

Bihar Public Service Commission

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

Examination Date : 24.08.2023, 1st Sitting

2nd PROVISIONAL ANSWER KEY : General Studies , Paper-2

Series-A		Series-B		Series-C		Series-D		Remarks
Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
1	D	37	D	69	D	103	D	No Change.
2	B	38	C	70	A	104	B	No Change.
3	C	39	A	71	B	89	A	No Change.
4	E	40	E	72	E	90	E	The correct answer is 94.
5	C	41	A	73	B	91	A	No Change.
6	D	42	D	74	D	92	D	No Change.
7	A	43	B	75	C	93	C	No Change.
8	A	44	B	76	C	94	C	No Change.
9	C	45	A	61	B	95	A	No Change.
10	C	46	A	62	B	96	A	No Change.
11	D	47	D	63	D	97	D	No Change.
12	B	48	C	64	A	98	B	No Change.
13	B	33	C	65	A	99	B	No Change.
14	A	34	B	66	C	100	C	No Change.
15	C	35	A	67	B	101	A	No Change.
16	E	36	E	68	E	102	E	No Change.
17	C	53	A	85	B	116	A	Potentiometer is a 3 terminal variable resistor which can be used by dividing the voltage in measuring electric potential, but it is not an instrument. Voltmeter is therefore the only instrument among the options to measure electric potential.
18	B	54	C	86	A	117	B	Magnetic field is a vector quantity.
19	B	55	C	87	A	118	B	A man exerts maximum push when in standing position power to push reduces in sitting position as well as in lying position.
20	B	56	C	88	A	119	B	The light with shortest wavelength refracts most.
21	B	57	C	89	A	120	B	Since the density of kerosene is smaller than density of water, ice sinks in kerosene and the level will rise. When ice melts, the level of kerosene falls.
22	B	58	C	90	A	105	B	The pH of blood plasma lies between 7.35 to 7.45 (Slightly alkaline), rest options have pH less than 7.
23	C	59	A	91	B	106	A	Distance between eye lens and retina is 2 Cm. Hence option 'C' is correct.
24	B	60	C	92	A	107	B	$\text{Ca (OH)}_2 + \text{Cl}_2 \rightarrow \text{Ca (Ocl) Cl} + \text{H}_2\text{O}$
25	B	61	C	77	A	108	B	Heredity is the process of transmission of characteristics from parents to offspring.
26	B	62	C	78	A	109	B	While connecting ammeter and voltmeter in a circuit for the verification of ohm's law, the correct procedure is to connect ammeter in series because it has low resistance and does not affect the current of the circuit, and voltmeter having high resistance is connected in parallel.

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27	A	63	B	79	C	110	C	$Fe + 2HCl \rightarrow FeCl_2 + H_2$
28	B	64	C	80	A	111	B	Afforestation is the best method to prevent flood. Rest options are cause of flood.
29	C	49	A	81	B	112	A	Food materials may contain some weak acids, which do not react with tin, but zinc reacts even with weak acids.
30	D	50	D	82	D	113	D	Ovary is responsible for formation of ovum, secretion of estrogen & progesterone.
31	B	51	C	83	A	114	B	Tartaric acid is present in Tamarind.
32	A	52	B	84	C	115	C	Coliforms are bacteria present in the digestive tract of animals.
33	B	68	C	102	A	13	B	Padma shri Bimal Patel is the name of the architect in charge of the new building the Parliament of India.
34	A	69	B	103	C	14	C	10 to 15 Percent was effectively the percentage of the electorate of the adult Population of India that could only participate in the election of the members of the constituent assembly.
35	B	70	C	104	A	15	B	Madhya Pradesh, in April 2023 gave the OBC status to Transgenders Community.
36	B	71	C	105	A	16	B	Ibn Battuta, the famous Muslim explorer who came to India during the Regime of Mohammad Bin Tughlaq, belonged to Morocco.
37	C	72	A	106	B	1	A	Recently, India's first cable-stayed rail Bridge is built in Jammu & Kashmir.
38	A	73	B	107	C	2	C	India's first semiconductor manufacturing plant will be set up in Gujrat.
39	C	74	A	108	B	3	A	Erwin was behind the first attempt on Gandhi's life in India during the Champaran Satyagraha in 1917.
40	D	75	D	93	D	4	D	India, Israel and UAE are the members of the recently formed I2U2 grouping.
41	A	76	B	94	C	5	C	On march 17, 2023, the International Criminal Court issued arrest warrant against Russian President Valdimir Putin.
42	A	77	B	95	C	6	C	The third Forum for India Pacific Islands Corporation (FIPIIC) summit was held in Papua New Guinea.
43	C	78	A	96	B	7	A	Rowan Wilson has been appointed as the first black Chief Judge of New York.
44	B	79	C	97	A	8	B	A Parliamentary Committee of USA recently recommended that India should be made part of the 'NATO Plus' Grouping.
45	A	80	B	98	C	9	C	The International Booker Prize 2023 has been awarded to Georgi Gospodinov.
46	B	65	C	99	A	10	B	Linda Yaccarino is the New Chief Executive Officer (C E O) of Twitter.
47	E	66	E	100	E	11	E	As per Bihar Economic Survey 2021-22 Page No. 439 the female Literacy rate in Bihar is 51.5 percent.
48	C	67	A	101	B	12	A	Subhadra Devi, who has been awarded Padma shri in 2023 is a known Papier-mache massy artist.

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49	C	85	A	116	B	27	A	Kadamba Trees is worshipped by Mundas and Santhals of Chota Nagpur region.
50	D	86	D	117	D	28	D	Muskmelon, Cucumber & Watermelon are grown during the Zaid season.
51	D	87	D	118	D	17	D	In seismic studies, the place above the origin of earthquake waves or focus is called the epicentre. It has been observed the animals and birds somehow behave peculiarly before natural phenomena such as earthquakes, eclipse and tsunami. It is as if they have a premonition of disaster. Local people have learnt to predict natural calamities by studying animal behaviour. since two options give correct statements, the correct answer is option 'D'.
52	B	88	C	119	A	18	B	The boundary between Canada and USA runs along 49° N Latitude, but in the Great Lakes region it runs in the middle of Lake Superior,
53	C	89	A	120	B	19	A	Mars is smaller and Jupiter is much bigger than Earth. Venus is the only planet which has a size and shape matching the Earth.
54	C	90	A	109	B	20	A	In South America Argentina and Chile are far to south of the Amazon basin. However, part of the basin falls in Venezuela
55	A	91	B	110	C	21	C	Starting from earth's surface the correct sequence of layers of atmosphere is troposphere-Stratosphere- Mesosphere- Thermosphere- Exosphere. Hence option 'A' is correct.
56	A	92	B	111	C	22	C	Chena is the local name of shifting cultivation in Sri Lanka and some other Asian countries including Bangladesh. Milpa is found in Mexico and Ladang in Philippines. Hence the correct answer is option 'A'.
57	A	81	B	112	C	23	C	Time Changes at the rate of 4 minutes for every degree of longitude.
58	C	82	A	113	B	24	A	The continental crust is called sail (silica and alumina) while the oceanic crust is called sima (silica and magnesium).
59	A	83	B	114	C	25	C	Soil can be made easy to cultivate by adding some straw or leaves. This is called mulching. The correct answer is option 'A'.
60	D	84	D	115	D	26	D	Oil has been found in cambay (Gujarat) and near Andhra coast (Bay of Bengal). Hence the correct answer is option 'D'.
61	C	97	A	8	B	39	A	Jaggiwan Ram was Labour Minister in Nehru's Provisional Govt.
62	E	98	E	9	E	40	E	The Champaran Agrarian Act was passed in March 1918.
63	C	99	A	10	B	29	A	Subhash Chandra Bose wrote <i>The Indian Struggle</i> .
64	A	100	B	11	C	30	C	Oraon tribe of the Tana Bhagat movement joined the Gaya session of INC.

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Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
65	D	101	D	12	D	31	D	The book Advocate of India was not written by Dadabhai Naoroji and Indian spectator was not written by Surendranath Banerjee.
66	C	102	A	1	B	32	A	Jawaharlal Nehru was Chairman of the National Planning Commission (1938)
67	B	103	C	2	A	33	B	Rajendra Prasad wrote the book <i>Mahatma Gandhi and Bihar: Some Reminiscences</i> .
68	B	104	C	3	A	34	B	Payment of Chaukidari Tax was refused in Bihar during Civil Disobedience Movement.
69	A	93	B	4	C	35	C	Aruna Asaf Ali is known as 'Grand Old Lady' of the Independence Movement.
70	A	94	B	5	C	36	C	Tilak founded the Home Rule League at Belgaun. The headquarter was setup at Poona.
71	D	95	D	6	D	37	D	Both Swami Sahjanand and Yamuna Karjee were associated with publication of <i>Hunkar</i> .
72	A	96	B	7	C	38	C	Hugh Rose paid this compliment to Rani Jhansi.
73	B	111	C	22	A	53	B	The correct match is a-2, b-3, c-1, d-4.
74	D	112	D	23	D	54	D	All these were established after Russian Revolution.
75	A	113	B	24	C	55	C	Deen Dayal Upadhyay stated so.
76	D	114	D	25	D	56	D	More than one of the above. (Options A & B are correct).
77	A	115	B	26	C	41	C	Montesquieu wrote <i>The Spirit of the Laws</i> .
78	D	116	D	27	D	42	D	No Change.
79	A	117	B	28	C	43	C	Research and Analysis wing bears the motto.
80	C	118	A	13	B	44	A	- Sardar Vallabh Bhai Patel led the stragragh of Bardoli Gujarat.
81	D	119	D	14	D	45	D	Option A and B both are correct.
82	B	120	C	15	A	46	B	- The Validity of the order of Gol was done in 1992.
83	A	105	B	16	C	47	C	- According to Angus Maddison's book the contribution of India was 32%
84	A	106	B	17	C	48	C	No. Change.
85	D	107	D	18	D	49	D	No. Change.
86	A	108	B	19	C	50	C	The Author of the book is Dharpal.
87	D	109	D	20	D	51	D	More than one option is correct.
88	C	110	A	21	B	52	A	The statement has been given by N.V. Ramanna.
89	A	6	B	38	C	70	C	Phosphorus cycle has no gaseous phase. It is sedimentary cycle.
90	D	7	D	39	D	71	D	Autotrophs and certain green bacteria (cyanobacteria) can do photosynthesis.
91	B	8	C	40	A	72	B	Since UV light has higher frequency $E = h\nu, \nu = \frac{1}{\lambda}$ so it contains higher energy and shorter wave length.
92	A	9	B	41	C	57	C	Biological magnification is the progressive accumulation of non-degradable chemicals at each trophic level.

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Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	
93	C	10	A	42	B	58	A	Carrying capacity of population is determined by limiting resources.
94	D	11	D	43	D	59	D	The nitrate concentration in drinking water is greater than 50 PPM so it causes blood disorder. Setter's answer is Phosphates which is wrong as it has no role in Methemoglobinemia.
95	B	12	C	44	A	60	B	Flow of energy in an ecosystem is always unidirectional.
96	D	13	D	29	D	61	D	Animals, Plants and microorganism are biotic component of ecosystem.
97	D	14	D	30	D	62	D	The gases produced from landfills are- Methane Co ₂ , non-methane organic compound and sulfides.
98	A	15	B	31	C	63	C	The correct sequence of food chain in a forest ecosystem is Plants- deer- Lion.
99	D	16	D	32	D	64	D	Plastic is not decomposed by bacteria, saprophyte and parasite.
100	D	1	D	33	D	65	D	Solar cells, windmills & nuclear power plants do not emit carbon.
101	C	2	A	34	B	66	A	Branching series in a food chain is called as food web.
102	C	3	A	35	B	67	A	The green plants capture 1% of the sunlight energy and convert it into food energy.
103	A	4	B	36	C	68	C	No Change.
104	A	5	B	37	C	69	C	First trophic level of food chain is Autotrophs (producer).
105	A	21	B	52	C	86	C	No Change.
106	B	22	C	53	A	87	B	No Change.
107	C	23	A	54	B	88	A	No Change.
108	B	24	C	55	A	73	B	No Change.
109	A	25	B	56	C	74	C	No Change.
110	A	26	B	57	C	75	C	No Change.
111	B	27	C	58	A	76	B	No Change.
112	B	28	C	59	A	77	B	No Change.
113	D	29	D	60	D	78	D	No Change.
114	B	30	C	45	A	79	B	No Change.
115	C	31	A	46	B	80	A	No Change.
116	A	32	B	47	C	81	C	No Change.
117	B	17	C	48	A	82	B	No Change.
118	A	18	B	49	C	83	C	No Change.
119	D	19	D	50	D	84	D	No Change.
120	B	20	C	51	A	85	B	No Change.