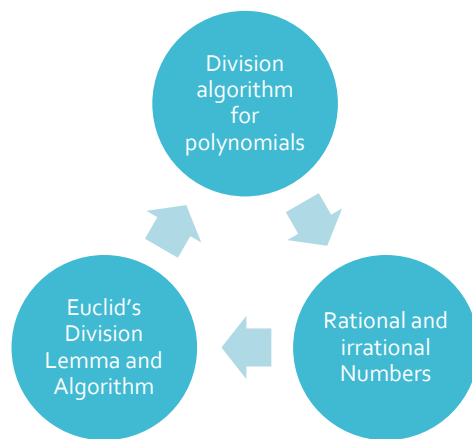Whenever it comes to preparing for the board exam, the students are always asked that from which chapter the number of questions will come in the exam and Bihar School Examination Board Syllabus 2021-22 class 10th student and all the subject including mathematics , science , social science , Hindi ,and English and sanshkrit

BSEB 10th Math Syllabus 2021-22

1. Real Numbers:-10 Marks

   a. *Euclid's Division Lemma and Algorithm*

   b. *Rational and irrational Numbers*

   c. *Fundamental theorem of Arithmetic*

- Division algorithm for polynomials
- Euclid's Division Lemma and Algorithm
- Rational and irrational Numbers

2. Polynomials 20 marks

a. *Zeroes and Coefficients*

b. *Geometric meaning of the zeroes*

c. *Division algorithm for polynomials*

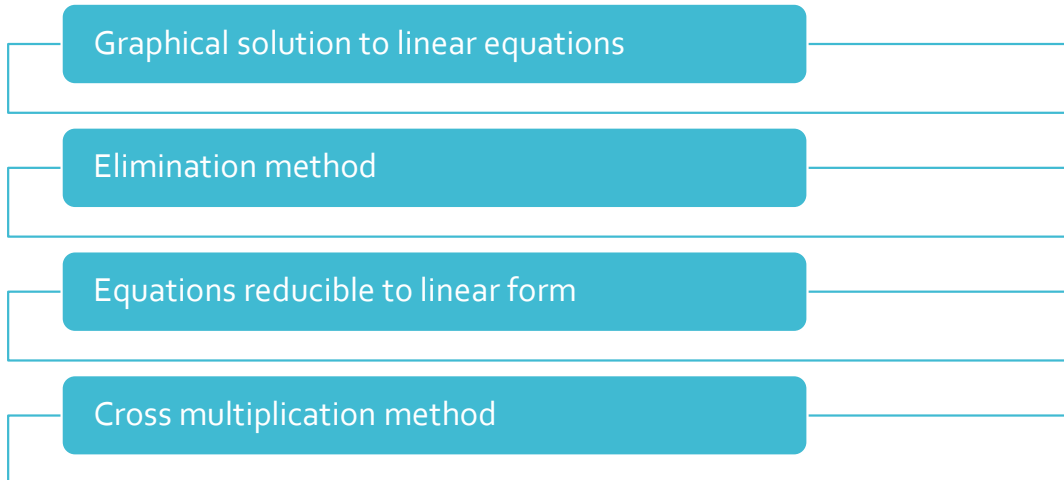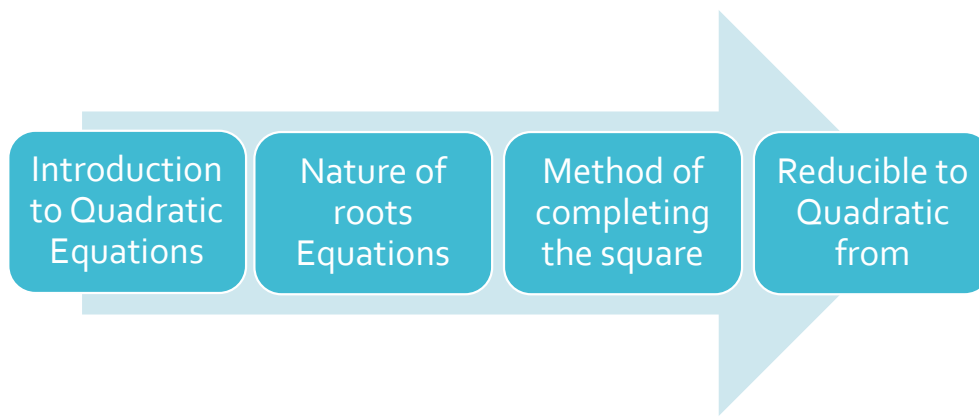| Zeroes and Coefficients	Division algorithm for polynomials	Geometric meaning of the zeroes

A. Linear Equations

i.   Graphical solution to linear equations

ii.   Elimination method

iii.   Cross multiplication method

Iv.   Equations reducible to linear form

> Graphical solution to linear equations

> Elimination method

> Equations reducible to linear form

> Cross multiplication method

B. Quadratic Equations ,

a. *Introduction to Quadratic Equations*

b. *Method of completing the square*

c. *Nature of roots Equations*

d. *Reducible to Quadratic from*

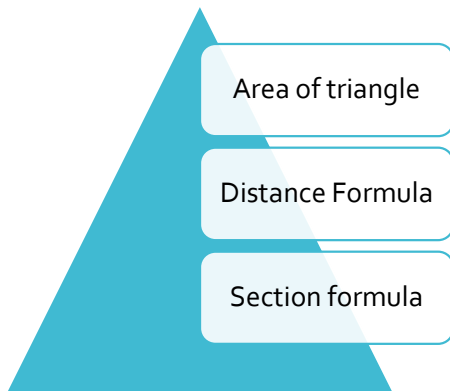| Introduction to Quadratic Equations	Nature of roots Equations	Method of completing the square	Reducible to Quadratic from

C. Arithmetic Progression

Arithmetic progression
•Nth term of A.P
•Sum of n Term of an A.P
•Word problems of A.P
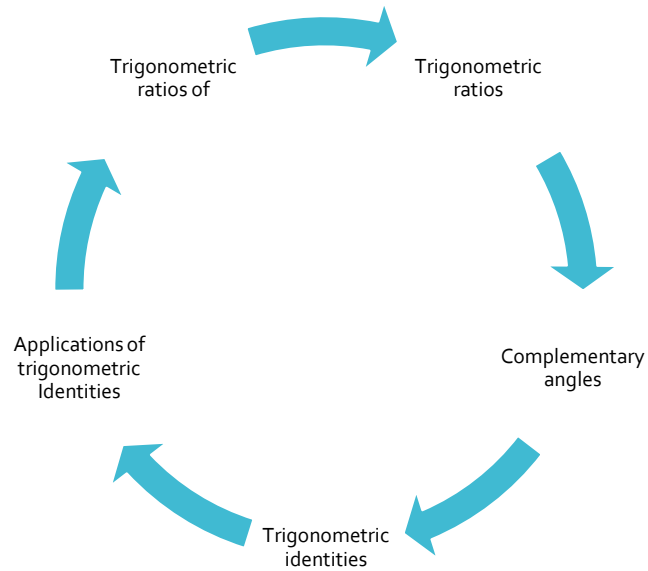•Introduction to arithmetic progression

a. Introduction to arithmetic progression

b. Nth term of A.P

c. Sum of n Term of an A.P

d. Word problems of A.P

3. Coordinate geometry 10 marks

Area of triangle

Distance Formula

Section formula

a. *Area of triangle*

b. *Distance Formula*

c. *Section formula*

4. Introduction Trigonometry , 20 marks

Trigonometric ratios of → Trigonometric ratios

Trigonometric ratios → Complementary angles

Complementary angles → Trigonometric identities

Trigonometric identities → Applications of trigonometric Identities

Applications of trigonometric Identities → Trigonometric ratios of

a. *Trigonometric ratios of*
b. *Trigonometric ratios*
c. *Complementary angles*
d. *Trigonometric identities*
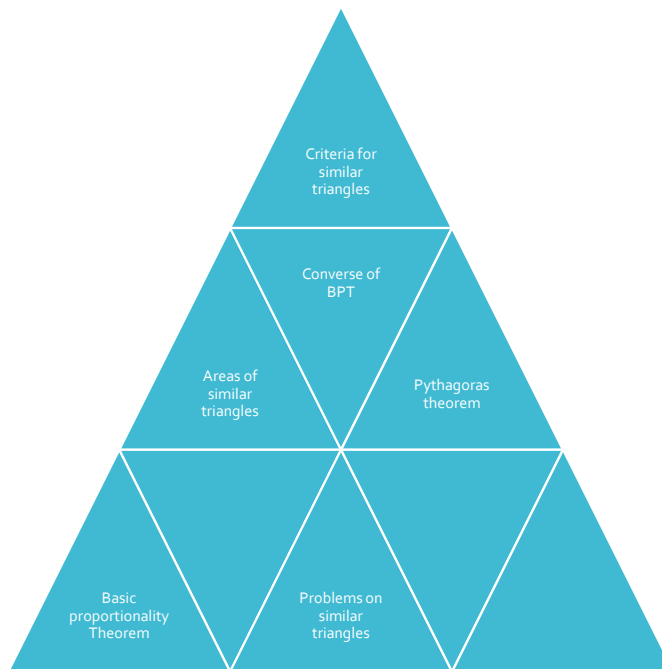e. *Applications of trigonometric Identities*

A. Some Applications of Trigonometry

Introduction to heights and Distances

Applications of heights and distances

a. *Introduction to heights and Distances*
b. *Applications of heights and distances*

5. Triangles   30 marks

a. *Pythagoras theorem*
b. *Basic proportionality Theorem*
c. *Converse of BPT*
d. *Criteria for similar triangles*
e. *Problems on similar triangles*
f. *Areas of similar triangles*

A. Circles

Tangents to a circle

Properties of tangents

a. *Tangents to a circle*
b. *Properties of tangents*

B. Construction

Constructions of similar triangles

Construction of tangents

a. Constructions of similar triangles
b. Construction of tangents

C. Areas Related to Circles

Area of combination of figures

Areas of sectors and segments

Area and circumference of a circle

a. Area and circumference of a circle
b. Areas of sectors and segments
c. Area of combination of figures

D. surface area and volumes

arithmetic mean of grouped data	
mode of grouped data	•cumulative frequency curve
median of grouped data	•relation between central tendencie

a. arithmetic mean of grouped data
b. mode of grouped data
c. median of grouped data
d. relation between central tendencies
e. cumulative frequency curve

6. Statistics 10 marks

| Cumulative frequency curve |
| Median of grouped data |
| Arithmetic mean of grouped data |
| Relation between central tendencies |
| Mode of grouped data |

a. *Arithmetic mean of grouped data*
b. *Mode of grouped data*
c. *Median of grouped data*
d. *Relation between central tendencies*
e. *Cumulative frequency curve*

A. Probability

| Classical approach to probability |
| Applications of probability |

a. *Classical approach to probability*
b. *Applications of probability*

BSEB 10ᵗʰ Science Syllabus 2021-22

Theory Paper :60 Marks

Practicals : 20 Marks

Internal Assessment : 20 Marks

Science Theory Paper: This paper comprises 60 marks.

Science Practical: It consists of 20 marks.

Internal Assessment: It carries 20 marks.

A. **Science Theory Paper:** *This paper comprises 60 marks.*
B. **Science Practical:** *It consists of 20 marks.*
C. **Internal Assessment:** *It carries 20 marks.*

Unit 1: Chemical Compounds=18 Marks

Unit 2: The Living World =16 Marks

Unit 3: How things work= 10 Marks

Unit 4: Natural Phenomena= 08 Marks

Unit 5: Natural Resource =08 Marks

Unit 1: Chemical Compounds=18 Marks

Unit 2: The Living World =16 Marks

Unit 3: How things work= 10 Marks

Unit 4: Natural Phenomena= 08 Marks

Unit 5: Natural Resource=08 Marks

Total   60

BSEB 10th Social Science syllabus 2021-22

History -25 marks

A. *Nationalism in India*
B. *Cities in the contemporary world*
C. *Novels*
D. *Society, and History*
E. *Print culture and modern world*
F. *Rise of nationalism in Europe*
G. *The nationalist movement in indo- china*
H. *Age of industrialization*
I. *The making of global world*

Civics -25 Marks

A. *Federalism*
B. *Power sharing*
C. *Democracy and diversity*
D. *Popular struggles and movement*
E. *Outcomes of democracy*
F. *Gender*
G. *Religion and caste*
H. *Political parties*
I. *Challenges to democracy*

Geography 25 Marks

A. *Forest and wildlife resources*
B. *Agriculture*
C. *Resources and development*
D. *Water resources*
E. *Lifelines of national economy*
F. *Minerals and energy resources*

Economic 22 Marks

A. *India economy and its development*

B. *Money and credit*

C. *Consumer rights*

D. *Globalization and the Indian economy*
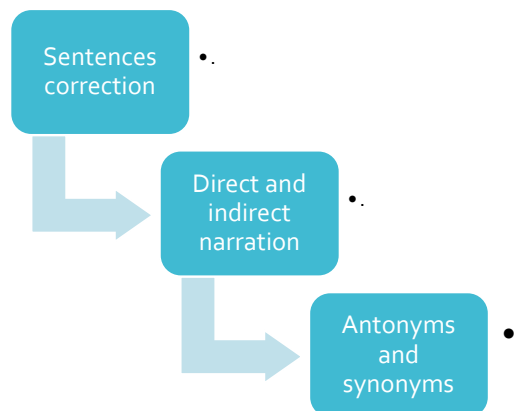
Disaster management 3 marks

BSEB 10th English syllabus 2021-22

English Prose 20 marks

Use words

3 short answer type question

One explanation in 3 different passages question

2 long answer type question

a. *3 short answer type question*

b. *One explanation in 3 different passages question*

c. *Use words*

d. *2 long answer type question*

Grammar   15 Marks

Sentences correction

Direct and indirect narration

Antonyms and synonyms

a. *Sentences correction*

b. *Direct and indirect narration*

c. *Antonyms and synonyms*

Text Book & supplementary text books -50 marks

a. *Question asked from the BSEB 10th textbooks*

Composition

a. *Essay writing / application writing / letter writing*

BSEB 10th Hindi syllabus 2021-22

a. *Unseen Passages 20 Marks*

b. *Writing 15 Marks*

c. *Grammar 15 marks*

d. *Text Book 40 marks*

e. *Supplementary Textbook 10*

Total =100 marks

BSEB 10th Sanskrit Exam pattern

a. *Unseen passages 13 marks*

b. *Writing 15 marks*

c. *Applied Grammar and translation 32*

d. *Textbook Passages 40*

Total =100 marks