Sets and Functions

Sr	Questions	Answers Choice
1	If f is a function from A to B, then f is onto function if:	A. Range f≠ A B. Range f = B C. Dom f = A D. Second element of all ordered pairs contained in f is not repeated.
2	y co-ordinate of every pint on x-axis is.	A. +ve B. -Ve C. zero D. 1
3	The number of elements of the power set {a,b} are.	A. 1 B. 2 C. 3 D. 4
4	A∪ A^c=.....	A. ∪ B. A C. A^c D. <!--[if gte msEquation 12]><m:oMathPara><m:oMath><m:r>⌀</m:r></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>
5	Sum of the deviations of values x from its mean is always "i.e ∑(x-$\bar{x}$)'is to equal:	A. itself B. zero C. median D. mode
6	If A⊆ B the A∩ B = _____	A. A B. B C. ⌀ D. A∪ B
7	Which of the following is associative law of union?	A. A∪ (B ∪ C) = (A∪ B)∪ C B. A∩ (B∩C)= (A∩B)∩C C. A∪ (B∩ C) = (A∪ B)∩ (A∪ C) D. A∩(B∪ C) = (A∩B)∪(A∩C)
8	The formula of grouped data of the arithmetic mean is:	A. $\bar{X}$ = ∑X/n B. $\bar{X}$ = A + ∑fX/∑X C. $\bar{X}$ = ∑fX/n D. $\bar{X}$ = l +n/f (n/2 - c)
9	x-coordinate of every pint on x-axis is.	A. +ve B. -ve C. zero D. 1
10	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
11	E - O = ...	A. ⌀ B. O C. E D. Z

12	A and $A^c$are.....Set.	A. Universal B. Overlapping C. Disjoint D. Super
13	A collection of well-defined distinct objects is called.	A. subset B. Power set C. Set D. None of these
14	Collection of distinct objects.	A. Subset B. Power set C. Set D. None of the
15	By definition, which of the following is a set?	A. {a,b,c,d} B. {1,2,3,2} C. {l,m,n,o} D. {0,1,2,3,1}
16	The point (4,-6) lies in.....quadrant.	A. I B. II C. III D. IV
17	A collection of well-defined distinct object is called:	A. Subset B. Power set C. Set D. None of these
18	If number of elements in set A is 3 and in set B is 4 then number of elements in AxB is:	A. 3 B. 4 C. 12 D. 7
19	If R= { (a,2),(b,3),(c,3) }, then Dom R = _____	A. {1,2} B. {1,2,3} C. {a,b,c} D. {a,c}
20	If f is a function from A to B, then f is one - one function if:	A. Range f≠ A B. Range f = B C. Dom f = A D. Second element of all ordered pairs contained in f is not repeated.