



Bihar Public Service Commission
Exam Date- 22-07-2024
Advt. No. 22/2024, Mathematics, Class 11-12

Final Answer key

Set-E	ANSWER KEY	SET-F	ANSWER KEY	SET-G	ANSWER KEY	SET-H	ANSWER KEY	REMARK
E-1	D	E-3	D	E-4	D	E-7	D	
E-2	C	E-4	A	E-5	B	E-8	C	
E-3	C	E-5	A	E-6	B	E-4	C	
E-4	D	E-1	D	E-7	D	E-5	D	
E-5	C	E-2	A	E-8	B	E-6	C	
E-6	C	E-7	A	E-1	B	E-2	C	
E-7	C	E-8	A	E-2	B	E-3	C	
E-8	E	E-6	E	E-3	E	E-1	E	
H-9	C	H-19	A	H-15	B	H-25	C	
H-10	A	H-20	C	H-16	A	H-26	B	
H-11	D	H-21	D	H-17	D	H-27	D	
H-12	B	H-22	B	H-18	C	H-28	A	
H-13	C	H-23	A	H-19	B	H-29	C	
H-14	E	H-24	E	H-20	E	H-30	E	
H-15	A	H-25	C	H-21	A	H-9	B	
H-16	B	H-26	B	H-22	C	H-10	A	
H-17	B	H-27	B	H-23	C	H-11	A	
H-18	C	H-28	A	H-24	B	H-12	C	
H-19	E	H-29	E	H-25	E	H-13	E	
H-20	B	H-30	B	H-26	C	H-14	A	
H-21	D	H-9	D	H-27	D	H-15	D	
H-22	A	H-10	C	H-28	A	H-16	B	
H-23	C	H-11	A	H-29	B	H-17	C	
H-24	B	H-12	B	H-30	C	H-18	A	
H-25	E	H-13	E	H-9	E	H-19	E	
H-26	A	H-14	C	H-10	A	H-20	B	
H-27	C	H-15	A	H-11	B	H-21	C	अन्य सभी उत्तर अशुद्ध है।
H-28	D	H-16	D	H-12	D	H-22	D	
H-29	B	H-17	B	H-13	C	H-23	A	
H-30	A	H-18	C	H-14	A	H-24	B	
U-9	A	U-19	C	U-15	A	U-25	B	
U-10	B	U-20	B	U-16	C	U-26	A	
U-11	C	U-21	A	U-17	B	U-27	C	
U-12	B	U-22	B	U-18	C	U-28	A	
U-13	E	U-23	E	U-19	E	U-29	E	
U-14	D	U-24	D	U-20	D	U-30	D	
U-15	D	U-25	D	U-21	D	U-9	D	
U-16	B	U-26	B	U-22	C	U-10	A	
U-17	A	U-27	C	U-23	A	U-11	B	
U-18	A	U-28	C	U-24	A	U-12	B	
U-19	D	U-29	D	U-25	D	U-13	D	
U-20	D	U-30	D	U-26	D	U-14	D	
U-21	A	U-9	C	U-27	A	U-15	B	
U-22	C	U-10	A	U-28	B	U-16	C	
U-23	A	U-11	C	U-29	A	U-17	B	
U-24	B	U-12	B	U-30	C	U-18	A	
U-25	C	U-13	A	U-9	B	U-19	C	

Set-E	ANSWER KEY	SET-F	ANSWER KEY	SET-G	ANSWER KEY	SET-H	ANSWER KEY	REMARK
U-26	C	U-14	A	U-10	B	U-20	C	
U-27	A	U-15	C	U-11	A	U-21	B	
U-28	C	U-16	A	U-12	B	U-22	C	
U-29	B	U-17	B	U-13	C	U-23	A	
U-30	A	U-18	C	U-14	A	U-24	B	
B-9	D	B-19	D	B-15	D	B-25	D	
B-10	B	B-20	B	B-16	C	B-26	A	
B-11	B	B-21	B	B-17	C	B-27	A	
B-12	A	B-22	C	B-18	A	B-28	B	
B-13	A	B-23	C	B-19	A	B-29	B	
B-14	C	B-24	A	B-20	B	B-30	C	
B-15	B	B-25	B	B-21	C	B-9	A	
B-16	C	B-26	A	B-22	B	B-10	C	
B-17	C	B-27	A	B-23	B	B-11	C	
B-18	B	B-28	B	B-24	C	B-12	A	
B-19	C	B-29	A	B-25	B	B-13	C	
B-20	B	B-30	B	B-26	C	B-14	A	
B-21	B	B-9	B	B-27	C	B-15	A	
B-22	B	B-10	B	B-28	C	B-16	A	
B-23	C	B-11	A	B-29	B	B-17	C	
B-24	C	B-12	A	B-30	B	B-18	C	
B-25	A	B-13	C	B-9	A	B-19	B	
B-26	B	B-14	B	B-10	C	B-20	A	
B-27	C	B-15	A	B-11	B	B-21	C	
B-28	A	B-16	C	B-12	A	B-22	B	
B-29	B	B-17	B	B-13	C	B-23	A	
B-30	B	B-18	B	B-14	C	B-24	A	
31	E	39	E	47	E	63	E	
32	B	40	B	48	C	64	A	
33	A	41	C	49	A	65	B	
34	E	42	E	50	E	66	E	
35	C	43	A	51	B	67	C	
36	A	44	C	52	A	68	B	
37	C	45	A	53	B	69	C	
38	B	46	B	54	C	70	A	
39	C	47	A	55	B	31	C	
40	E	48	E	56	E	32	E	
41	E	49	E	57	E	33	E	
42	C	50	A	58	B	34	C	
43	C	51	A	59	B	35	C	
44	C	52	A	60	B	36	C	
45	B	53	B	61	C	37	A	
46	B	54	B	62	C	38	A	
47	D	55	D	63	D	39	D	
48	C	56	A	64	B	40	C	
49	B	57	B	65	C	41	A	
50	A	58	C	66	A	42	B	
51	A	59	C	67	A	43	B	
52	Deleted	60	Deleted	68	Deleted	44	Deleted	
53	B	61	B	69	C	45	A	
54	B	62	B	70	C	46	A	
55	A	63	C	31	A	47	B	
56	A	64	C	32	A	48	B	
57	D	65	D	33	D	49	D	
58	B	66	B	34	C	50	A	

Set-E	ANSWER KEY	SET-F	ANSWER KEY	SET-G	ANSWER KEY	SET-H	ANSWER KEY	REMARK
59	A	67	C	35	A	51	B	
60	E	68	E	36	E	52	E	The highest peak in Eastan Ghat 'Jindhagada'.
61	C	69	A	37	B	53	C	
62	B	70	B	38	C	54	A	
63	B	31	B	39	C	55	A	
64	B	32	B	40	C	56	A	
65	B	33	B	41	C	57	A	
66	D	34	D	42	D	58	D	
67	A	35	C	43	A	59	B	
68	E	36	E	44	E	60	E	
69	Deleted	37	Deleted	45	Deleted	61	Deleted	
70	C	38	A	46	B	62	C	
71	A	128	C	119	A	92	B	
72	C	129	A	120	B	93	C	
73	C	130	A	121	B	94	C	
74	B	131	B	122	C	95	A	
75	C	132	A	123	B	96	C	
76	D	133	D	124	D	97	D	
77	B	134	B	125	C	98	A	
78	C	135	A	126	B	99	C	
79	B	136	B	127	C	100	A	
80	D	137	D	128	D	101	D	
81	A	138	C	129	A	102	B	
82	E	139	E	130	E	103	E	
83	Deleted	140	Deleted	131	Deleted	104	Deleted	
84	A	141	E	132	E	105	E	As it is not mentioned in the question, number of possible positive roots, Hence on solving, $x=3$, $x=\pm i$. Hence the equation has exactly one positive root. Therefore, the correct answer is option 'E'
85	A	142	C	133	A	106	B	
86	C	143	A	134	B	107	C	
87	C	144	A	135	B	108	C	

Set-E	ANSWER KEY	SET-F	ANSWER KEY	SET-G	ANSWER KEY	SET-H	ANSWER KEY	REMARK
88	E	145	E	136	E	109	E	Taking different values of 'a' and 'p' we get different remainders, hence the correct answer is option 'E'
89	B	146	B	137	C	110	A	
90	D	147	D	138	D	111	D	
91	A	148	C	139	A	112	B	
92	C	149	A	140	B	113	C	
93	C	150	A	141	B	114	C	
94	A	71	C	142	A	115	B	
95	D	72	D	143	D	116	D	
96	A	73	C	144	A	117	B	
97	C	74	A	145	B	118	C	
98	A	75	C	146	A	119	B	
99	C	76	A	147	B	120	C	
100	E	77	E	148	E	121	E	
101	B	78	B	149	C	122	A	
102	E	79	E	150	E	123	E	
103	A	80	C	71	A	124	B	
104	E	81	E	72	E	125	E	
105	C	82	A	73	B	126	C	
106	A	83	C	74	A	127	B	
107	C	84	A	75	B	128	C	
108	B	85	B	76	C	129	A	
109	A	86	C	77	A	130	B	
110	C	87	A	78	B	131	C	
111	B	88	B	79	C	132	A	
112	C	89	A	80	B	133	C	
113	A	90	C	81	A	134	B	
114	B	91	B	82	C	135	A	
115	C	92	A	83	B	136	C	
116	B	93	B	84	C	137	A	
117	C	94	A	85	B	138	C	
118	D	95	D	86	D	139	D	
119	B	96	B	87	C	140	A	
120	D	97	D	88	D	141	D	
121	E	98	E	89	E	142	E	
122	A	99	C	90	A	143	B	
123	D	100	D	91	D	144	D	
124	B	101	B	92	C	145	A	
125	A	102	C	93	A	146	B	
126	C	103	A	94	B	147	C	
127	A	104	C	95	A	148	B	
128	B	105	B	96	C	149	A	
129	A	106	C	97	A	150	B	
130	C	107	A	98	B	71	C	
131	B	108	B	99	C	72	A	
132	C	109	A	100	B	73	C	
133	A	110	C	101	A	74	B	
134	A	111	C	102	A	75	B	

Set-E	ANSWER KEY	SET-F	ANSWER KEY	SET-G	ANSWER KEY	SET-H	ANSWER KEY	REMARK
135	B	112	B	103	C	76	A	
136	C	113	A	104	B	77	C	
137	E	114	E	105	E	78	E	
138	A	115	C	106	A	79	B	
139	D	116	D	107	D	80	D	
140	C	117	A	108	B	81	C	
141	B	118	B	109	C	82	A	
142	A	119	C	110	A	83	B	
143	B	120	B	111	C	84	A	
144	C	121	A	112	B	85	C	
145	B	122	B	113	C	86	A	
146	A	123	C	114	A	87	B	
147	B	124	B	115	C	88	A	
148	C	125	A	116	B	89	C	
149	D	126	D	117	D	90	D	
150	C	127	A	118	B	91	C	