

11th Class FSC Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	The ordered pairs (4, 5) and (5, 4) are:	A. same B. different C. both a and b D. N
2	Question Image	A. B B. A D. none of these
3	Question Image	A. A B. B
4	Question Image	
5	Question Image	A. 2 B. 4 C. 6 D. 8
6	The identity element in a group is:	A. unique B. infinite C. both a and b D. not possible
7	Question Image	A. p is false and q is true B. both p and q are false C. p is true and q is false D. both p and q are true
8	To draw general conclusions from well-known facts is called:	A. logic B. proposition C. induction D. deduction
9	To draw general conclusions from a limited number of observations is called:	A. logic B. proposition C. induction D. deduction
10	Question Image	A. A B. B
11	Question Image	A. equal sets B. null sets C. overlapping sets D. subsets
12	Question Image	A. A and B are power sets B. A and B are disjoint sets C. A and B are super sets D. A and B are equal sets
13	The conjunction of two statements p and q is denoted by:	
14	Question Image	A. A is superset of B B. B is superset of A C. A is subset of B D. A is equivalent to B
15	The objects in a set are called:	A. elements B. sub-sets C. whole numbers D. overlapping sets
16	$S = \{1, -1, 2, -2\}$ is a group under:	A. multiplication B. subtraction C. addition D. none of these
17	If $A = \{1, 2, 7, 9\}$, $B = \{1, 4, 7, 11\}$:	A. disjoint sets B. equal sets C. overlapping sets D. complementary sets

18	Question Image	
19	A biconditional is written in symbols as:	
20	If set $A = \{1, 2, 3\}$ and $B = \{1, 2, 3\}$ then sets A and B are:	A. not equal B. equal C. disjoint D. overlapping
21	A set having no element is called:	A. null set B. subset C. singleton D. superset
22	If $(x - 2, 2) = (3, 2)$, then:	A. $x = 5$ B. $x = 2$ C. $x = -5$ D. $x = 3$
23	A set can be described by:	A. one way B. two ways C. several ways D. threeways
24	If $n(S) = 3$ then $n\{P(S)\} =$	A. 2 B. 8 C. 16 D. 4
25	If sets A and B are equal then:	
26	A statement which is true for all possible values of the variables involved in it, is called a:	A. tautology B. conditional C. implication D. absurdity
27	$\{2, 4, 6, 8, \dots\}$ represents the set of:	A. positive odd numbers B. natural numbers C. prime numbers D. positive even numbers
28	Question Image	A. a is an element of a set A B. a is subset of A C. a is a whole number D. a contains A
29	If $W = \{0, 1, 2, 3, 4, \dots\}$, $N = \{1, 2, 3, 4, \dots\}$ then $N - W = ?$	A. W B. $\{0\}$ D. none of these
30	A set containing finite number of elements is called:	A. nullset B. superset C. finiteset D. infiniteset
31	If two sets have no element common, they are called:	A. disjoint B. over lapping C. dissimilar D. exhaustive
32	Truth table containing all the values true is called:	A. absurdity B. conjunction C. tautology D. none
33	Question Image	A. set builder notation B. tabular form C. descriptive method D. non-set builder method
34	If a set is described in words, the method is called:	A. tabular form B. descriptiveform C. set builder notation D. non-tabular method
35	$A - B$ is a subset of:	A. A B. B
36	Question Image	
37	A set is defined as:	A. collection of some objects B. well defined collection of some objects C. well defined collection of distinct objects D. none of these
		A. identical objects

38	Distinct objects means:	A. identical B. not identical C. similar D. none of these
39	Inverse of an element in a group is:	A. infinite B. finite C. unique D. not possible
40	Question Image	A. {1, 2, 3} B. {5, 6, 7} C. {4}
41	B - A is a subset of:	A. A B. B
42	A declarative statement which is either true or false but not both is called:	A. logic B. proposition C. induction D. deduction
43	Question Image	
44	Question Image	A. p is false and q is true B. both p and q are false C. p is true and q is false D. both p and q are true
45	A groupoid (S) is called _____ if it is associative in S:	A. group B. abelian-group C. semi-group D. associative-group
46	The disjunction of two statements p and q is denoted by:	
47	Question Image	
48	The number of subsets of a set having three elements is:	A. 2 B. 3 C. 4 D. 8
49	Question Image	
50	Question Image	A. A B. B
51	Question Image	
52	If a set is described by listing its elements within brackets is called:	A. set builder notation B. tabular form C. descriptive method D. none of these
53	Question Image	A. A B. B
54	A compound statement of the form "if p then q" is called an:	A. tautology B. conditional C. consequent D. absurdity