

Bihar Public Service Commission

Assistant City Plan (Town Planning) Supervisor Written (Objective) Competitive
Examination (Advt. No. 03/2022)

(Examination Date : 20.11.2022)

FINAL ANSWER KEY : Remote Sensing and G.I.S.

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
1	A	30	B	61	C	88	A	
2	C	31	D	62	A	89	B	
3	B	32	C	63	A	90	B	
4	A	33	B	64	C	91	A	
5	Deleted	34	Deleted	65	Deleted	92	Deleted	Deleted. It has multiple answers, Options B & C are correct.
6	D	35	A	66	B	93	C	
7	A	36	B	67	C	94	D	
8	B	37	C	68	D	95	A	
9	B	38	C	69	D	96	A	
10	C	39	A	70	B	97	C	
11	D	40	A	71	B	98	C	No Change. LIDAR or Laser altimetry is a technology that can be applied on urban, rural, and forest or any desired features. The behaviour of 3D point cloud varies depending upon the information extracted. It cannot be confined to any application or domain.
12	A	41	B	72	C	99	A	GIFOV stand for Ground projected Instantaneous field of view.
13	D	42	D	73	D	100	D	
14	D	43	D	74	D	101	D	
15	C	44	D	75	A	102	B	
16	D	45	A	76	B	103	C	
17	D	46	D	77	D	104	D	
18	C	47	D	78	A	105	B	
19	C	48	D	79	A	106	B	
20	A	49	B	80	C	107	D	
21	C	50	D	81	A	108	B	
22	B	51	C	82	D	109	A	
23	C	52	A	83	B	110	C	
24	A	53	B	84	C	111	D	
25	B	54	C	85	A	112	B	
26	D	55	A	86	B	113	C	
27	D	56	A	87	B	114	C	
28	D	57	D	88	D	115	D	

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
29	Deleted	58	Deleted	89	Deleted	116	Deleted	Deleted. It has incomplete answer option D. Answer should be 30 metres and 100 metres.
30	A	59	B	90	C	117	D	
31	D	60	D	91	D	118	D	
32	Deleted	61	Deleted	92	Deleted	119	Deleted	Deleted. It has multiple answers, Options A & B are correct. Reflection and refraction are different phenomenon, Hence cannot be used in one sentence using AND especially pertaining to remote sensing applications.
33	D	62	D	93	D	120	D	
34	C	63	D	94	A	121	B	
35	C	64	A	95	B	122	C	
36	D	65	D	96	D	123	D	
37	B	66	C	97	D	124	A	
38	D	67	A	98	B	125	C	
39	D	68	D	99	D	1	D	
40	D	69	D	100	D	2	D	
41	B	70	C	101	D	3	A	
42	A	71	B	102	C	4	D	
43	C	72	D	103	A	5	B	
44	D	73	A	104	B	6	C	
45	B	74	C	105	D	7	A	
46	A	75	B	106	C	8	A	
47	C	76	A	107	B	9	C	
48	D	77	D	108	D	10	D	
49	C	78	D	109	A	11	B	
50	A	79	B	110	C	12	D	
51	B	80	C	111	A	13	B	
52	C	81	D	112	A	14	B	
53	A	82	B	113	C	15	D	
54	D	83	D	114	D	16	D	
55	D	84	D	115	D	17	D	
56	A	85	B	116	C	18	D	
57	C	86	D	117	A	19	B	No Change. Multiplicative factor can be gain or loss. Therefore, the final image product will be an amplified image.
58	A	87	B	118	C	20	D	
59	D	88	A	119	B	21	C	
60	C	89	D	120	A	22	B	

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
61	B	90	C	121	A	23	B	
62	D	91	D	122	D	24	D	
63	D	92	D	123	D	25	D	
64	A	93	B	124	C	26	D	
65	Deleted	94	Deleted	125	Deleted	27	Deleted	Deleted. It has multiple answers, Options B & C are correct. Bragg scattering application is used in atmosphere and ocean surfaces. Both in active and passive SAR remote sensing.
66	A	95	B	1	C	28	D	
67	B	96	C	2	D	29	A	
68	C	97	D	3	A	30	B	
69	A	98	B	4	C	31	D	
70	D	99	D	5	D	32	D	
71	A	100	B	6	C	33	D	
72	A	101	B	7	C	34	D	
73	B	102	C	8	D	35	A	
74	B	103	C	9	D	36	A	
75	D	104	D	10	D	37	D	
76	A	105	B	11	C	38	D	
77	C	106	D	12	A	39	B	
78	D	107	A	13	B	40	C	
79	A	108	B	14	C	41	D	
80	A	109	B	15	C	42	A	
81	A	110	B	16	C	43	D	
82	D	111	A	17	B	44	C	
83	B	112	C	18	D	45	A	
84	A	113	B	19	C	46	D	
85	A	114	B	20	C	47	A	Image enhancement benefits primarily for visualization. The other answer option deal with separate aspects like image filtering and denoising.
86	C	115	D	21	A	48	B	
87	A	116	B	22	C	49	D	A grey scale image is also called monochrome image.
88	A	117	B	23	C	50	A	
89	C	118	A	24	B	51	C	
90	Deleted	119	Deleted	25	Deleted	52	Deleted	Deleted. It has multiple answers, option B & C are correct
91	A	120	B	26	C	53	A	
92	C	121	D	27	A	54	B	
93	B	122	C	28	D	55	A	
94	C	123	D	29	A	56	B	

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
95	A	124	B	30	C	57	D	In google earth engine .short() is not used for filtering an image collection
96	C	125	D	31	A	58	B	
97	B	1	C	32	D	59	A	
98	Deleted	2	Deleted	33	Deleted	60	Deleted	Deleted. It has multiple answers, option A, B & C are correct
99	D	3	D	34	D	61	D	
100	D	4	A	35	B	62	C	
101	B	5	C	36	A	63	B	
102	A	6	B	37	C	64	A	
103	C	7	A	38	B	65	C	
104	A	8	B	39	C	66	D	
105	C	9	D	40	A	67	B	Detailed image analysis techniques such as pattern identification is used for identification of features based on their special differentiation, but not geographical phenomena.
106	A	10	B	41	C	68	D	
107	B	11	C	42	D	69	A	
108	B	12	C	43	D	70	A	
109	A	13	B	44	C	71	A	
110	A	14	B	45	C	72	D	
111	A	15	B	46	C	73	D	
112	A	16	B	47	C	74	D	
113	B	17	C	48	D	75	A	
114	B	18	C	49	A	76	B	
115	A	19	B	50	C	77	A	
116	Deleted	20	Deleted	51	Deleted	78	Deleted	Deleted. It has multiple answers, option A & B are correct.
117	A	21	B	52	C	79	D	
118	C	22	D	53	A	80	B	
119	A	23	B	54	C	81	D	The purpose of grid is to count the number of features on a map.
120	D	24	A	55	B	82	C	
121	A	25	B	56	C	83	A	
122	D	26	D	57	D	84	D	
123	D	27	A	58	B	85	C	
124	A	28	B	59	C	86	D	
125	Deleted	29	Deleted	60	Deleted	87	Deleted	Deleted. No option is correct. The geocentric orbits has fixed altitude of 160 Km to 2000 km.