opening and Saving, Workbook, Formatting numbers and texts, Protecting cells, Producing Charts and Printing Operations.
3	October	D	Introduction to 'C' Language: 'C' character set, data types; Constants and variables, assignment statement; Expression. Input-Output Statement: Scanf, printf, Library functions.Control structures; Decision making and Loop statements.
4	November	D	Use of Arrays, String and String functions.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA Sem-II Name of the Teacher: Preet Kamal Kaur

Subject: INTRODUCTION TO PROGRAMMING - C++

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	Programming Paradigms: Introduction to the object oriented approach towards programming by discussing Traditional, Structured Programming methodology. Objects & Classes: Object Definition, Instance, Encapsulation, Data Hiding, Abstraction, Inheritance, Messages, Method, Polymorphism, Classes, Candidate & Abstract Classes to be examples of the Design process.
2	February	B	Object Oriented Programming using C++: Characteristics of OOP, Overview of C++, I/O using cout and cin, Objects and Classes, Member functions and data, private & public, constructor & destructor, Constructor Overloading, Types of Constructors.
3	March	C	Function Overloading: Function Overloading, Default Arguments, Ambiguity in Function Overloading. Operator Overloading: Overloading unary and binary operators, Type Conversion using Operator Overloading
4	April	D	Inheritance: Concept of inheritance, Base & derived classes, Access Specifiers, Class Hierarchies, Types of Inheritance with examples. Virtual Functions and Polymorphism: Virtual functions, friend functions, static function, this pointer, polymorphism, Types of Polymorphism with examples, templates, class templates.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA Sem-IV Name of the Teacher: Preet Kamal Kaur

Subject: DATA STRUCTURES AND FILE PROCESSING

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	Basic Data Structures: Introduction to elementary Data Organization and operations, complexity of Algorithms and Time space trade off, Arrays, Stacks, Queues, Linked Lists.
2	February	B	Trees Binary Trees & Binary Search Trees. Graphs and Algorithms to manipulate them. Searching Techniques: Linear and Binary Search.
3	March	C	Sorting Techniques: Bubble Sort, Selection Sort, Insertion Sort, Quick Sort, Merge Sort, Heap Sort.
4	April	D	File Organization: Concept of field, record, file, blocking and compaction. File Organization Techniques: Sequential, indexed, indexed sequential, Direct, Hashing. Concept of master and transaction files.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA Sem-VI Name of the Teacher: Preet Kamal Kaur

Subject: **COMPUTER NETWORKS**

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	Introduction: Network Definition, Basic Components of a Network, Network types and topologies, Uses of Computer Networks. Transmission Media: Coaxial cable, twisted pair cable, fiber optics & satellites. OSI reference model, TCP/IP reference model, comparison of OSI and TCP reference model.
2	February	B	Introduction to Analog and Digital Transmission: Telephone system, Modems, Types of modems, pulse code modulation. Transmission & Switching: Multiplexing, circuit switching, packet switching, hybrid switching.
3	March	C	Local Area Network Protocols: CSMA Protocols, IEEE standards 802, Token Bus, Token Ring. Data Link Layer Design Issues: Services provided to Network layer, Framing, error control, flow control, link management. Error detection & correction, Elementary Datalink Protocols. Design Issues of Network Layer: Services provided to transport layer, routing, connection, internet & World Wide Web.
4	April	D	Network Security and Privacy: Brief Introduction to Cryptography. Network Services: File transfer, Access & Management, Electronic Mail, Remote login

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: PGDCA Name of the Teacher: Preet Kamal Kaur

Subject: Network Concepts and Management (Hardware, Software, Setting In Linux/Unix/Nt Environment) (Paper-I)

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	Introduction: Network H/W and Software requirement~ Network topologies, OSI reference model, and TCP/IP model.
2	February	A,B	Design Issues: ISDN, ATM, Routers, hub, switches Network security: Data compression techniques, cryptography, IP addressing schemes. NT administration: Account policies, creating a user account, group membership, administration of share throughServer manager. Primary Domain controller, backup, domain controller.
3	March	C	Unix: Network Operating System: Architecture, Shell, Kernel & File System
4	April	D	Introduction to Linux: Comparative study of NT server, Unix and Linux.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: M.Com IVth Sem Name of the Teacher: Preet Kamal Kaur

Subject: E-Commerce

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	Introduction to E Commerce and Definition, E-Commerce based activities, Goals of E- Commerce, Functions, Advantages and disadvantages of E-Commerce, Scope of E-Commerce, Framework of E-Commerce, Electronic Commerce and Electronic Business
2	February	B	Electronic business models: B2B, B2C, C2C, C2B. Web sites as market place. Pure online vs. brick and click business; Assessing requirement for an online business designing, developing and deploying the system. Operations of E Commerce: Online-payment mechanism; Electronic Payment systems; payment Gateways; Visitors to website; Tools for promoting websites; Risk management options for e - payment systems.
3	March	C	Security and Legal Aspects of E-Commerce: Threats in E-Commerce, Security of Clients and Service-Provider; Cyber Laws - Relevant provisions of Information Technology Act 2000, offences, secure electronic records and digital signatures penalties and adjudication.
4	April	D	E-Business Applications & Strategies: Business Models & Revenue Models over Internet, Emerging Trends in e-Business, e-Governance, Digital Commerce, Mobile Commerce, Strategies for Business over Web, Internet based Business Models. e-Marketing, e-CRM, e-SCM, e-Procurement

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: PGDCA Name of the Teacher: Amita

Subject: PC-II (Adobe Photoshop 5.5)

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	A, B	Photoshop 5.5 Introduction to Graphics, Vector Graphics & Bitmaps Understanding Image Size & resolution, Relation between resolution, File sizes & output Using menu & Palettes. Concept of Path (Segment, Anchor, Curved, Closed, Open, Subpath), Photoshop Tools (Pen, Pencil, Brush, History, Air, Eraser, Rubber stamp, Smudge, Dodge, Burn, Sponge), Masks & Histogram. Acquiring & Importing Images, Concept of Layers Channels & Path, Filters, Rendering Effects, Transformation, Strokes, Image Modes, Canvas & Images. Using navigator & PhotoShop plugins.
2	October	B	Corel Draw-9 Concepts of vector graphics. Color palate, Pasteboard, & Print Page Giving effects, (Envelope, Adding Perspective, Contours, and Blending Image.)
3	November	C	Corel Draw-9 Using ruler unit's etc... Corel Tools (Pick, Shape, Knife, Eraser, Zoom, Freehand, Natural Pen, Dimensions, Ellipse, Polygon etc.). Corel Draw-9 Transformations, Trimming, Welding,
4	December	D	Intersection of Objects, Snapping, Using Object Manager.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: PGDCA Name of the Teacher: Amita

Subject: Database Management System through Oracle-10g & System Analysis & Design (Paper-IV)

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	A,B	Basic Concepts: An overview of Database Management, (database, database system, why database, data independence). An architecture for a database system (levels of the architecture, mapping, DBA), Introduction to Relational database systems. Relational Model: Domain and relations, Relational data integrity System Analysis and Design: System development life cycle, System development tools.
2	October	B,C	ORACLE 10g: SQL. *PLUS Introduction to Oracle 10g SQL- DDL, DML, DCL Join methods & Sub query, Union, Intersection, Minus, Tree Walking Built in Functions, Views,
3	November	C,D	Security amongst users, Sequences, Indexing, Object Oriented Features of Oracle 10g PL/SQL Introduction to PL/SQL Cursors- Implicit & Explicit Procedures, Functions & Packages
4	December	D	Database Triggers

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: B.Sc. (CS/ ECO.) 1st Sem Name of the Teacher: Amita

Subject: Computer Fundamental & Pc Software

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	A	Introduction to computer and its uses: milestones in hardware and software. Batch oriented/Online/real time application. Computer as a system: basic concepts: stored programs, functional units and their inter -relation: communication with the computer. Data storage devices and media: primary storage: storage addressed, and capacity, type of memory: secondary storage; magnetic tape - data representation and R/W: magnetic disc, fixed & removable, data representation and R/W, floppy disc drives, Winchester disc drive, conventional disc drives, Data organization, Compact Disc.
2	October	B,C	Input/Output devices: Key-tape/diskette devices, light pen mouse and joystick, source data automation (MICR, OMR, and OCR), screen assisted data entry; portable/hand held terminals for data collection, vision input system. Printed output: Serial, line, page, printers; plotters, visual output; voice response units. Introduction to Windows based operating system and Desktop icons
3	November	D	Introduction to Word, Introduction to Parts of Word Window (Title Bar, Menu Bar, Tool Bar The Ruler, Status Area), Page Setup, Creating New Documents, Saving Documents, Opening an Existing documents, insert a second document into an open document, Editing and formatting in document, Headers and Footers, Spell Checking, Printing document, Creating a Table Using the Table Menu and table formatting, Borders and Shading, Templates and Wizards, Mail Merge MS Power Point: Introduction to MS Power point, Power point elements, Templates, Wizards, Views, Exploring Power Point Menu, Working with Dialog Boxes, Adding Text, Adding Title, Moving Text Area, Resizing Text Boxes, Adding Art, Starting a New Slide, Starting Slide Show, Saving presentation; Printing Slides, Views (View slide sorter view, notes view, outlines view) Formatting and enhancing text formatting,
4	December	D	Creating Graphs (Displaying slide show and adding multi-media)

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: B.Com Sem-I Name of the Teacher: Amita

Subject: Computer Fundamentals

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	A,B	General Features of Computers, Generations of Computer, Workstation, Mainframe Computer and Supercomputers, Computer Applications - Data Processing, Information Processing, Commercial, Office Automation, Industry and Engineering, Healthcare, Education, Graphics and Multimedia.
2	October	C	Computer Memory: primary and secondary memory Secondary storage devices - magnetic and optical media input and output writs - printer, plotter, sconnner-OMR, OCR, MICR, Mouse, Keyboard, Modem.
3	November	D	Computer Software and Hardware-System, Application, Service Software, Machine and Assembly Language, High Level Language, Operating System - Basic, Functions and Types.Fundamentals of DOS, Internal External Commands of DOS,
4	December	D	Batch Files, Booting and its Types.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA IIIrd Sem Name of the Teacher: Amita

Subject: Database Management System

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	A,B	Introduction to Data, Field, Record, File, Database, Database management system. Structure of database system, Advantage and disadvantage, levels of database system, Relational model, hierarchical model, network model, comparison of these models, E-R diagram, different keys used in a relational system, SQL. DBA, responsibilities of DBA, Relational form like 1NF, 2NF, 3NF, BCNF, 4 th NF, 5 th NF,
2	October	B,C	DBTG, concurrency control and its management, protection, security, recovery of database. SQL: Introduction to SQL-DDL, DML, DCL, Join methods & sub query, Union Intersection,
3	November	B,C	Minus, Built in Functions, Views, Security amongst users, Sequences, Indexing Cursors- Implicit & Explicit, Functions & Packages Database Triggers.
4	December	D	Big Data: Introduction to Big Data and Analytics, Introduction to NoSQL.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA Vth Sem Name of the Teacher: Amita

Subject: JAVA Programming Language

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	A,B	JAVA BASICS: Introduction to Java, Features of Java, Structure of a Java Program, primitive data types, keywords, Identifiers, literals, operators and comments. OOPS: Object Oriented concepts Advantage of OOPs, Objects and Classes, Strings: Declaring a string, Immutable string, string comparison, concatenation, substring, string tokenizer. Inheritance: what is inheritance, types of inheritance, static import, Method overloading, method overriding, Runtime polymorphism, super keyword, final keyword
2	October	B,C	Interfaces: Abstract classes, declaring an interface, relationship between classes and interface, interface inheritance, implementing multiple inheritance using interface Packages: what are packages, advantages of using packages, accessing package from another package, subpackaging, running packages by setting path and classpath. Exception Handling: what is exception handling, checked and unchecked exceptions, try-catch, try-multiple catch, try – finally, throw and throws
3	November	C,D	Multithreading: What is a thread, life cycle of a thread, creating a thread ,sleeping a thread , joining a thread , thread priority. Input/Output: File input stream, File output stream, Buffered output stream, Buffered input stream.
4	December	D	Database connectivity: JDBC, JDBC drivers, steps to connect to the database, connectivity with Mysql

Signature of the HOD/Teacher

**Nawab Jassa Singh Ahluwalia Government College,
Kapurthala**

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA VIth Sem Name of the Teacher: Amita

Subject: System Software

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A,B	Introduction to System Software Introduction to System Software and its components Translators, loaders, interpreters, compiler, assemblers Assemblers: Overview of assembly process
2	February	B,C	design of one pass and two assemblers Compilers: Phases of Compilation Process, Lexical Analysis, Parsing, Storage Management Optimization
3	March	C,D	Incremental Compilers, Cross Compilers. Loaders and Linkage Editors: Basic loader functions. Relocation,
4	April	D	program linking, linkage, editors, dynamic linking, Bootstrap loaders

Signature of the HOD/Teacher

**Nawab Jassa Singh Ahluwalia Government College,
Kapurthala**

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA VIth Sem Name of the Teacher: Amita

Subject: Information Systems

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	Fundamental aspects of Information, Capturing of Information, Converting Information to Computer – readable form, source of Information, on–line Information access and capture.
2	February	B	What are systems? Information Systems? Categories of Information Systems, Development Life Cycle of Information system.
3	March	C	Various types of information systems: Transaction processing systems, office Automation systems, MIS and decision support system.
4	April	D	Case studies of the Information System: Accounting Information systems, Inventory control systems & Marketing systems.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: PGDCA Name of the Teacher: Sukhdeep Singh

Subject: E-Commerce (Paper-IV)

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	<p>E-Commerce: Its definition, aims, processes, tools and results, EDI, VANs and Internet as Promoters. Types of E-Commerce, Commerce-net</p> <p>Steps to Start E-Commerce. H/W & S/W Requirements, Steps involved in opening your own online business.</p> <p>EDI:-EDI vs Traditional Systems, EDI enabled procurement process, components of EDI system, EDI implementation issues.</p>
2	February	B	<p>Concerns for E-Commerce Growth: Basic challenges to E-Commerce. Technological, Legal and regulators heads, Internet bandwidth & Technological issues.</p> <p>NII: Technical issues Standards & services GIL. Issues that confront us in relation to securing electronic transactions. Implementation of digital signatures. Authentication Mechanisms. Electronic cash, its elements, legal issues, risks, paper document versus Electronic document. Laws for E-Commerce legal issues for internet commerce</p>
3	March	C	<p>Re-Engineering for Changer: Business process re-engineering BPR, methodology, Planning Methods for change to EC/EDI.</p> <p>Case Studies: To demonstrate usefulness of E-Commerce in various business areas Banks, Reservations, E-Governance, Supply-chain, management, manufacturing, retailing and online publishing</p>
4	April	D	<p>E-Commerce in India:-EDI service providers in India, EDI projects in the government regulatory agencies. The Internet in India, laws for E-Commerce in India.</p>

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: PGDCA Name of the Teacher: Sukhdeep Singh

Subject: Introduction to Scripting Languages, Web Designing and Uses of Internet
(Paper-III)

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	HTML:- Structure of HTML, Tags, Character Entities Limitations of HTML
2	February	A,B	HTML Hyperlinks, Frames, Tables, Lists, Forms, Features, Creating a Web Site using Wizard, One / Two / Three Column Body, Front Page Window. Front Page 2000:- Various Toolbars of Front Page, Adding Clip Art, Thumbnails, resampling an Image,, Various Toolbars of Front Page, Adding Clip Art, Thumbnails, resampling an Image
3	March	B,C	Beveling & Cropping an Image, Creating Bookmarks, Adding an E-mail Hyperlink, Tables, Marquee, Counter, banner, Hover Buttons, Creating a Web Page Using a Template, Themes, Forms. Internet & its Use:- Types of Internet Connectivity, World Wide Web, E-mail, Telnet, File Transfer Protocol, IRC,Virtual Reality, Web Publishing, Web Hosting, Cyber Crime
4	April	D	Types of Cyber Crimes, Cookies, Virus, Trojan Horse, Worm, Danger of Virus.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA 2ND SEM Name of the Teacher: Sukhdeep Singh

Subject: Principles of Digital Electronics

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	Number System: Introduction, number conversion system , binary arithmetic, representation of signed binary numbers, 1's and 2's complement, Codes: straight binary code, BCD Code Excess3 Code, Grey Code ASCII, Integer and floating point representation
2	February	A,B	Logic Gates and Boolean Algebra: Logic gates, Universal Gates, Boolean algebra and Minimization techniques, canonical forms of Boolean expressions, K-Map
3	March	B,C	Combinational Circuits: Adder, Subtractor, Multiplexer, Demultiplexer, Decoder, Encoder Sequential Circuits: Flip-flops, clocks and timers, registers, counter
4	April	D	Introduction, Static and dynamic devices, read only & random access memory chips, PROMS and EPROMS Address selection logic. Read and write control timing diagrams for ICs

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Computer Science

Class: BCA 4TH SEM Name of the Teacher: Sukhdeep Singh

Subject: **INTERNET APPLICATIONS**

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	A	About internet and its working, business use of internet, services offered by internet, Evolution of internet, internet service provider (ISP), windows environment for dial up networking (connecting to internet), internet addressing (DNS) and IP addresses).
2	February	A,B	Advantage and disadvantage, structure of an e-mail message, working of e-mail (sending and receiving messages), managing e-mail (creating new folder, deleting messages, forwarding messages, filtering messages). Internet Protocol: Introduction, file transfer protocol (FTP), Gopher, Telnet, other protocols like HTTP and TCP/IP.
3	March	B,C	Introduction, working of WWW, Web browsing (opening, viewing, saving and printing a web page and bookmark), web designing using HTML, DHTML with programming techniques. About search engine, component of search engine, working of search engine, difference between search engine and web directory.
4	April	D	Introduction, application of intranet, business value of intranet, working of intranet, role of extranet, working of extranet, difference between intranet and extranet.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.Com - III Sem

Name of the Teacher: Manita

Subject: International Business

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I + II	Globalization and its growing importance in world economy. Impact of globalization. Modes of Entry into International business. International Business Environment, National & foreign environments & their Economic, Cultural & political - legal. Global trading environment. Recent trend in goods & services trends in India's foreign trade
2	October	II + III	Commercial policy Instruments - tariff & non-tariff measures: Balance of Payment WTO - its objectives, principles, org structure UNCTAD, world bank, IMF. Regional Eco-co-operation: forms of regional groupings, integration effects among countries in Europe, North America & Asia. International financial system & institutions foreign exchange markets & risk mgmt
3	November	IV +	foreign investments - types and flows foreign investments foreign trade promotion measures & org. in India Special Eco zones (SEZs) 100% export oriented units
4	December		

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

Class:B.A/BSC. - III Sem.....

Name of the Teacher:Mamta.....

Subject:Indian Economy.....

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	<u>I</u>	Nature of Indian Economy, Agriculture in India, causes of Decline in Productivity, sustainable Agricultural growth, Green Revolution, New Agricultural Strategy, WTO & Indian Agriculture industry, Performance & Problems of Industrial Development, Public Sector vs Private Sector.
2	October	<u>II</u> + <u>III</u>	Role of Privatization, Small & Cottage Industries, Latest Industrial Policy, Foreign Trade: Direction and Competition of Exports and Imports since 1991, Recent Foreign Trade Policy, BOP Problem, Foreign Capital and MNC in India
3	November	<u>IV</u>	Features of Pop'n growth in India: Inflation, Unemployment, Poverty and Inequality, Tax structure, Planning objectives, Strategy, Evaluation of planning in India - objectives, Targets, Resources of the latest five year Plan, Role & functions of Niti Aayog.
4	December		


Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

Class:M.A. [E.C.] - III Sem.....

Name of the Teacher:Manita.....

Subject:International Economics-I.....

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I + II	The pure theory of International trade - theories of absolute advantage, comparative advantage and opportunity cost, Modern theory H-O, factor price equalization, Ricardian & Linder theory. Role of dynamic factors i.e changes in tastes, technology & factor endowment
2	October	III + IV	Rybczynski theorem, Immiserizing growth Causes of emergence & measurement of Intra-industry trade & impact of developing economies. Measurement of gains from trade & their distribution: Terms of trade, their uses and limitations: Hypothesis of secular deterioration of TOT: Trade as an engine of Economic growth.
3	November	V	The theory of Interventions (Tariffs, Quotas and non-tariff barriers) Economic effects of tariffs and quotas on national income output, employment, TOT, Income distribution partial & general equilibrium. Nominal, effective & optimum rate of tariffs - their measurement, impact and welfare implications.
4	December		

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A. [E.L.O.] - III sem

Name of the Teacher: Manika

Subject: Agriculture - Economics

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	<u>II</u>	Basic inputs, irrigation, HYV seeds, Mechanization, distribution mechanism of inputs, New agricultural strategy and its impact on employment & income. Food security & international trade.
2	October	<u>II</u> + <u>IV</u>	Food assistance programme. Marketing and prices - Nature of supply and demand for agricultural products, income & price elasticity of demand & supply.
3	November	<u>IV</u>	Agriculture Marketing in India. Agriculture price policy. TOT of wages & industry. Main features of International trade in Agri-products WTO - Subsidies & Indian Agriculture.
4	December		

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: BA/B.Sc. - V Sem

Name of the Teacher: Manita

Subject: Development Economics

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I	Eco development : Meaning & Measurement EIO & Non-EIO factors. Nature of Underdeveloped Characteristics of Underdeveloped Countries. HDS, Sustainable Development. Dualism : Social & Technological. Lewis Model. Unemployment & Disguised Unemployment
2	October	II + III	Models : Classical, Marxian, Schumpeter Harrod-Domar Selow. Rostow theory Balanced Unbalanced. Big Push. Lipenstein theory.
3	November	IV + V	Export promotion & Import Substitution Capital formation, Choice of Technique Role of Planning. Need, objective, Strategy, Types & Problems of Planning.
4	December		

Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

Class:B.A./B.Sc. - IV Sem.....

Name of the Teacher:Mamta.....

Subject:International Economics & Public Finance.....

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Internal and External Trade . Classical and H-O theory . Gains from Trade . Terms of trade Trade & Economic development
2	February	II	Commercial Policy . free Trade Vs. Protection Rationale of a Protectionist policy in less Development area . GATT & WTO Balance of Payments . components, Methods for correcting adverse BOP, Devaluation Rate of Exchange : Meaning & Determination fixed & flexible exchange Rates .
3	March	III	Public finance : Nature , Scope & importance Public Expenditure : Meaning , Principles , Importance , effects of Public Expenditure on Prod ⁿ & Distribution .
4	April	IV	Taxes : Meaning , Classification , features of a Good Taxation system . Canons of Taxation . Incidence and impact of Taxation . Public Debt : Meaning , objectives , importance its Burden .


 Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A [Eco] - II Sem

Name of the Teacher: Manita

Subject: Economics of Labour

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Nature, Scope & Subject matter of labour Eco.: Labour Market: Concept characteristics nature & characteristics and growth of labour markets in India. Theories of labour markets Classical, Neo-classical, Dualistic Market.
2	February	II	Employment & Unemployment - Concept, types & measurement, nature of unemployment in India. Employment policy in 5 years plans. Wages: classical and neo-classical & bargaining theories of wages. Concept of wages - Minimum wage, living wage, fair wages. wages & productivity.
3	March	III	Trade Unions: objectives & functions Trade Unions in India Industrial Relations in India. Industrial disputes - Causes and Extent. Dispute Settlement Machinery in India
4	April	IV	Social Security - Social assistance, social insurance & social security policy in India, labour welfare state policies with resp to labour welfare in India. Labour Market reforms in India Exit policy Second National Commission on Labour Globalization & Labour Market

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: MA [ECO] - IV Sem

Name of the Teacher: Mamta

Subject: Punjab Economy

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Structure of the Economy; Population prob. Unemployment; Physical Infrastructure: Power, Irrigation, Transport, Urbanization
2	February	II	Agriculture: output & cropping pattern, Green Revolution, its impact and implications. Agricultural Diversification: Need, potential and Constraints. Rural credit, Agricultural Marketing. Contract farming: Need, growth & problems
3	March	III	Industrial Development, Pattern, performance and potential, State & Industrial development Recent development in Industrial Policy in Punjab: Disinvestment in Industries; Impact WTO on Punjab's Industrial Development.
4	April	IV	Financial relations b/w Centre & States Recommendations of latest Finance Commission Pattern of devolution of resources from Centre to Punjab. State finances: fiscal crisis in Punjab: causes, impact, solutions.


 Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department:Economica.....

Class:M.A [E.C.] - IV Sem.....

Name of the Teacher:Mamta.....

Subject:International Economics II.....

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	<u>I</u>	Meaning & components of BOP. Ex & disex in BOP. fixed & flexible Exchange Rate. Expenditure - reducing & Expenditure - Switching Policies direct control. Internal & External eq. Exchange rate: theories ppp, Monetary. Portfolio. BOP.
2	February	<u>II</u> + <u>III</u>	Monetary approach, relative merits & demerits of fixed & flexible Exchange rates. forms of Eco Coop: Returns for the emergence of trading blocs. static & dynamic effects of a Custom Union & free Trade Area. SAARC/SAPTA & ASEAN regions. EU, NAFTA.
3	March	<u>III</u> + <u>IV</u>	Multilateralism & WTO. Theory of short-term capital movements & East Asian crisis emerging International Monetary System with special reference of Post-Maastricht developments and developing countries. - Reform of the International Monetary System
4	April	<u>IV</u>	Portfolio and FDI: International Debt crisis. International trade & financial institutions - functions of GATT / WTO UNCTAD / IMF. Need adequacy & determinants of International reserves. Conditionality clause of IMF; World Bank. ADB.


 Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: HINDI

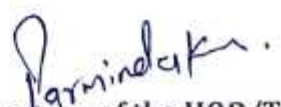
Class: BA: 1st Sem

Name of the Teacher: Parminder Kaur

Subject: HINDI

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	खण्ड-1	काव्य कुसुम कविताओं के पुसंग- व्याख्या, सार
		खण्ड-2	व्याकरण :- संग, सर्वनाम, किरा स्वरोच्चा
2	October	खण्ड-3	अनुवाद - पुरन-उतर / शब्दावली 1. पत्र लेखन 2. आत्म परिचय
3	November	खण्ड-1	कविताओं के पुरन-उतर / कवि परिचय सपुसंग-व्याख्या
4	December	खण्ड-2	व्याकरण अध्यास
		खण्ड-3	अनुवाद :- पुरन उतर अध्यास


Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: HINDI

Class: B.A. IIIrd Sem

Name of the Teacher: Parminder Kaur

Subject: Ele HINDI

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September		<p><u>काव्य उत्कर्ष</u> - पाठ्य पुस्तक - पुसंग सहित व्याख्या / प्रश्न उत्तर</p> <p><u>व्याकरण</u> - स्वर, व्यंजन, परिभाषा, लिङ्ग वचन, प्रश्न-उत्तर / अलंकार</p>
2	October		<p><u>हिन्दी साहित्य का इतिहास</u> - प्रश्न-उत्तर इतिहास, काल विभाजन, परिस्थिति विश्लेषण</p> <p><u>काव्य उत्कर्ष</u> - पुसंग व्याख्या</p>
3	November		<p><u>व्याकरण</u> - संबंधित प्रश्न-उत्तर</p> <p><u>काव्य उत्कर्ष</u> - कवियों और कविताओं से संबंधित प्रश्न-उत्तर</p>
4	December		<p><u>हिन्दी साहित्य का इतिहास</u> - प्रश्न-उत्तर</p> <p><u>आदिकाल</u> - प्रश्न-उत्तर</p>

Signature of the HOD/Teacher

Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Hindi

Class: B.A 5th Sem

Name of the Teacher: Parminder Kaur

Subject: Ele Hindi

Session/Year: 2022-23 (Odd Semester)

No.	Month	Unit	Lesson Plan
	September	2403-1	रश्मि रथी: - पाठ्य पुस्तकें! पुस्तकें - व्याख्या संबंधित प्रश्न-उत्तर / साहित्यिक परिचय
		2403-4	जामनाजी हिन्दी: - प्रश्न उत्तर
	October	2403-2	काव्य प्रसङ्ग - काव्य के लक्ष, प्रकार
		2403-3	ध्वनि - दोहा, सौरभ, लज्जित, जीपडी -
		2403-4	जामनाजी हिन्दी: - प्रश्न उत्तर / परिभाषित शब्दावली
	November	2403-5	हिन्दी साहित्य का इतिहास: - रीतिकाल, परिस्थितियाँ, बीम, काल, सीमा, जामनाजी प्रश्न-उत्तर
	December	2403-1	रश्मि रथी: - पुस्तकें व्याख्या / प्रश्न उत्तर कवि परिचय, साहित्यिक - चित्रण

Signature of the HOD/Teacher
Parminder Kaur

Nawab Jassa Singh Ahluwalia Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Hindi

Class: BA Ist (2nd Sem)

Name of the Teacher: Praminder Kaur

Subject: Hindi

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	Jan	खण्ड (2)	सैद्धांतिकी: समीक्षा पत्रकोत कहानी, शृंखला, निबंध, प्रश्न- उत्तर अभ्यास
2	Feb	खण्ड (1)	प्राथम्य पुस्तक: गद्य द्रव्येणी कहानी, शृंखला, निबंध प्रश्न-उत्तर / गद्यांश कक्षा परीक्षा
3	March	खण्ड (3)	पत्रकारिता संबंधित प्रश्न-उत्तर गद्य द्रव्येणी: कहानी, शृंखला, निबंध प्रश्न-उत्तर गद्यांश कक्षा परीक्षा
4	April		व्याकरण पत्रकारिता प्रश्न-उत्तर कहानी, निबंध कक्षा परीक्षा

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Kinoli

Class: B.A. Ind. (4th Sem)

Name of the Teacher: Parminder Kaur

Subject: Kinoli

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	Jan	खण्ड 1, खण्ड 3	<u>निर्मला!</u> - कहानी, गद्यांश पुरन-उत्तर, लक्ष्य नाटक: उपन्यास, पुरन-उत्तर, व्याकरण परिचय
2	Feb	खण्ड (2)	<u>मिस्टर अकिमन्यु!</u> - सार गद्यांश, पुरन-उत्तर, प्रसंग व्याकरण मुहावरे, लोकोक्तियां, जहाँ परीक्षा
3	March	खण्ड (4)	<u>अधिराज!</u> - पुरन-उत्तर व्याकरण <u>निर्मला!</u> - कहानी संबंधित पुरन- सार उत्तर जहाँ परीक्षा
4	April	खण्ड (5)	<u>व्याकरण</u> संबंधित पुरन-उत्तर नाटक संबंधित पुरन-उत्तर जहाँ परीक्षा


 Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Hindi


Class: B.A. 3rd Year 5th Sem

Name of the Teacher: Parminder Kaur

Subject: Hindi

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	Jan	खण्ड 3 (4)	<p><u>गद्य बहुरंग</u>। पुस्तक - संबंधित (1-5) (वेदनी), संरचना</p> <p>व्याकरण</p> <p>जहाँ परीक्षा</p>
2	Feb	खण्ड 3 (2)	<p>हिन्दी साहित्य का इतिहास। संबंधित <u>आधुनिक काल</u>। पुरन-उतर</p> <p>परिभाषिक शब्दावली, व्याकरण</p> <p>जहाँ परीक्षा</p>
3	March	खण्ड 3 (3)	<p><u>निबंध</u>। राजभाषा एवं राष्ट्र भाषा हिन्दी</p>
		खण्ड 3 (1)	<p><u>गद्य बहुरंग</u>। पुस्तक - संबंधित (6-10)</p>
4	April		<p>लेखक परिचय / पुरन उतर</p> <p>व्याकरण</p> <p>जहाँ परीक्षा</p>


 Signature of the HOD/Teacher:

Distribution of Syllabus and Lesson Plan

Name of the Department: Zoology deptt,N.J.S.A.Govt.College.

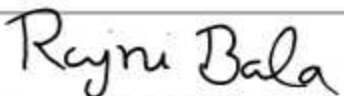
Class: B.Sc. Sem -I (Med)

Name of the Teacher: Rajni Bala

Subject: Zoology (Biodiversity- I)

Semester: Odd semester (2022-23Session)

Sr.No.	Month	Unit/Section	Lesson Plan
1	August	Unit- I	Type study of following animals- Amoeba proteus Paramecium caudatum Plasmodium vivax
2	September	Unit -II	Sycon Obelia
3	October	Unit-III	Fasciola hepatica Taenia solium Larvae of Fasciola & Taenia
4	November	Unit-IV	Ascaris, Parasitic adaptations, Pheretima (Earthworm)


Signature of HOD/Teacher

Distribution of Syllabus and Lesson Plan

Name of the Department: Zoology deptt,N.J.S.A.Govt.College.

Class: B.Sc.Sem- III (Med)

Name of the Teacher: Rajni Bala

Subject: Zoology-III: Evolution

Semester: Odd semester (2022-23 Session)

Sr.No.	Month	Unit/Section	Lesson Plan
1	August	Unit- I	Introduction to evolution Evidences of organic evolution Theories of organic evolution
2	September	Unit -II	Origin of life Concept of micro, macro & mega evolution Concept of species Speciation
3	October	Unit-III	Fossils Evolutionary rate Origin & extinction of reptiles Evolution of man
4	November	Unit-IV	Migration & parental care in pisces, Flight adaptations and Bird migration, Adaptive radiation

Rajni Bala

Distribution of Syllabus and Lesson Plan

Name of the Department: Zoology deptt,N.J.S.A.Govt.College.

Class: B.Sc. Sem - V (med)

Name of the Teacher: Rajni Bala

Subject: Zoology-VA (Developmental Biology)

Semester: Odd semester (2022 -23Session)

Sr.No.	Month	Unit/Section	Lesson Plan
1	August	Unit- I	Gametogenesis Parthenogenesis Fertilization
2	September	Unit -II	Cleavage Gastrulation Determination & Differentiation Tissue interactions
3	October	Unit-III	Development of frog & chick Fate maps of frog & chick Metamorphosis in frog

4	November	Unit-IV	Embryonic development of Rabbit Foetal membranes Mammalian placenta Regeneration, ageing & death
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Rajni Bala

Signature of HOD/Teacher

Distribution of Syllabus and Lesson Plan

Name of the Department: Zoology deptt,N.J.S.A.Govt.College.

Class: B.Sc. Sem - II

Name of the Teacher:Rajni Bala

Subject: Zoology -II B (Biodiversity-II)

Semester : Even (2021-22)

Sr.No.	Month	Unit/Section	Lesson Plan
1	January	Unit - I	Type Study of following animals- Prawn Cockroach Social organization in insects
2	February	Unit -II	Pila Torsion Pearl Formation

3	March	Unit-III	Asterias (Star fish) Study of Echinoderm larvae
4	April	Unit-IV	Balanoglossus (External characters only) Affinities of hemichordates with Non chordates & Chordates

Rajni Bala

Signature of HOD/Teacher

Distribution of Syllabus and Lesson Plan

Name of the Department: Zoology deptt,N.J.S.A.Govt.College.

Class: B.Sc. Sem - IV (med)

Name of the Teacher:Rajni Bala

Subject: Zoology -IV B (Animal physiology)

Semester : Even (2022-23)

Sr.No.	Month	Unit/Section	Lesson Plan
1	January	Unit - I	Digestion Respiration

2	February	Unit -II	Heart Blood Excretion
3	March	Unit-III	Muscles Neural integration
4	April	Unit-IV	Physiology of behavior Endocrine glands

Rajni Bala
Signature of HOD/Teacher

Distribution of Syllabus and Lesson Plan

Name of the Department: Zoology deptt,N.J.S.A.Govt.College.

Class: B.Sc. Sem- VI (Med)

Name of the Teacher:Rajni Bala

Subject: Zoology- VI B: option-I (MLT)

Semester : Even (2022-23)

Sr.No.	Month	Unit/Section	Lesson Plan
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1	January	Unit - I	Antigen & Antibody interactions Vaccines Laboratory techniques
2	February	Unit -II	Clinical samples processing Hematology
3	March	Unit-III	Bacteriology- Sterilization, Culture media & Antibiotic sensitivity
4	April	Unit-IV	Histopathology Biochemistry

Rajni Bala

Signature of HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of Department: PHYSICAL EDUCATION

Class: B.A. III


Name of the Teacher:

Subject: Physical Education

Semester: VI 43.

Lesson plan:

Sr. No.	Month	Unit	Lesson Plan
1	Jan	<u>I</u>	Meaning and importance of Physiology Joints, muscles, their types and movements Therapeutic exercise; their classification and benefits.
2	Feb	<u>II</u>	Tournament Organisation of Camps, picnics and Play day
3	March	<u>III</u>	Effects of Exercises on muscular, respiratory and circulatory system vital capacity and blood pressure.
4	April	<u>IV</u>	Basic components physical fitness Training methods
5	May		

Signature 

Distribution of Syllabus & Lesson Plan

Name of Department: PHYSICAL EDUCATION

Class: B.A. III

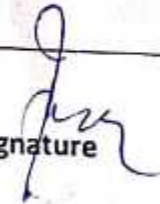
Name of the Teacher: RANJIT KUMAR

Subject: Physical Education

Semester: Vth

Lesson plan -

Sr. No.	Month	Unit	Lesson Plan
1	July	<u>I</u>	Meaning and importance of Recreation. Aim and objectives of Recreation. Intermuscular and Extramuscular Sports is Rural Areas.
2	August	<u>II</u>	Muscular Contractions Law of motion, Lever, Equilibrium, Centre of Gravity, Force and their types
3	September	<u>III</u>	Meaning and types of Posture Postural deformities, spinal and foot Meaning and importance of warming up and cooling down in sports
4	October	<u>IV</u>	Sports training and conditioning warming up and cooling down, recovery - Normal Load, chest load and over load.
5	November		

Signature 

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: MA Eco II (Sem III)

Name of the Teacher: Sandhya Tuli

Subject: Economics of development

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I + II	Economic growth and economic development. HDI, PQLI, obstacles, growth Models Harrod-Domar, Solow, Meade, Joan Robinson, Kaldor, Classical and Marxian theory of development.
2	October	II + III	Schumpeter, stage theory Myrdal theory of circular causation, social and technological dualism, Model of dualistic growth. Big push, Balanced growth.
3	November	III + IV	unbalanced growth, critical minimum efforts low level eqm, Agriculture and economic development Role of Capital formation, Role of foreign investment,
4	December		

Sandhya Tuli
Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: MAT Eco Sem I

Name of the Teacher: Sandhya Tuli

Subject: Macro Economics - I

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I + II	Concept of national income, circular flow of Income, classical and Keynesian Model, Keynes' psychological law of Consumption.
2	October	II + III	absolute income, relative income, lifecycle and permanent income hypothesis. MEC + meI,
3	November	III + IV	The accelerator and investment behaviour. Concept of money, M1 and money multiplier, Control of money supply, Classical and Keynesian approach, Approach of Baumol and Tobin, Friedman and Modern quantity theory.
4	December		

Sandhya Tuli
Signature of the HOD/Teacher

Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: M.A II Eco (Sem III)

Name of the Teacher: Sandhya Suli

Subject: Agriculture Economics

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	Unit I	Production function in agriculture, Input-Input and product-product I's, Intersectoral linkage of agriculture, Model of agricultural development - Lewis,
2	October	Unit I + II	Fei-Ran's, Gorgenson, Mella schultz, Irrigation, HYV seeds, mechanization, New agricultural strategy and its impact on employment.
3	November	Unit II	Food security and International trade, Concept, threat, indicators and mechanism to food security, food assistance programme.
4	December		

Sandhya Suli
Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.A. Sem I

Name of the Teacher: Sandhya Suli

Subject: Micro Economics

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I	definition of economics, Adam Smith, Marshall, Robbins. Nature and scope of economics. Demand function Supply function elasticity of Demand. Utility Analysis, IC, Revealed preference Analysis.
2	October	II + III	Concept of Production function law of Returns to scale, law of variable proportion. Cost: Traditional theory Revenue Curves and their relationship. Perfect Competition, Assumption, price and output determination of firms and Industry in short run and long run.
3	November	III + IV	Monopoly: Assumption, Monopolistic. Factor pricing:- Marginal productivity, Modern theory, Rent: concept, Ricardian theory and modern theory Interest: Concept of Interest, classical loanable funds, profit.
4	December		

Sandhya Suli
Signature of the HOD/Teacher

Wana Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

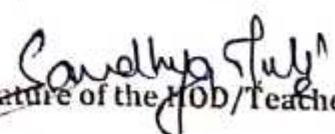
Class: MCom I (Sem I)

Name of the Teacher: Sandhya Tuli

Subject: Managerial Economics

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I	Managerial Economics: Meaning, Nature, scope, Concept, Law of Demand, elasticity of Demand, factor determining elasticity of Demand
2	October	II + III	Marginal Analysis: Law of DMO and Law of EMU. Indifference Curve Analysis. Meaning, types, Short run and Long run Production function Economies and Diseconomies of Scale. Theory of Costs.
3	November	III + IV	Managerial Theories. Meaning, Assumption and Equilibrium of PC, Monopoly, Monopolistic Competition, Oligopoly. National Income, Consumption function. Inflation - meaning, types, Theories, Causes, effects, and control.
4	December		


 Signature of the HOD/Teacher

Gandhawali Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

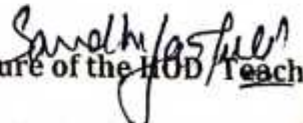
Class: MAT CCO Sem IV

Name of the Teacher: Sandhya Tuli

Subject: Theory of Statistics

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Axiomatic definition, Chebyshev's inequality, derivation of Binomial, Poisson, normal, gamma, beta!
2	February	II	Meaning of sampling distribution desirable properties of point estimators, derivation of main properties of χ^2 , t and F distribution; maximum likelihood estimation.
3	March	III	Basic Concept of hypothesis testing test of significance based upon χ^2 , t and F.
4	April	IV	Non-parametric tests,


 Signature of the HOD/Teacher

Kapurthala Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: MAI (Acc) Sem II

Name of the Teacher: Sandhya Tuli

Subject: Money Banking and Finance

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Money functions, role of money in Socialism, Capitalism, Neutrality of money, Supply of money, Demand for money.
2	February	II	Commercial Banks - systems portfolio behaviour, Insurance Banking, NBFIs, Development banking.
3	March	III	Structure of Commercial Banks, RRB, cooperative Banks, Nationalisation of Banks. Central Banking, Monetary policy: objectives, target, Transmission mechanism, RBI limitation of RBI.
4	April	IV	Rate of Interest: determination, Money and Capital market, Int Rate policy in India.


 Signature of the HOD/Teacher

G. Annawalla Government College, Kapurthala

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: MAI Eco Sem (II)

Name of the Teacher: Sandhya Tuli

Subject: Macro Economics - II

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	The IS-LM Model, Extension of IS-LM model, Relative effectiveness of monetary and fiscal policies.
2	February	II	Theory of Inflation - Classical, Keynesian and Monetarist approaches, Philips Curve - short run and long run, Natural Rate of unemployment hypothesis. Adaptive expectation.
3	March	III	Theories of Schumpeter, Kaldor, Samuelson, Hicks, Lindqvist's Model.
4	April	IV	Mundell - Fleming Model, Monetary Approach to BOP. The new Classical Critique, New Keynesian Approach.

Sandhya Tuli
Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department: Economics

Class: B.A. Ed. Sem II

Name of the Teacher: Sandhya Tuli

Subject: Macro Economics

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	I	Distinction b/w Micro and Macro Economics, determination of income and employment, classical and Keynesian Say's law, Consumption function, static and dynamic multipliers.
2	February	II	Investment: meaning demand Schedules, MEC, Accelerator, Multiplier, trade cycle - meaning Samuelson and Hicks model.
3	March	III	Money: function and role, Money and Capital, Quantity theory of money, Fisher's and Cambridge, liquidity preference theory, definition of Banks, Credit creation and credit control.
4	April	IV	Inflation: Concept, causes and cures, Phillips Contribution, Fiscal policy, Monetary policy.

Sandhya Tuli
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Distribution of Syllabus and Lesson Plan

Name of the Department : Geography


Class : B.A I

Name of the Teacher : SNEH SHARMA

Subject : GEOGRAPHY (Physical Geography)

Semester : I

Sr.No.	Month	Unit/Section	Lesson Plan
1	August	I	Definition Place of Physical geography with in the discipline of geography, division and Physical geo, geomorphology, climatology, oceanography, theories of origin of Earth and, Laplace Joffin, interior of the Earth. Constitution, Structure & ^(composition)
2	September	I II	Continental drift Theory, Plate tectonic theory, Isostasy, Movement of earth (orogenic, epirogenic, land forms (उत्थ, उ०र, अ०र) Mountain building theories, → Fold & Faults, (वतान्त) वान अ०
3	October	III	<u>Rocks</u> - origin, Classification & Characteristics <u>Landforms</u> - mountains, Plateaus, Plains in the world <u>Weathering & Erosion</u>
4	November	IV	<u>Landscapes</u> (Fluvial, Aeolian, Krost, Glacial, Fluvial, volcanic, Coastal) Application to transport land use earthquake disaster & its management


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Distribution of Syllabus and Lesson Plan

Name of the Department : Geography

Class: B.A. I. (II Semester)

Name of the Teacher: SNEH SHARMA

Subject: Geography (climatology & oceanography)

Semester: II

Sr.No.	Month	Unit/Section	Lesson Plan
1	January	I	Definition of climatology - climate & weather climate - Elements & control, physical structure of of the atmosphere and attributes of different layers → Physical & chemical composition of the atmosphere Dust particles, vapour particles, active gases, inert gases.
2	February	I	Insolation & Temperature (full topic) Atmospheric disturbance (cyclone, anticyclone)
		II	Atmospheric moisture (Condensation & fog, Cloud due, Frost, Precipitation,
3	March	II	Climate classification - Atmospheric pollution, Global warming.
		III	Oceanography (Slopes, ocean deep trench.
4	April	III	Temperature and Salinity Waves and currents,
		IV	marine Flora fauna, Corals, store house of resource for the future


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Distribution of Syllabus and Lesson Plan

Name of the Department : Geography

Class: B.A. II (IIIrd Semester)

Name of the Teacher: Sneh Sharma

Subject: Geography (Resource and Environment)

Semester:

Sr.No.	Month	Unit/Section	Lesson Plan
1	August	A.	Meaning Nature and Components of Resource and Environment, Resources and environment interface - Classification of Resource (Renewable and Non-renewable, Biotic (Forests, Livestock, Fisheries, and crops) and abiotic (Soils, water, & Minerals)]
2	September	B.	Distribution and utilization of water, Minerals and Energy Resource. Types, distribution of forests and Fisheries, (Eco. Environment significant, Conservation) Major Soil types, distribution, Problems, soil Erosion & Soil Conservation
3	October	C.	Human Resources, quantitative, qualitative aspects of population. Number, distribution, density, Growth literacy. Urbanisation, Population Resource population - Resource Region of the world.
4	November	D.	Classification of Environment - Natural and Human man- Environment interaction, population size, type of economy & technology. Exploitation of Natural Resource and environment hazards, Population Explosion, food security, deforestation, Conservation of Biodiversity

Distribution of Syllabus and Lesson Plan

Name of the Department : Geography


Class: B.A II (IV Semester)

Name of the Teacher: Sneh Sharma

Subject: Geography (Geography of Punjab)

Semester: IV Semester

Sr.No.	Month	Unit/Section	Lesson Plan
1	January	I	Introduction - location, evolution of the state administrative division. Land: Relief, drainage, climate, soils, vegetation, minerals and power resource
2	February	II	Population of Punjab (Number, distribution, density, growth, Religious composition, Urbanization) Agriculture of Punjab including Green Revolution, irrigation, main crops, Agriculture
3	March	II III	Marketing, live stock, dairying - Problems of Agriculture Industry of Punjab Means of Transportation and Trade of Punjab
4	April	IV	Regional Geography (Magha, Doaba, Malwa)


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Distribution of Syllabus and Lesson Plan

Name of the Department : Geography

Class: B.A. IIIrd year (II semester)

Name of the Teacher: SNEH SHARMA

Subject: Geography (World Regional Geography)

Semester: V

Sr.No.	Month	Unit/Section	Lesson Plan
1	August	A	<u>Anglo America</u> Location, Drainage climate, Physiographic divisions, - Soils & Natural Vegetation - Minerals
2	September	B	- Agricultural crops, Industries - Demographic characteristics - Trade and Transport - Problems and Prospects
3	October	C	<u>Africa</u> : Physiographic division, Drainage climate, Soils and Natural vegetation - Agricultural
4	November	D	- Industry - Demographic characteristics - Trade & Transport - Problems and Aspects


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Distribution of Syllabus and Lesson Plan

Name of the Department : Geography


Class: B.A. IIIrd (VI semester)

Name of the Teacher: SNEH SHARMA

Subject: Geography (Geography of India)

Semester: VI

Sr.No.	Month	Unit/Section	Lesson Plan
1	January	I II	Geography of India in Context of South Asia Asia and the world Relief, Drainage, Climate, Vegetation, Soils Minerals, Power Resource
2	February	II	Population (Number, Density, Growth, Distribution, Urbanization, Religious Composition)
3	March	III	Agriculture characteristics, Land use pattern, Major Crops, Areas of Surplus and deficit food production, Problems of Indian Agriculture
4	April	IV	Industry (Iron steel, Cotton textile, Sugar, Fertilizers, Cement) Transport - Rail, Road, airway & Navigation International Trade.


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Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

Class:B.Sc. (Economics) Sem.-1.....

Name of the Teacher:Ms. Sonia.....

Subject:Quantitative Techniques -I.....

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I	Solution of Linear Equations : Solution of Simultaneous Linear Equations (upto two variable case), Application of Linear Equation in Economics, Solution of Quadratic Equations.
2	October	I	Arithmetic Progression Series and Geometric Progression series and their applications in economics.
3	November	II	Elements of set theory — Union, Intersection, Difference, Symmetric difference, complementation, Venn Diagrams.
4	December	II	Concepts of Combination and Permutation Elements of Analytical Geometry → Straight Line.

Signature of the HOD/Teacher

Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....


Class:B.Sc. (Economics)..... Sem- 3rd

Name of the Teacher:Ms. Sonia.....

Subject:Quantitative Techniques - III

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	III	Matrices : Definition, Types, Addition, Subtraction and multiplication of matrices, Scalar Multiplication, Transposition, Determinants and their Properties.
2	October	III	Minors and Co-factors, Rank of a Matrix, Inverse of a Matrix, Grammer's Rule for solution of Simultaneous system of equations Application of matrices in economics
3	November	II	Integration : Indefinite Integrals, Integration by Partial Fractions, Integration by substitution, Integration by parts, Definite Integrals, Application of Integration - Consumer & Producer Surplus.
4	December		



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Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

Class:B.Sc.....(Economics).....Sem:- 5th

Name of the Teacher:Ms:.....Sonia.....

Subject:Quantitative.....Techniques.....-V

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	II	Sampling Distribution : Derivation of the properties of Z, T Distributions.
2	October	II & I	Derivation of the properties of Chi-square and F Distribution. Basic Concepts of Null and Alternative Hypothesis, Types of Errors, One Tailed and Two Tailed Test.
3	November	I	Statistical Inference : Point & Interval Estimation, Properties of a Good Estimator, Maximum likelihood Method of Estimation, Its applications for Binomial, Poisson & Normal Dist. Power of Test, Critical Region.
4	December		

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Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

Class:M:A (Economics) Sem.-1.....

Name of the Teacher:Ms. Sania.....

Subject:Public Finance.....

Session/Year: 2022-23 (Odd Semester)

Sr. No.	Month	Unit	Lesson Plan
1	September	I	Meaning & Scope of Public Finance, Role of Public Finance in developing countries. Distinction b/w Public, Private & Merit Good. Public Revenue - sources, taxation, tax elasticity & buoyancy, tax capacity & tax effort. Theory of Incidence, equity in taxation, principles of taxation, direct & indirect tax. Effect of Tax
2	October	II III	Theory of Public Expenditure, Structure & Growth of Public Exp, Reasons for the growth in Public Exp, Wagner's law. Effect of Public Exp's Role of Public Exp in developing countries. Public Budget - kinds, programme & zero base budgeting, Different Concept of Budget Deficit
3	November	III IV	Union Govt Budget in India, Public Debt - Classification, significance, burden, principles of Debt management, Public Debt in India. Fiscal Federalism - Theory & Problems, Criteria for resource transfer from Union to State, Centre State Financial Relations, latest Finance Comm. Fiscal Policy - Objectives, Interdependence of monetary & fiscal policies.
4	December		

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Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

Class:B.Sc. (Economics) Sem-2nd.....

Name of the Teacher:Ms. Sonia.....

Subject:Quantitative Techniques - II.....

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	II	Concepts and Measures of Central Tendency : mean, Median and Mode.
2	February	II	Concepts and Measures of Dispersion : Range, Quartile Deviation, Mean Deviation, Standard Deviation.
3	March	I	Statistics : Definition, Scope in Economics, Significance, Limitations. Tabulation and Classification of Data.
4	April	I	Graphical Representation of Data (Pie Chart, Bar Diagram, Histogram, Frequency Polygon, Ogive Curve etc.



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Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

Class:B.Sc. (Economics) Sem - 4th.....

Name of the Teacher:Ms. Sonia.....

Subject:Quantitative Techniques - IV.....

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	III	Derivations of the Properties of Binomial, Poisson Distribution.
2	February	III	Derivations of the properties of Normal, Beta and Gamma Distributions.
3	March	IV	Sampling : Various concepts - Population, Sampling Units, Complete Enumeration, Sample Survey Method. Features of Good Sample. Simple Random Sampling (with/without Replacement), Stratified Random Sampling
4	April	IV	Concept of an Estimator, The Standard Error. Standard Error of Estimates.



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Distribution of Syllabus & Lesson Plan

Name of the Department:Economics.....

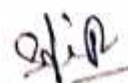
Class:B.Sc. (Economics) Sem - 6th.....

Name of the Teacher:Ms. Sonia.....

Subject:Quantitative Techniques -VI.....

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	<u>IV</u>	Dummy Variable Technique and Its Uses. Dummy Variable Trap
2	February	<u>III</u>	Econometric Problems of Multi-collinearity in the Regression Analysis - Sources, consequences, Test and Remedial Measures
3	March	<u>III</u>	Econometric Problems of Heteroscedasticity - Sources, consequences, Test and Remedial Measures.
		<u>IV</u>	Problems of Auto Correlation - Sources, consequences, Test and Remedial Measures
4	April	<u>IV</u>	Distributed Lag Model and Auto Regressive Model.
		<u>III</u>	Specification Bias.



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Distribution of Syllabus & Lesson Plan

Name of the Department: Economics.....

Class: B.Sc. / B.A. Sem - 6th

Name of the Teacher: Ms. Sonia.....

Subject: Quantitative Methods..... For Economists

Session/Year: 2022-23 (Even Semester)

Sr. No.	Month	Unit	Lesson Plan
1	January	II	Measures of Central Tendency - Mean, median, mode and Geometric Mean.
2	February	II III	Measures of Dispersion. Concept and measure of skewness and kurtosis. Boyle's & Karl Pearson's measure. Simple Correlation & Regression (ungrouped and Grouped Data)
3	March	IV	Price Index Numbers - Weighted & Unweighted Index Numbers, various formulae and consistency Test. Interpolation: Concept & Methods - Binomial, Newton and Lagrange's Mtd (Emphasis on missing values only)
4	April	I	Sets, Relations and Functions, Limits and Continuity, Derivative of Simple Functions only (excluding log & exponential Functions) maxima / minima for single variable. Intro to Matrices - Def, properties & inverse.



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