Sets and Functions

Sr	Questions	Answers Choice
1	Which of the following is distributive property intersection over union?	A. $A \cup (B \cup C) = A \cup (B \cup C)$ B. $A \cap (B \cap C) = (A \cap B) \cap C$ C. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ D. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
2	The range of $\{(a,a),(b,b),(c,c)\}$ is	A. $\{a,b\}$ B. $\{a,b,c\}$ C. $\{a\}$ D. $\varnothing$
3	The complement of $\varnothing$ is...........	A. $\cup$ B. $\varnothing$ C. Impossible D. Union
4	A set containing no element is called.	A. subset B. Empty set C. Singleton set D. Super set
5	$O \cup E = $	A. $\varnothing$ B. O C. E D. Z
6	$(A \cup B) \cup C$ is equal to	A. $A \cap (B \cup C)$ B. $(A \cup B) \cap C$<p class="MsoNormal"><!--[endif]--><o:p></o:p></p> C. $A \cup (B \cup C)$ D. $A \cap (B \cap C)$
7	y co-ordinate of every pint on x-axis is.	A. +ve B. -Ve C. zero D. 1
8	$A \cup A^c = $..............	A. $\cup$ B. A C. A^c D. <p class="MsoNormal"><!--[if gte msEquation 12]><m:oMathPara><m:oMath><i style='mso-bidi-font-style:normal'><m:r>∅</m:r></i></m:oMath></m:oMathPara><![endif]--><!--[if !msEquation]--><!--[if gte vml 1]><v:shapetype id="_x0000_t75" coordsize="21600,21600" o:spt="75" o:preferrelative="t" path="m@4@5l@4@11@9@11@9@5xe" filled="f" stroked="f"> <v:stroke joinstyle="miter"/> <v:formulas> <v:f eqn="if lineDrawn pixelLineWidth 0"/> <v:f eqn="sum @0 1 0"/> <v:f eqn="sum 0 0 @1"/> <v:f eqn="prod @2 1 2"/> <v:f eqn="prod @3 21600 pixelWidth"/> <v:f eqn="prod @3 21600 pixelHeight"/> <v:f eqn="sum @0 0 1"/> <v:f eqn="prod @6 1 2"/> <v:f eqn="prod @7 21600 pixelWidth"/> <v:f eqn="sum @8 21600 0"/> <v:f eqn="prod @7 21600 pixelHeight"/> <v:f eqn="sum @10 21600 0"/> </v:formulas> <v:path o:extrusionok="f" gradientshapeok="t" o:connecttype="rect"/> <o:lock v:ext="edit" aspectratio="t"/> </v:shapetype><v:shape id="_x0000_i1025" type="#_x0000_t75" style='width:6.75pt; height:14.25pt'> <v:imagedata src="file:///C:/Users/Softsol/AppData/Local/Temp/msohtmlclip1/01/clip_image001.png" o:title="" chromakey="white"/> </v:shape><![endif]--><!--[if !vml]--><img width="9" height="19" src="file:///C:/Users/Softsol/AppData/Local/Temp/msohtmlclip1/01/clip_image002.png" v:shapes="_x0000_i1025" style="font-family: Calibri, sans-serif; font-size: 11pt;">∅<!--[endif]--><!--[endif]--><o:p></o:p></p>
9	A subset of A x A is called.................. in A.	A. Set B. Relation C. Function D. Info function.
10	If B={1,2,100} and C = {2,100}, then B∩C = _____	A. {1,2} B. {1,2,100} C. {2} D. {2,1}
11	If set a has 3 elements and B has 4 then A x B has _____ elements.	A. 3 B. 4 C. 12 D. 7

12	If set A has all its elements common with set B then set A is called...............set.	A. Sub B. Overlapping C. Disjoint D. Super
13	If number of elements in se A is 3 and in set B is 2, then number or binary relations in A x B is.	A. 3 B. 4 C. 7 D. 12
14	The set having only one element is called.	A. Null set B. Power set C. Singleton set D. Subset
15	The formula of range is:	A. $X_{max} - X_{min}$ B. $X_{max} + X_{min}$ C. groups/wight D. none of these
16	Number of elements in power set of {1,2,3}	A. 4 B. 6 C. 8 D. 9
17	A set with no element is called:	A. Subset B. Empty set C. Singleton set D. Super set
18	The different number of way to describe a set are.	A. 1 B. 2 C. 3 D. 4
19	E - O = ...	A. $\varnothing$ B. O C. E D. Z
20	The relation {(1,2),(2,3),(3,3)(3,4)} is.	A. Onto function B. Into function C. Not a function D. One-One function.