

**Shri Manibhai Virani and Smt. Navalben Virani Science College (Autonomous),
Rajkot**

Affiliated to Saurashtra University, Rajkot

Question Paper Blueprint

A. SEE Fundamental Paper – 70 Mark

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value Question Answer (5 Marks)	Descriptive Question (7 Marks)	Total Marks	% Weightage
1	Remembering-Knowledge based (Define, Arrange, Describe, Identify, List, Match, order, select, Name, Tell, Show, Label, Collect, Recall, Examine, Repeat, Tabulate, Quote, Duplicate, Relate, Memorize, Recognize, Reproduce, or State)	4	2	2	28	40
2	Understanding-Comprehension (Interpret, defend, Explain, Summarize, Convert, Distinguish, Estimate, Generalize, give examples, identify, Rewrite, Contrast, Predict, paraphrase, Associate, recognize, review, Discuss, Review, Differentiate, Extend, Classify, Express, Indicate, Locate, Report, Restate, Select or Translate)	4	2	2	28	40
3	Application (Apply, Change, Compute, discover, Employ, Demonstrate, Operate, Show, Use, Solve, Calculate, Complete, Illustrate, Examine, Modify, manipulate, predict, prepare, produce, Relate, Change, Classify, Experiment, Dramatize, Illustrate, Interpret, Operate, use, Practice, Schedule, Sketch or Write,)	2	1	1	14	20
4	Analysis (Identify Parts, Distinguish, Diagrams, appraise, experiment,	-	-	-		

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value Question Answer (5 Marks)	Descriptive Question (7 Marks)	Total Marks	% Weightage
	<p>Outline, select, illustrate, model, point out, Relate or Associate, calculate, Breakdown, criticize, Subdivide, Analyze, Separate, Order, Explain, Classify, Arrange, Divide, Select, Explain, Infer, Calculate, Categorize, Compare, Contrast, Differentiate, Discriminate, Examine, Question, or Test)</p> <p>Synthesis</p> <p>(Arrange, assemble, categorize, collect, combine, comply, compose, construct, create, design, develop, devise, design, explain, formulate, generate, integrate, manage, modify, organize, plan, prepare, propose, rearrange, reconstruct, relate, reorganize, revise, rewrite, set up, summarize, synthesize, tell, write)</p>					
5	<p>Evaluation</p> <p>(Appraise, Criticize, Compare and Contrast, Support, Conclude, Infer, Deduce, Assess, Decide, Rank, Grade, Test, Measure, attach, choose, describe, discriminate, Recommend, explain, justify, interpret, relate, Convince, Select, Support, summarize, Argue, Defend, Estimate, Judge, Predict, Rate, Value or Evaluate)</p>	-	-	-		
	Total	1X10=10	5X5=25	7X5=35	70	100
<p>% Weightage can vary up to ±10% for each K level and accordingly number of questions can be varied.</p>						

B. SEE Fundamental Paper – 60 Mark

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value Question Answer (4 Marks)	Descriptive Question (7 Marks)	Total Marks	% Weightage
1	<p>Remembering-Knowledge based (Define, Arrange, Describe, Identify, List, Match, order, select, Name, Tell, Show, Label, Collect, Recall, Examine, Repeat, Tabulate, Quote, Duplicate, Relate, Memorize, Recognize, Reproduce, or State)</p>	2	2	2	24	40
2	<p>Understanding-Comprehension (Interpret, defend, Explain, Summarize, Convert, Distinguish, Estimate, Generalize, give examples, identify, Rewrite, Contrast, Predict, paraphrase, Associate, recognize, review, Discuss, Review, Differentiate, Extend, Classify, Express, Indicate, Locate, Report, Restate, Select or Translate)</p>	2	2	2	24	40
3	<p>Application (Apply, Change, Compute, discover, Employ, Demonstrate, Operate, Show, Use, Solve, Calculate, Complete, Illustrate, Examine, Modify, manipulate, predict, prepare, produce, Relate, Change, Classify, Experiment, Dramatize, Illustrate, Interpret, Operate, use, Practice, Schedule, Sketch or Write,)</p>	1	1	1	12	20
4	<p>Analysis (Identify Parts, Distinguish, Diagrams, appraise, experiment, Outline, select, illustrate, model, point out, Relate or Associate,</p>	-	-	-		

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value Question Answer (4 Marks)	Descriptive Question (7 Marks)	Total Marks	% Weightage
	<p>calculate, Breakdown, criticize,Subdivide, Analyze, Separate, Order, Explain, Classify, Arrange, Divide, Select, Explain, Infer, Calculate, Categorize, Compare, Contrast, Differentiate, Discriminate, Examine, Question, or Test)</p> <p>Synthesis</p> <p>(Arrange, assemble, categorize, collect, combine, comply, compose, construct, create, design, develop, devise, design, explain, formulate, generate, integrate, manage, modify, organize, plan, prepare, propose, rearrange, reconstruct, relate, reorganize, revise, rewrite, set up, summarize, synthesize, tell, write)</p>					
5	<p>Evaluation</p> <p>(Appraise, Criticize, Compare and Contrast, Support, Conclude, Infer, Deduce, Assess, Decide, Rank, Grade, Test, Measure, attach, choose, describe, discriminate, Recommend, explain, justify, interpret, relate, Convince, Select, Support, summarize, Argue, Defend, Estimate, Judge, Predict, Rate, Value or Evaluate)</p>	-	-	-		
	Total	1X5=5	4X5=20	7X5=35	60	100
<p>% Weightage can vary up to ±10% for each K level and accordingly number of questions can be varied.</p>						

C. SEE Fundamental Paper – 50 Mark

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value Question (3 Marks)	Descriptive Question (6 Marks)	Total Marks	% Weightage
1	Remembering- Knowledge based (Define, Arrange, Describe, Identify, List, Match, order, select, Name, Tell, Show, Label, Collect, Recall, Examine, Repeat, Tabulate, Quote, Duplicate, Relate, Memorize, Recognize, Reproduce, or State)	2	2	2	20	40
2	Understanding- Comprehension (Interpret, defend, Explain, Summarize, Convert, Distinguish, Estimate, Generalize, give examples, identify, Rewrite, Contrast, Predict, paraphrase, Associate, recognize, review, Discuss, Review, Differentiate, Extend, Classify, Express, Indicate, Locate, Report, Restate, Select or Translate)	2	2	2	20	40
3	Application (Apply, Change, Compute, discover, employ, Employ, Demonstrate, Operate, Show, Use, Solve, Calculate, Complete, Illustrate, Examine, Modify, manipulate, predict, prepare, produce, Relate, Change, Classify, Experiment, Dramatize,	1	1	1	10	20

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value Question (3 Marks)	Descriptive Question (6 Marks)	Total Marks	% Weightage
	Illustrate, Interpret, Operate, use, Practice, Schedule, Sketch or Write,)					
4	<p>Analysis (Identify Parts, Distinguish, Diagrams, appraise, experiment, Outline, select, illustrate, model, point out, Relate or Associate, calculate, Breakdown, criticize,Subdivide, Analyze, Separate, Order, Explain, Classify, Arrange, Divide, Select, Explain, Infer, Calculate, Categorize, Compare, Contrast, Differentiate, Discriminate, Examine, Question, or Test)</p> <p>Synthesis (Arrange, assemble, categorize, collect, combine, comply, compose, construct, create, design, develop, devise, design, explain, formulate, generate, integrate, manage, modify, organize, plan, prepare, propose, rearrange, reconstruct, relate, reorganize, revise, rewrite, set up, summarize, synthesize, tell, write)</p>	-	-	-		
5	<p>Evaluation (Appraise, Criticize, Compare and Contrast, Support, Conclude, Infer, Deduce, Assess, Decide,</p>	-	-	-		

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value Question (3 Marks)	Descriptive Question (6 Marks)	Total Marks	% Weightage
	Rank, Grade, Test, Measure, attach, choose, describe, discriminate, Recommend, explain, justify, interpret, relate, Convince, Select, Support, summarize, Argue, Defend, Estimate, Judge, Predict, Rate, Value or Evaluate)					
	Total	1X5=5	3X5=15	6X5=30	50	100
% Weightage can vary up to $\pm 10\%$ for each K level and accordingly number of questions can be varied.						

D. SEE Advanced Paper – 50 Mark

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value based Question (3 Marks)	Descriptive Question (6 Marks)	Total Marks	% Weightage
1	Remembering-Knowledge based (Define, Arrange, Describe, Identify, List, Match, order, select, Name, Tell, Show, Label, Collect, Recall, Examine, Repeat, Tabulate, Quote, Duplicate, Relate, Memorize, Recognize, Reproduce, or State)	1	1	1	10	20
2	Understanding-Comprehension (Interpret, defend, Explain, Summarize, Convert, Distinguish, Estimate, Generalize, give examples, identify, Rewrite, Contrast, Predict, paraphrase, Associate, recognize, review, Discuss, Review, Differentiate, Extend, Classify, Express, Indicate, Locate, Report, Restate, Select or Translate)	2	2	2	20	40
3	Application (Apply, Change, Compute, discover, employ,Employ, Demonstrate, Operate, Show, Use, Solve, Calculate, Complete, Illustrate, Examine, Modify, manipulate, predict, prepare, produce, Relate,	1	1	1	10	20

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value based Question (3 Marks)	Descriptive Question (6 Marks)	Total Marks	% Weightage
	Change, Classify, Experiment, Dramatize, Illustrate, Interpret, Operate, use, Practice, Schedule, Sketch or Write,)					
4	<p>Analysis (Identify Parts, Distinguish, Diagrams, appraise, experiment, Outline, select, illustrate, model, point out, Relate or Associate, calculate, Breakdown, criticize,Subdivide, Analyze, Separate, Order, Explain, Classify, Arrange, Divide, Select, Explain, Infer, Calculate, Categorize, Compare, Contrast, Differentiate, Discriminate, Examine, Question, or Test)</p> <p>Synthesis (Arrange, assemble, categorize, collect, combine, comply, compose, construct, create, design, develop, devise, design, explain, formulate, generate, integrate, manage, modify, organize, plan, prepare, propose, rearrange, reconstruct, relate, reorganize, revise, rewrite, set up, summarize,</p>	1	1	1	10	20

Sr No	Types of Question (K level)	Short Question (1 Marks)	Value based Question (3 Marks)	Descriptive Question (6 Marks)	Total Marks	% Weightage
	synthesize, tell, write)					
5	Evaluation (Appraise, Criticize, Compare and Contrast, Support, Conclude, Infer, Deduce, Assess, Decide, Rank, Grade, Test, Measure, attach, choose, describe, discriminate, Recommend, explain, justify, interpret, relate, Convince, Select, Support, summarize, Argue, Defend, Estimate, Judge, Predict, Rate, Value or Evaluate)	-	-	-		
	Total	1X5=5	3X5=15	6X5=30	50	100
% Weightage can vary up to ±10% for each K level and according number of questions can be varied.						

E. SEE Advanced Paper – 40 Mark

Sr No	Types of Question (K level)	Short Question (2 Marks)	Descriptive Question (6 Marks)	Total Marks	% Weightage
1	Remembering-Knowledge based (Define, Arrange, Describe, Identify, List, Match, order, select, Name, Tell, Show, Label, Collect, Recall, Examine, Repeat, Tabulate, Quote, Duplicate, Relate, Memorize, Recognize, Reproduce, or State)	-	-	-	-
2	Understanding-Comprehension (Interpret, defend, Explain, Summarize, Convert, Distinguish, Estimate, Generalize, give examples, identify, Rewrite, Contrast, Predict, paraphrase, Associate, recognize, review, Discuss, Review, Differentiate, Extend, Classify, Express, Indicate, Locate, Report, Restate, Select or Translate)	1	1	08	20
3	Application (Apply, Change, Compute, discover, employ,Employ, Demonstrate, Operate, Show, Use, Solve, Calculate, Complete, Illustrate, Examine, Modify, manipulate, predict, prepare, produce, Relate, Change, Classify, Experiment, Dramatize, Illustrate, Interpret, Operate, use, Practice, Schedule, Sketch or Write.)	1	1	08	20
4	Analysis (Identify Parts, Distinguish, Diagrams, appraise,	2	2	16	40

	<p>experiment, Outline, select, illustrate, model, point out, Relate or Associate, calculate, Breakdown, criticize,Subdivide, Analyze, Separate, Order, Explain, Classify, Arrange, Divide, Select, Explain, Infer, Calculate, Categorize, Compare, Contrast, Differentiate, Discriminate, Examine, Question, or Test)</p> <p>Synthesis</p> <p>(Arrange, assemble, categorize, collect, combine, comply, compose, construct, create, design, develop, devise, design, explain, formulate, generate, integrate, manage, modify, organize, plan, prepare, propose, rearrange, reconstruct, relate, reorganize, revise, rewrite, set up, summarize, synthesize, tell, write)</p>				
5	<p>Evaluation</p> <p>(Appraise, Criticize, Compare and Contrast, Support, Conclude, Infer, Deduce, Assess, Decide, Rank, Grade, Test, Measure, attach, choose, describe, discriminate, Recommend, explain, justify, interpret, relate, Convince, Select, Support, summarize, Argue, Defend, Estimate, Judge, Predict, Rate, Value or Evaluate)</p>	1	1	08	20
	Total	2X5=10	6X5=30	40	100