

Bihar Public Service Commission

32nd Bihar Judicial Services (Preliminary) Competitive Examination (Advt. No. 23/2023)

(Examination Date : 04.06.2023)

PROVISIONAL ANSWER KEY : General Studies

आयोग द्वारा उपलब्ध कराये गये उत्तर पूर्णतः औपबधिक (Provisional) हैं। उपर्युक्त निर्धारित तिथि तक आपत्तिकर्ताओं से प्राप्त आपत्ति की गहन समीक्षा विषय विशेषज्ञों की समिति द्वारा की जायेगी और गहन समीक्षोपरान्त सभी प्रश्नों का अन्तिम आदर्श उत्तर तैयार किया जायेगा। विषय विशेषज्ञों की समिति द्वारा तैयार किये गये उक्त अन्तिम आदर्श उत्तर का आयोग द्वारा अनुमोदनोपरान्त उसके आधार पर ओ.एम.आर. उत्तर पत्रक (OMR Answer Sheet) का मूल्यांकन किया जायेगा।

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
1	B	21	C	36	D	66	A	Rajagriha was the capital of the Kingdom of Magadh.
2	B	22	C	37	D	67	A	Yajur-Veda is written in both prose and poetry.
3	D	23	A	38	B	68	C	Samudragupta because of his extensive conquests is known as Napoleon of India.
4	C	24	D	39	A	69	B	Kumarpalacharita was written by Hemchandra.
5	D	25	A	40	B	70	C	Shivaji introduced the system of collecting land revenue directly from Ryot which later come to be known as Ryotwari.
6	B	26	C	41	D	71	A	Option (B) gives the correct order of the 'Ashram System'; hence (B) is correct.
7	B	27	C	42	D	72	A	Mahmud Ghazni plundered the Somnath temple.
8	C	28	D	43	A	73	B	Smriti texts are 8 in number.
9	A	29	B	44	C	74	D	Bhoga was a Political (Administrative) unit in the Gupta empire. Its head was Bhogapati.
10	D	30	A	45	B	75	C	Kshetraja Putra refers to sons born of Niyoga system.
11	B	31	C	46	D	76	A	Shahna-e Mandi was the Controller of Market under Alauddin Khalji.
12	D	32	A	47	B	77	C	Ashok preached respect for other faiths in RE XII.
13	B	33	C	48	D	78	A	Ramananda's teachings advocated better status for lower castes and women in society.
14	B	34	C	49	D	79	A	Bronze image of a dancing girl was found at Mohenjo Daro.
15	A	35	B	50	C	80	D	Stanley Lanepoole is the correct answer.

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
16	A	36	B	51	C	81	D	Ajanta cave paintings mainly relate to Buddhism.
17	C	37	D	52	A	82	B	Raskhan, a renowned poet in the Krishna-bhakti tradition, wrote many love-poems dedicated to Krishna.
18	B	38	C	53	D	83	A	Sankhya is considered the oldest Indian School of Philosophy.
19	A	39	B	54	C	84	D	The quotation relates to Sir James Outram.
20	D	40	A	55	B	85	C	Anushilan Samiti was founded by the revolutionaries.
21	A	41	B	56	C	86	D	Firoz Shah Tughluq Got Sanskrit books translated in to persian under the name of Dalayal-e Firoz Shahi.
22	B	42	C	57	D	87	A	The law for the reduction of the age of civil services examination from 21 years to 19 years was made in 1876.
23	D	43	A	58	B	88	C	Lilawati was not translated by Abul Fazl.
24	C	44	D	59	A	89	B	The Resolution of Complete Independence was passed by the Congress in the Lahore session in 1929.
25	C	45	D	60	A	90	B	Local self-government Act was passed during the tenure of Lord Ripon.
26	B	46	C	61	D	91	A	Options A, C and D give the names of rulers and their wives. Gulbadan Begum was Humayun's sister. The two names are not correctly matched as per the pattern followed in other options; hence (B) is correct.
27	A	47	B	62	C	92	D	Mahatma Gandhi finally decided on 11 th March 1930 that he would start the Dandi March.
28	D	48	A	63	B	93	C	"India Wins Freedom" was written by Maulana Abul Kalam Azad.
29	A	49	B	64	C	94	D	Asiatic Society was founded by William Jones in 1784.
30	B	50	C	65	D	95	A	Scientific Society was founded by Sir Syed Ahmad Khan in 1864 and not in 1860.
31	C	51	D	66	A	96	B	Bal Gangadhar wrote "Gita Rahasya".

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
32	A	52	B	67	C	97	D	Sharada Sadan was founded by Ramabai.
33	D	53	A	68	B	98	C	Agni is NOT mentioned in Boghazkoi inscription.
34	C	54	D	69	A	99	B	Kaikobad succeeded Balban to the throne of Delhi.
35	B	55	C	70	D	100	A	Panini was a grammarian.
36	C	56	D	71	A	1	B	Seismographs are instrument used to record the motion of the ground during an earthquake. They are installed in the ground throughout the world and operated as part of a seismographic network. A seismometer is the internal part of the seismograph and is often used synonymously with it.
37	A	57	B	72	C	2	D	Stethoscope is used for hearing heart beat. Sphygmomanometer is used for measuring blood pressure. Lux meter measures the intensity of light and thermometer measures temperature.
38	C	58	D	73	A	3	B	Photosynthesis is the process of utilizing and converting light or solar energy into chemical energy. Sun light is absorbed by Chlorophyll of leaves.
39	A	59	B	74	C	4	D	Assertion (A) is correct because when a person standing on a rotating stage, spreads his arm, his moment of inertia, I , increases because of this spreading (Σmr^2) which makes the angular velocity small because the angular momentum $L = IW$ is a constant here.
40	B	60	C	75	D	5	A	Geostationary Satellites are those satellites whose rotational speed is same as the rotational speed of earth (on its axis). This particular speed can only be achieved when its orbit is at a constant height (nearly 36 thousand kilometers from surface of earth).

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
41	B	61	C	76	D	6	A	Printer is an output device, Pen drive is a data storage device, TFT is Monitor whereas Mouse is a small device that a computer user pushes across a desk surface in order to point to a place on a display screen and to select one or more action to take from that position. Hence it is not a memory device. It is an input device.
42	A	62	B	77	C	7	D	The Kyoto protocol operationalizes the United Nations Framework convention on climate change by commuting industrialized countries and economies in transfer to limit and reduce GHG emission in accordance with agreed individual targets.
43	B	63	C	78	D	8	A	A quantum Turing machine is a theoretical model of the smallest and fastest computer that works like brain, and is also known as the universal quantum computer.
44	D	64	A	79	B	9	C	Insulin, being secreted by B cells of Islets of Langerhans is hypoglycemic and it lowers blood glucose level.
45	A	65	B	80	C	10	D	Main components of soldering iron are lead (Pb) and Tin (Sn). Tin and lead have low melting points 232°C and 32 °C. Others have high and very high melting points.
46	D	66	A	81	B	11	C	Mercury is used in manometer for measuring pressure, silicon as semi conductor, sodium chloride is a salt and nichrome is an alloy used as a resistance wire.
47	B	67	C	82	D	12	A	Sodium reacts with moisture and air (oxygen) very fast, hence kept in kerosene oil. Other metals given do not react with air.
48	B	68	C	83	D	13	A	Honey contains nearly 40% fructose. other option are either absent or present in traces in honey.
49	A	69	B	84	C	14	D	Sericulture is the artificial rearing of silk worm.
50	B	70	C	85	D	15	A	DDT (Dichloro diphenyl trichloro ethane).

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
51	B	71	C	86	D	16	A	The deficiency of vitamin C and vitamin D causes scurvy and rickets while deficiency of vitamin B ₁ and vitamin A is responsible for causing beri-beri and night blindness respectively.
52	C	72	D	87	A	17	B	An Odometer is an instrument that measures the distance travelled by a wheeled vehicle.
53	B	73	C	88	D	18	A	Water has this peculiar Property that its density becomes maximum at 4 ⁰ C when we vary its temperature. The density decreases either by decreasing or increasing the temperature from 4 ⁰ C.
54	C	74	D	89	A	19	B	Nitrous oxide, Methane and carbon dioxide are greenhouse gases whereas hydrogen is not.
55	D	75	A	90	B	20	C	The pure tungsten has high resistivity and high melting Point so that electrical energy easily changes into heat and light energy and makes it useful as filament of a bulb.
56	B	76	C	91	D	21	A	Teflon is inert to the atmosphere and chemicals. Water and oil do not stick to teflon. It has a high melting point.
57	C	77	D	92	A	22	B	Washing soda is sodium carbonate.
58	C	78	D	93	A	23	B	Deuterium has one proton and one neutron bound to each other and hence deuterium oxide is called Heavy Water because Hydrogen has only a proton and hence nearly half the mass of deuterium.
59	D	79	A	94	B	24	C	Biuret test is best known biochemical test for detection of protein.
60	D	80	A	95	B	25	C	Human eye is a convex lens and the real image of anything is formed by this lens on the screen which in this case is Retina.
61	A	81	B	96	C	26	D	Energy is released during the process of fusion of two hydrogen molecules and its further chain reaction and this energy is suddenly released. when the so called hydrogen bomb is fired.

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
62	A	82	B	97	C	27	D	Sound wave travels fastest when molecules are more closely packed. Hence, these waves travel fastest in solids, slower in liquid and further slower in gases. They can't travel in vacuum.
63	C	83	D	98	A	28	B	Fusion of hydrogen molecules to form Helium and further chain reaction is cause of energy production in Sun.
64	Deleted	84	Deleted	99	Deleted	29	Deleted	since no option is correct. (Option A is partly correct but instead of I^{313} , it should be I^{131} .)
65	A	85	B	100	C	30	D	Pome (Apple) is a false fruit, whose edible part is thalamus.
66	B	86	C	1	D	31	A	Tropic of cancer does not pass through Odisha.
67	A	87	B	2	C	32	D	Khardung La is highest motorable pass with historical importance in Ladakh district.
68	C	88	D	3	A	33	B	Dhaulagiri is in Nepal.
69	C	89	D	4	A	34	B	Mahendragiri is the highest peak in the Eastern Ghats.
70	D	90	A	5	B	35	C	Tapti River flows through rift valley.
71	C	91	D	6	A	36	B	Loktak Lake is situated in Manipur.
72	D	92	A	7	B	37	C	Dev Prayag is at confluence of the river Alakhnanda and Bhagirathi. It is only after this confluence that the river is called Ganga.
73	A	93	B	8	C	38	D	Wainganga and Painganga are the tributaries of river Godavari.
74	A	94	B	9	C	39	D	Dantewada is in Chattisgarh so it is not correctly matched.
75	B	95	C	10	D	40	A	Gujarat is the largest producer of cotton in India.
76	C	96	D	11	A	41	B	Andhra Pradesh produces 47% of total mica produced. It is thus the largest producer.
77	B	97	C	12	D	42	A	Vishakhapatnam is the deepest land locked port in India.
78	B	98	C	13	D	43	A	Kolkata Howrah region is the nucleus of the Hoogly Industrial Region.
79	C	99	D	14	A	44	B	Subedarganj in Prayagraj is the head office of North Central Railways.

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
80	C	100	D	15	A	45	B	Hot spring is related to the geo-thermal energy.
81	C	1	D	16	A	46	B	Argentina won the FIFA World Cup 2022 for the Third time defeating France in the final.
82	C	2	D	17	A	47	B	Shri G. Kishan Reddy launched the "Visit India year 2023" for promoting tourism in India.
83	D	3	A	18	B	48	C	: India Energy week 2023 was held between 6 th to 8 th February, 2023 at Bengaluru.
84	B	4	C	19	D	49	A	Purple Fest was held for welfare of people with disabilities.
85	C	5	D	20	A	50	B	The President of Egypt Mr. Abdul Fattah El-Sisi was the chief Guest of the Republic Day Celebration 2023.
86	B	6	C	21	D	51	A	Geological Survey of India has identified lithium reserves of 5.9 million tonnes in Salal-Haimana area of Reasi District of Jammu & Kashmir.
87	A	7	B	22	C	52	D	There are 23 IIT's in India in April 2023.
88	C	8	D	23	A	53	B	B.V.R Subrahmanyam joined the office of CEO (Niti Aayog) on 25.02.2023.
89	A	9	B	24	C	54	D	According to Ministry of Commerce & Industry (dated 15.02.2023) the overall export growth in April to January 2022-23 is 17.33%.
90	D	10	A	25	B	55	C	Kerala is the first State to use robotic technology to clean all its commissioned manholes.
91	D	11	A	26	B	56	C	Pele was Brazilian.
92	C	12	D	27	A	57	B	British Parliament is located in the Westminster Palace and is called Westminster model of Government.
93	D	13	A	28	B	58	C	Pitru Paksha Mela is organized on the banks of Falgu river at Gaya.
94	B	14	C	29	D	59	A	Qatar will host the Asian Cup Football Tournament 2023.
95	B	15	C	30	D	60	A	Harivansh Rai Bacchan wrote "Madhushala" in 1935.
96	C	16	D	31	A	61	B	Prahari App was launched by Amit Shah for the BSF in Dec., 2022.

Series-A		Series-B		Series-C		Series-D		Remarks
Question No.	Answer	Question No.	Answer	Question No.	Answer	Question No.	Answer	
97	B	17	C	32	D	62	A	Indian Army conducted the Trishakti Prahar(Trishakari Prahar) 21 – 31 st January, 2023 in North Bengal.
98	D	18	A	33	B	63	C	On 4 th February, 2023 Amit Shah laid foundation of 450 cr. Nano Urea Liquid Fertilizer Plant at Deoghar, Jharkhand.
99	B	19	C	34	D	64	A	Maharaja Sayajirao University of Vadodara, hosted Youth 20 India summit for environmental protection.
100	A	20	B	35	C	65	D	Mr. Prabhu Chandra Mishra got the award for his work on stem cell and Regenerative medicine in 2022.