



M2 Sets, Relations and Functions Diagnostic Report

Online Students - Paid - Online XI

Test Code : SB-M-02-17 (Set - A)

Dear Yashaswi Agarwal,

This test was designed to check your understanding of **Sets, Relations and Functions**.

Analysis Summary

Batch Rank : 1

All India Rank : 3*

	You	Batch Highest	Batch Average	All India Highest	All India Average
Score	70/80	70	70	75	33
Attempt Rate	100%	100%	100%	100%	77%
Accuracy	90%	90%	90%	95%	62%

In addition to your overall score, you should pay special attention to which questions you got right and wrong. Our assessment grid has been designed to give you a clear pictorial view of your **competence across different learning skills and concepts** covered in the chapter (**Page 2**).

Question-wise mapping of concepts and learning skills is given on **Page 3**, along with the correct answer and your marked option. You can also check the **All India attempt rate and success rate for each question** to understand how you performed on each question.

* All India Rank is calculated on the basis of results obtained till August 8, 2017

Understanding Learning Skills

Recall	Recall or retrieve previously learned information, with minimal concept or calculation involved
Concept Knowledge	Application of a concept taught in class, with minimal problem solving
Problem Solving	More focus on problem solving and calculations
Critical Thinking	Interpreting the question and hidden data successfully, typically involving multiple concepts with complex problem solving






Skill Wise Competence

	No. of Questions	Correct (+4)	Unanswered(0)	Incorrect (-1)	Skill-wise score
Recall	3	2	0	1	7
Concept Knowledge	4	4	0	0	16
Problem Solving	9	9	0	0	36
Critical Thinking	4	3	0	1	11
Total	20	18	0	2	70

Concept Wise Competence

	No. of questions	Correct (+4)	Concept Wise Score
Definition of sets	1	1	4
Subsets	3	3	12
Definition of function	2	2	8
Domain and range of functions	4	4	16
Cartesian product of sets	1	1	4
Graphs of functions	3	2	7
Venn diagrams	2	2	8
Operation on sets	2	1	3
Relation between sets	1	1	4
DeMorgan's Laws	2	2	8
Total	20	18	70

Legend for Question Wise Mapping

	Hard question right ($\leq 50\%$ of students got it right)		Easy question right ($> 50\%$ of students got it right)
	Hard question wrong ($\leq 50\%$ of students got it right)		Easy question wrong ($> 50\%$ of students got it right)
	Unattempted Question		

Question Wise Mapping of Skills and Concepts (Set - A)

Q No.	Skill Level	Concepts Covered	All India Attempt	All India Correct	Right Answer	Your Answer
1	Problem Solving	Venn diagrams	84%	40%	A	A
2	Problem Solving	Subsets	77%	72%	B	B

3	Recall	Graphs of functions	91%	58%	D	D
4	Problem Solving	DeMorgan's Laws	69%	34%	A	A
5	Concept Knowledge	Subsets	75%	14%	A	A
6	Critical Thinking	DeMorgan's Laws	59%	26%	A	A
7	Concept Knowledge	Cartesian product of sets	98%	92%	C	C
8	Problem Solving	Domain and range of functions	77%	53%	C	C
9	Critical Thinking	Domain and range of functions	86%	56%	B	B
10	Problem Solving	Domain and range of functions	60%	33%	D	D
11	Critical Thinking	Operation on sets	69%	54%	B	B
12	Problem Solving	Definition of sets and Subsets	93%	75%	B	B
13	Problem Solving	Definition of function	78%	53%	D	D
14	Problem Solving	Venn diagrams	77%	55%	A	A
15	Recall	Relation between sets	97%	74%	D	D
16	Concept Knowledge	Graphs of functions	66%	24%	C	C
17	Recall	Graphs of functions	74%	31%	B	A
18	Critical Thinking	Operation on sets	79%	25%	C	D
19	Problem Solving	Domain and range of functions	57%	40%	C	C
20	Concept Knowledge	Definition of function	80%	56%	A	A