Time: 10 Minutes	Paper Math 7 (T-2)	Total Marks: 10
1st Month, 4th Week, 1st Day	Ex. 1.10 (Complete)	

Q.No.1. Choose the correct option. (0.75 x 4 = 3) درست آپشن کا انتخاب کریں۔

i) If U={0, 1, 2, 3, ...25 } and D = {15, 16, 18, 21, 24, 25} then D^c = ?

اگر U={0, 1, 2, 3, ...25 } اور D = {15, 16, 18, 21, 24, 25} ہو تو D^c = ؟

(a)	{0, 1, 2,.....14, 17, 19, 20, 22, 23}	(b)	{0, 1, 2,.....14, 17, 21, 22, 23}
(c)	{ }	(d)	None of these ان میں سے کوئی نہیں

ii) If U = {0, 1, 2,..... 25} and C ={2, 4, 6, 8, 14, 16, 18, 24}then $C \cap C^c$ = ?

اگر U = {0, 1, 2,..... 25} اور C ={2, 4, 6, 8, 14, 16, 18, 24} ہو تو $C \cap C^c$ = ؟

(a)	{ }	(b)	{2, 4, 6, 8, 14, 16, 18, 24}
(c)	{1, 3, 5, 7, 9, 11, 13}	(d)	None of these ان میں سے کوئی نہیں

iii) If U={a, b, c, d, e, f } and Y = {d, e} then Y^c=?

اگر U={a, b, c, d, e, f } اور Y = {d, e} ہو تو $Y^{c''}$ = ؟

(a)	{a, b, c}	(b)	{a, b, c, f }
(c)	{d, e }	(d)	{a, b, c, d, e, f }

iv) If U = {1, 2, 3, ...10} and Z = {1, 3, 5, 7}then Z^c = ?

اگر U = {1, 2, 3, ...10} اور Z = {1, 3, 5, 7} ہو تو $Z^{c''''}$ = ؟

(a)	{2, 4, 6, 8, 10 }	(b)	{2, 4, 6, 8, 9, 10}
(c)	{1, 3, 5, 7}	(d)	{1, 2, 3,..... 10}

Q.No.2. Solve the following. (1 x 2 = 2) درج ذیل کو حل کریں۔

If U = {0, 1, 2, 3,.....25} and B = {5, 10, 15, 20, 25} then verify. $B \cup B^c = \cup$

اگر U = {0, 1, 2, 3,.....25} اور B = {5, 10, 15, 20, 25} ہو تو ثابت کریں: $B \cup B^c = \cup$

Q.No.3. If U= {0, 1, 2, 3, ...25} and D = {15, 16, 17, 18, 21, 24, 25}then verify $D \cap D^c = \phi$.

اگر U= {0, 1, 2, 3, ...25} اور D= {15, 16, 17, 18, 21, 24, 25} ہو تو ثابت کریں۔ $D \cap D^c = \phi$

Q.No.4. Verify $(A \cup B)^c = A^c \cap B^c$ and $(A \cap B)^c = A^c \cap B^c$ where U = {1, 2, 3,.....0 25}

A = {1, 7, 9}, B = {2, 4, 7, 9, 12, 15}

ثابت کیں جبکہ U = {1, 2, 3,.....0 25} $(A \cap B)^c = A^C \cup B^C$ اور $(A \cup B)^c = A^c \cap B^c$

A = {1, 7, 9}, B = {2, 4, 7, 9, 12, 15}

1

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1st Month, 4th Week, 1st Day | Ex. 1.10 (Complete)

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(c) { } (d) None of these ان میں سے کوئی نہیں

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(a) {a, b, c} (b) {a, b, c, f }

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اگر U = {1, 2, 3, ...10} اور Z = {1, 3, 5, 7} ہو تو $Z^{c''''}$ = ؟

(a) {2, 4, 6, 8, 10 } (b) {2, 4, 6, 8, 9, 10}

(c) {1, 3, 5, 7} (d) {1, 2, 3,..... 10}

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2