

## Bihar Public Service Commission

School Teacher Written (Objective) Competitive Examination (Advt. No. 26/2023)

**Examination Date : 24.08.2023, 2<sup>nd</sup> Sitting**

### 2<sup>nd</sup> PROVISIONAL ANSWER KEY : General Studies , Paper-2

Series-E		Series-F		Series-G		Series-H		Remarks
Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
1	E	38	E	69	E	102	E	No Change.
2	A	39	B	70	C	103	C	No Change.
3	B	40	C	71	A	104	B	No Change.
4	B	41	C	72	A	89	B	No Change.
5	A	42	B	73	C	90	C	No Change.
6	E	43	E	74	E	91	E	No Change.
7	B	44	C	75	A	92	B	No Change.
8	A	45	B	76	C	93	C	No Change.
9	B	46	C	61	A	94	B	No Change.
10	A	47	B	62	C	95	C	No Change.
11	B	48	C	63	A	96	B	No Change.
12	B	33	C	64	A	97	B	No Change.
13	B	34	C	65	A	98	B	No Change.
14	C	35	A	66	B	99	A	No Change.
15	C	36	A	67	B	100	A	No Change.
16	B	37	C	68	A	101	B	No Change.
17	B	52	C	84	A	116	B	Geostationary satellite means a satellite which revolves around the Earth with the same angular velocity as the rotational velocity of the Earth on its own axis. Hence it is only possible at a particular height above the surface of the Earth.
18	C	53	A	85	B	117	A	Violet has shortest wavelength in the visible region and will have maximum deviation in the dispersion of white light passing through the prism.
19	B	54	C	86	A	118	B	During thunderstorm, if a person takes shelter under a short tree, he will be safe because the tree will allow charge of thunderstorm to pass through it.
20	C	55	A	87	B	119	A	No Change in total energy takes place when a body falls freely except for very small (negligible) loss of energy due to air friction.
21	B	56	C	88	A	120	B	Cornea of donor's eye is transplanted to recipient.
22	B	57	C	89	A	105	B	Cobalamin is chemical name of vitamin B <sub>12</sub> .
23	B	58	C	90	A	106	B	Turmeric changes colour from acidic to basic medium or vice versa.
24	A	59	B	91	C	107	C	Organic matter has to be added for making soil fertile if the soil is too basic.

Series-E		Series-F		Series-G		Series-H		Remarks
Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
25	C	60	A	92	B	108	A	$\frac{F-32}{9} = \frac{C}{5}$ Or, $\frac{F-32}{9} = -\frac{273}{5}$ $\therefore F = -459.4^{\circ}F$
26	D	61	D	77	D	109	D	Light wave are both Transverse wave as well as Electromagnetic waves.
27	B	62	C	78	A	110	B	The mixture is acidic in nature. So pH value less than 7.
28	B	63	C	79	A	111	B	1 gigabyte= 1024 MB.
29	A	64	B	80	C	112	C	It is neutralization reaction.
30	B	49	C	81	A	113	B	Glucose is the usual instant source of energy for all the cell.
31	D	50	D	82	D	114	D	Pituitary gland stimulates growth by release of GH, regulates development of sex organ in male and female through release of FSH & LH and regulates salt and sugar balance in the body through release of ACTH. Hence option 'D' is correct.
32	C	51	A	83	B	115	A	Pons, medulla and cerebellum regulates blood pressure and heat beat.
33	B	69	C	100	A	13	B	India-UK Science & Innovation Council meeting, India and the United Kingdom announced the establishment of NET Zero Innovation Virtual Centre aimed at addressing climate change and environmental targets.
34	B	70	C	101	A	14	B	The new complex has 888 seats in the Lok Sabha chamber and 384 seats in the Rajya Sabha chamber. The total number seat amount 1272
35	C	71	A	102	B	15	A	GOI has introduced a new platform called 'DigiClaim' on the national crop insurance portal. This platform is aimed at expediting the disbursement of insurance claims to farmers who have availed themselves of crop insurance.
36	A	72	B	103	C	16	C	NASA has appointed Amit Kshatriya, a robotics engineer, as head of ISRO's new Moon to Mars Program.
37	C	73	A	104	B	1	A	10% of value assured is charge for release of the vehicles transporting liquor under the act.
38	B	74	C	105	A	2	B	The C919 was built by the Commercial Aircraft Corporation of China (COMAC), a state-owned enterprise based in Shanghai, with the stated goal of letting "China-made large aircraft fly in the blue sky."
39	A	75	B	106	C	3	C	Kriti Raj Singh is related with weight lifting.

Series-E		Series-F		Series-G		Series-H		Remarks
Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
40	A	76	B	107	C	4	C	In the ranking of industrial development in the state, Siwan (73.5 points) is in first place and Patna (68 points) in second place.
41	B	77	C	108	A	5	B	Writ: Habeas Corpus, Mandamus, Certiorari, Prohibition and Quo Warranto are the 5 kinds of writs issued for the enforcement of fundamental rights.
42	D	78	D	93	D	6	D	Hirakud Dam, the longest dam, and Ravishankar Sagar, Dudhawa Reservoir, Sondur Reservoir, Hasdeo Bango and Tandula are other major projects.
43	B	79	C	94	A	7	B	Jerusalem was in news during recent Arab-Israeli conflict.
44	D	80	D	95	D	8	D	All the three countries above are members of NATO as in 2022
45	B	65	C	96	A	9	B	Policy Priorities for the G20: One Earth, One Family, One Future in February, 2023
46	D	66	D	97	D	10	D	Two (B and C) of the three options are correct. QUAD was established in 2004. Indo-Pacific Partnership for Maritime Domain Awareness (IPMDA) to monitor illegal fishing, humanitarian crises, maritime security, marine conservation and related issues in the region.
47	C	67	A	98	B	11	A	Kautilya (370-283 BC) taught economics and politics at Takshashila University.
48	D	68	D	99	D	12	D	No Change.
49	D	84	D	114	D	26	D	According to Suess the troposphere can be divided into three zones, viz; Tropical, Temperate and Frigid. The Frigid zone lies between the pole and the Arctic or Antarctic circle. Since both 'A' and 'C' are correct. The Proper answer is option 'D'.
50	A	85	B	115	C	27	C	The part of Himalayas referred to in the question are known as Kumaon Himalayas.
51	A	86	B	116	C	28	C	According to 2011 Censes, Sikkim had a population of 6.11 lakh.
52	B	87	C	117	A	17	B	According to National Forest Policy 33% of land area should of forest cover.
53	D	88	D	118	D	18	D	All three-option given in the question are local names of Jhumming.
54	B	89	C	119	A	19	B	A large apartment with slanting roof in amazon is known as Maloca.
55	A	90	B	120	C	20	C	Historical Dakhinapath region lies between Vindhayachal mountain and Krishna River.
56	B	91	C	109	A	21	B	Rivers Luna, Sabarmati,

Series-E		Series-F		Series-G		Series-H		Remarks
Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
								Narmada and Tapi drain towards Arabian sea while rivers Yamuna, Ganga, Chambal, Son and Mahanadi drain into Bay of Bengal. The water divides between them are correctly given in Option 'B'.
57	C	92	A	110	B	22	A	The secondary cyclones or westerly disturbance of winter in N.W. India arise near the Mediterranean Sea.
58	B	81	C	111	A	23	B	Trewartha has classified Tropical Monsoon as Am. This Climate is found in Sahayadri range on western Ghats.
59	B	82	C	112	A	24	B	The local names of winter rice crops in North India are Aman, Shali and Aghani.
60	E	83	E	113	E	25	E	All the option given are vague, incomplete or wrong. Hence, the Correct answer is Option 'E'.
61	B	95	C	6	A	37	B	No Change.
62	A	96	B	7	C	38	C	Ashwini Kumar Datta organized the Swadesh Bandhav Samiti,
63	D	97	D	8	D	39	D	More than one of the above (Both A & B are correct)
64	E	98	E	9	E	40	E	None of the above. The dates given in the option are incorrect.
65	C	99	A	10	B	29	A	Bihar Prantiya Kisan Sabha was established in 1929.
66	C	100	A	11	B	30	A	The tax on beard was opposed by Titu Mir who was influenced by the Wahabis.
67	C	101	A	12	B	31	A	No Change.
68	C	102	A	1	B	32	A	Poona Pact aimed at political representation of depressed classes.
69	A	103	B	2	C	33	C	First All India Socialist Conference was held at Patna.
70	B	104	C	3	A	34	B	Kalikinkar Datta wrote <i>Biography of Kunwar Singh and Amar Singh</i> .
71	A	93	B	4	C	35	C	Subhash Chandra Bose defeated Pattabhi Sitramayya.
72	D	94	D	5	D	36	D	All the above (A, B & C are correct)
73	C	110	A	22	B	53	A	The correct matches are a-2, b-3, c-1, d-4.
74	C	111	A	23	B	54	A	Article 19 (a) guarantees freedom of press under right to freedom of expression.
75	B	112	C	24	A	55	B	No Change.
76	A	113	B	25	C	56	C	Himalayan yew is founded in Himachal Pradesh and Arunachal Pradesh.
77	A	114	B	26	C	41	C	Overseas Indian Citizenship (OIC) Scheme was introduced the Citizenship (Amendment) Act 2003.
78	D	115	D	27	D	42	D	The causes of disappearing of the rigid caste system in India is due to All three Options.
79	B	116	C	28	A	43	B	Ministry of Panchayati Raj was created in 2004.
80	A	117	B	13	C	44	C	Karl Marx has said the Communist

Series-E		Series-F		Series-G		Series-H		Remarks
Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
								Society was the natural society of the future"
81	C	118	A	14	B	45	A	Author of the book The Social Contract in J.J. Rousseau.
82	D	119	D	15	D	46	D	No Change.
83	D	120	D	16	D	47	D	Under fundamental duties option A and B both are correct.
84	C	105	A	17	B	48	A	Bhimrao Ambedkar wrote <i>Pakistan or the Partition of India</i> .
85	C	106	A	18	B	49	A	Ireland was incorporated in the U.K. in the year 1801.
86	C	107	A	19	B	50	A	Atal Bihari Vajpayee started Sarva Shiksha Abhiyan.
87	C	108	A	20	B	51	A	Sri Lanka became independent in 1948.
88	A	109	B	21	C	52	C	'Annapurna Yojana' is for older and poor people above 65 years.
89	A	4	B	36	C	68	C	Odum proposed Y shaped energy flow model in ecosystem.
90	C	5	A	37	B	69	A	Lichens die out in the presence of SO <sub>2</sub> . So SO <sub>2</sub> reduces growth of lichens.
91	E	6	E	38	E	70	E	The Salim Ali Bird Sanctuary is located in Goa.
92	A	7	B	39	C	71	C	The IUCN Headquarters is situated in Switzerland.
93	B	8	C	40	A	72	B	The amount of energy dissipated from one trophic level to another is 10%.
94	C	9	A	41	B	57	A	Pneumatophores are characteristics of halophytes.
95	D	10	D	42	D	58	D	Both PAN (Peroxyacetyl nitrate) and ozone are secondary pollutant.
96	A	11	B	43	C	59	C	Lindeman proposed 10% law of energy flow.
97	C	12	A	44	B	60	A	Tropical Rain forests are found in Western Ghats of Kerala.
98	C	13	A	29	B	61	A	When water is accumulated on land field, methane is produced.
99	C	14	A	30	B	62	A	Mesosphere has the lowest temperature in the atmosphere.
100	B	15	C	31	A	63	B	The increase in concentration of toxic substances in successive trophic level is called biomagnification.
101	A	16	B	32	C	64	C	Lichens are pioneer species in a xerarch.
102	B	1	C	33	A	65	B	Ramsar Convention is associated with conservation of wetland.
103	C	2	A	34	B	66	A	Itai-Itai disease is caused by cadmium poisoning.
104	A	3	B	35	C	67	C	Botanical Garden included in ex situ conservation.
105	E	19	E	53	E	84	E	No Change.
106	A	20	B	54	C	85	C	No Change.
107	B	21	C	55	A	86	B	No Change.
108	E	22	E	56	E	87	E	No Change.
109	E	23	E	57	E	88	E	No Change.
110	C	24	A	58	B	73	A	No Change.

Series-E		Series-F		Series-G		Series-H		Remarks
Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
111	C	25	A	59	B	74	A	No Change.
112	E	26	E	60	E	75	E	No Change.
113	B	27	C	45	A	76	B	No Change.
114	A	28	B	46	C	77	C	No Change.
115	A	29	B	47	C	78	C	No Change.
116	B	30	C	48	A	79	B	No Change.
117	C	31	A	49	B	80	A	No Change.
118	C	32	A	50	B	81	A	No Change.
119	A	17	B	51	C	82	C	No Change.
120	C	18	A	52	B	83	A	No Change.