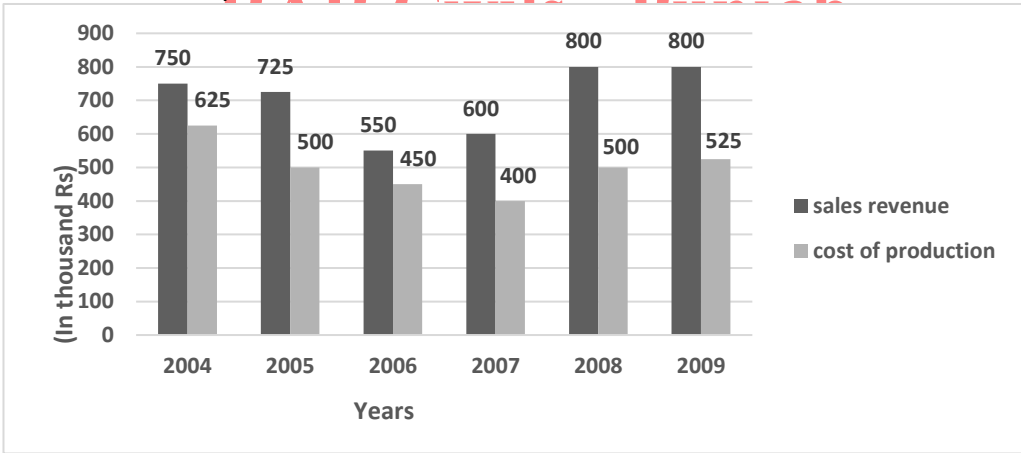


88	The complexes $[\text{Co}(\text{H}_2\text{O})_4\text{Cl}_2]\text{NO}_2$ and $[\text{Co}(\text{H}_2\text{O})_4\text{Cl}(\text{NO}_2)]\text{Cl}$, are a) Linkage isomers b) Ionization isomers c) Positional isomers d) Optical isomers
89	The number of metal-metal bonds present in $\text{Ir}_4(\text{CO})_{12}$, is/are a) 4 b) 6 c) 8 d) 0
90	The deep purple colour of KMnO_4 is due to: a) d-d transitions b) MLCT c) LMCT d) π - π Transitions
91	Who is the author of the famous poetry, "Sare Jahan Se Achha Hindostan Hamara"? a) Rabindranath Tagore b) Maulana Abul Kalam Azad c) Mohammad Iqbal d) Ram Prasad Bismil
92	The Archaeological Survey of India was established during the period of a) Lord Curzon b) Warren Hastings c) Lord Wellesley d) William Bentick
93	Modikhana, in context of history of Punjab, referred to: a) Official storehouse b) Shop of a Modi c) House of a Khatri d) Official residence of a qanungo
94	Which of the following statements about the Fundamental Duties as outlined in the Indian Constitution are accurate? 1. Fundamental duties can be enforced through writ jurisdiction. 2. Fundamental duties have been integral to the Indian Constitution since its inception. 3. Fundamental duties were incorporated into the Constitution based on the suggestions of the Swaran Singh Committee. 4. Fundamental duties are applicable exclusively to Indian citizens. Choose the correct response from the options provided: a) 1 and 2 Only b) 2 and 4 Only c) 1 and 3 Only d) 3 and 4 Only
95	Slackness in business activities due to a fall in demand during depression causes a) Disguised unemployment b) Cyclical unemployment c) Open unemployment d) Structural unemployment

96	Select the items, which India shows in its current account, using the code given below. 1. Inflows due to exports and outflows due to imports 2. Inflows and outflows due to income repatriation 3. Inflows and outflows due to foreign portfolio investment 4. External lending and borrowings Code: a) 1 and 2 Only b) 2 and 3 Only c) 3 and 4 Only d) 2 and 4 Only
97	The "Vienna Convention" related with environment is basically related with a) international trade in endangered species b) protection of ozone layer c) biodiversity conservation d) preservation of cultural environment
98	The causal agent for malaria belongs to which of the following categories? a) Bacteria b) Fungi c) Protozoan d) Virus
99	Which state recently became the first to pass the Uniform Civil Code Bill? a) Uttar Pradesh b) Bihar c) Madhya Pradesh d) Uttarakhand
100	John Hopfield and Geoffrey Hinton won the Nobel Prize for physics in 2024 for their contribution to a) Artificial Intelligence b) Machine Learning with artificial neural networks c) Particle physics d) Nanoparticles
101	120 140 172 228 332 ? a) 542 b) 522 c) 502 d) 532
102	The average monthly salary of 16 workers is ₹ 800. The salary of the manager is also included then average monthly salary is increased by ₹ 50. What is the monthly salary of the manager? a) ₹ 2650 b) ₹ 1400 c) ₹ 2000 d) ₹ 1650
103	$45 - [28 - \{37 - (15 - ?)\}] = 58$, then which of the following should replace the interrogation mark? a) 18 b) 17 c) 13 d) 19

104	A man has ₹ 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. Find the total number of notes he has? a) 90 b) 75 c) 60 d) 45																					
105	What number should be added to each of the numbers 94, 24, 100 and 26 so that resulting numbers are in continued proportion? a) 10 b) 11 c) 9 d) 8																					
106	Between 6 PM and 7 PM the minute hand of a clock will be ahead of the hour hand by 3 minutes at a) 6:15 PM b) 6:18 PM c) 6:36 PM d) 6:48 PM																					
(Directions for Question No. 107-110) In the following bar diagram, the data regarding the cost of production and sales revenue of the company XYZ in the given years have been given. Study the bar diagram carefully and answer the questions. <table><thead><tr><th>Years</th><th>sales revenue</th><th>cost of production</th></tr></thead><tbody><tr><td>2004</td><td>750</td><td>625</td></tr><tr><td>2005</td><td>725</td><td>500</td></tr><tr><td>2006</td><td>550</td><td>450</td></tr><tr><td>2007</td><td>600</td><td>400</td></tr><tr><td>2008</td><td>800</td><td>500</td></tr><tr><td>2009</td><td>800</td><td>525</td></tr></tbody></table>		Years	sales revenue	cost of production	2004	750	625	2005	725	500	2006	550	450	2007	600	400	2008	800	500	2009	800	525
Years	sales revenue	cost of production																				
2004	750	625																				
2005	725	500																				
2006	550	450																				
2007	600	400																				
2008	800	500																				
2009	800	525																				
107	By what percentage the amount received from the sales in the year 2005 of the company, more than the expenditure on production in the years 2008? a) 45% b) 40% c) 48% d) 49%																					
108	In how many years was the cost of production more than the average cost of production of the given years? a) 1 b) 2 c) 3 d) 4																					

109	The cost of Production in 2004 and 2007 be increased by 25% and 30% respectively, then by what percent will the total cost in these both years be more than the sales revenue of the year 2008? a) 62.7% b) 65.7% c) 67.7% d) 68.5%
110	In which year company had the maximum profit percent? a) 2008 b) 2007 c) 2006 d) 2005
111	ਛਪਣ ਤੋਂ ਪਹਿਲਾਂ ਹੱਥ ਨਾਲ ਲਿਖੀ ਕਿਤਾਬ ਨੂੰ ਕੀ ਕਹਿੰਦੇ ਹਨ? a) ਸਵੈ-ਜੀਵਨੀ b) ਜੀਵਨੀ c) ਡਾਇਰੀ d) ਖਰੜਾ
112	ਹੇਠ ਲਿਖੇ ਸ਼ਬਦ ਸਮੂਹਾਂ ਵਿਚੋਂ ਕਿਹੜਾ ਸ਼ਬਦ ਜੋੜਾਂ ਪੱਖੋਂ ਸਹੀ ਹੈ ? a) ਖਜ਼ਾਨਾ, ਦਗ਼ਾ, ਸੀਹ b) ਖਜ਼ਾਨਾ, ਦਗ਼ਾ, ਸ਼ੀਹ c) ਖਜ਼ਾਨਾ, ਦਗ਼ਾ, ਸੀਹ d) ਖਜ਼ਾਨਾ, ਦਗ਼ਾ, ਸੀਹ
113	Endorsement ਸ਼ਬਦ ਦਾ ਪੰਜਾਬੀ ਰੂਪ ਲਿਖੋ । a) ਮੁਲ-ਅੰਕਣ b) ਪਿੱਠ-ਅੰਕਣ c) ਮੁਲਾਂਕਣ d) ਪਿੱਠ-ਅੰਕਣ
114	ਸ਼ਰਾਧ ਕਿਹੜੇ ਦੇਸੀ ਮਹੀਨੇ ਵਿਚ ਆਉਂਦੇ ਹਨ ? a) ਕੱਤਕ b) ਸਾਉਣ c) ਅੱਸੂ d) ਹਾੜ
115	ਹੇਠ ਲਿਖਿਆਂ ਵਿਚੋਂ ਨਾਂਵ ਸ਼ਬਦ ਚੁਣੋ। a) ਸ਼ਹਿਰ b) ਸੋਹਣਾ c) ਕਾਲਾ d) ਲੈਣਾ

116	'ਨਾਸਮਝੀ' ਸ਼ਬਦ ਵਿੱਚ _____ ਦੀ ਵਰਤੋਂ ਹੋਈ ਹੈ। a) ਸਿਰਫ਼ ਅਗੇਤਰ b) ਸਿਰਫ਼ ਪਿਛੇਤਰ c) ਅਗੇਤਰ ਅਤੇ ਪਿਛੇਤਰ d) ਮਧੇਤਰ
117	ਕੀ ਪੰਜਾਬੀ ਪੜਨਾਵ ਸ਼ਬਦਾਂ ਵਿੱਚ ਵੀ ਲਿੰਗ ਭੇਦ ਪਾਇਆ ਜਾਂਦਾ ਹੈ? a) ਹਾਂ b) ਨਹੀਂ c) ਕਦੇ-ਕਦੇ d) ਕੁਝ ਪੜਨਾਵਾਂ ਵਿੱਚ
118	'ਕੁਲਦੀਪ ਦੇ ਪਿਤਾ ਜੀ ਆਏ' ਵਾਕ ਵਿੱਚ 'ਪਿਤਾ' ਦਾ ਵਚਨ ਕਿਹੜਾ ਹੈ? a) ਬਹੁਵਚਨ b) ਦੇ ਵਚਨ c) ਇੱਕ ਵਚਨ d) ਤਿੰਨ ਵਚਨ
119	'Is he playing?' ਦਾ ਸੁੱਧ ਪੰਜਾਬੀ ਰੂਪ ਕਿਹੜਾ ਹੈ। a) ਕੀ ਉਹ ਖੇਡ ਰਿਹਾ ਹੈ? b) ਕੀ ਉਹ ਖੇਡਦਾ ਹੈ? c) ਕੀ ਉਹ ਖੇਡ ਚੁੱਕਾ ਹੈ? d) ਕੀ ਉਹ ਖੇਡੇਗਾ?
120	ਸਹੀ ਮਿਲਾਨ ਕਰੋ: ਸੂਚੀ- 1 (A) ਜਠੇਰਿਆਂ ਦੀ ਪੂਜਾ (B) ਬਾਹਰ ਵਧਾਉਣਾ (C) ਸੁਰਮਾ ਪੁਆਈ (D) ਦਸਤਾਰਬੰਦੀ ਸੂਚੀ- 2 (I) ਜਣੇਪੇ ਦੀਆਂ ਰਸਮਾਂ (II) ਮੌਤ ਦੀਆਂ ਰਸਮਾਂ (III) ਵਿਆਹ ਦੀਆਂ ਰਸਮਾਂ (IV) ਗਰਭ ਸੰਸਕਾਰ (A) (B) (C) (D) a) (IV) (I) (III) (II) b) (III) (II) (I) (IV) c) (III) (IV) (II) (I) d) (I) (III) (IV) (II)



PUNJAB PUBLIC SERVICE COMMISSION

REVISED ANSWER KEY FOR THE RECRUITMENT TO THE POSTS OF ARCHAEOLOGICAL
CHEMIST(GROUP-B) IN THE DEPARTMENT OF TOURISM AND CULTURAL AFFAIRS,
GOVERNMENT OF PUNJAB

ADVT. NO.-
20226

COMPETITIVE EXAM DATE: 13-06-2025

ANSWER KEY SET - [A]

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	A	25	C	49	B	73	C	97	B
2	B	26	A	50	C	74	B	98	C
3	C	27	C	51	D	75	A	99	D
4	A	28	A	52	C	76	D	100	B
5	C	29	B	53	C	77	D	101	D
6	C	30	A	54	D	78	A	102	D
7	A	31	B	55	C	79	A	103	D
8	C	32	A	56	D	80	D	104	A
9	B	33	B	57	B	81	B	105	B
10	D	34	C	58	C	82	*	106	C
11	A	35	D	59	B	83	D	107	A
12	C	36	B	60	A	84	D	108	B
13	A	37	D	61	A	85	C	109	A
14	A	38	B	62	A	86	B	110	A
15	D	39	D	63	B	87	B	111	D
16	D	40	D	64	A	88	B	112	B
17	B	41	A	65	B	89	B	113	B
18	C	42	B	66	C	90	C	114	C
19	A	43	D	67	C	91	C	115	A
20	C	44	C	68	D	92	*	116	C
21	B	45	C	69	D	93	A	117	B
22	A	46	B	70	D	94	D	118	C
23	D	47	B	71	C	95	B	119	A
24	B	48	B	72	B	96	A	120	A

DATE : 15-DEC-2025

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REVISED ANSWER KEY FOR THE RECRUITMENT TO THE POSTS OF ARCHAEOLOGICAL
CHEMIST(GROUP-B) IN THE DEPARTMENT OF TOURISM AND CULTURAL AFFAIRS,
GOVERNMENT OF PUNJAB

ADVT. NO.-
20226

COMPETITIVE EXAM DATE: 13-06-2025

ANSWER KEY SET - [B]

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	A	25	B	49	B	73	B	97	B
2	B	26	C	50	C	74	C	98	C
3	D	27	C	51	C	75	A	99	A
4	C	28	D	52	*	76	C	100	C
5	C	29	D	53	A	77	B	101	B
6	B	30	D	54	D	78	C	102	A
7	B	31	C	55	B	79	A	103	D
8	B	32	B	56	A	80	A	104	B
9	B	33	C	57	B	81	A	105	C
10	C	34	B	58	C	82	B	106	A
11	D	35	A	59	D	83	C	107	C
12	C	36	D	60	B	84	A	108	A
13	C	37	D	61	D	85	C	109	B
14	D	38	A	62	D	86	C	110	A
15	C	39	A	63	D	87	A	111	B
16	D	40	D	64	A	88	C	112	A
17	B	41	B	65	B	89	B	113	B
18	C	42	*	66	C	90	D	114	C
19	B	43	D	67	A	91	A	115	D
20	A	44	D	68	B	92	C	116	B
21	A	45	C	69	A	93	A	117	D
22	A	46	B	70	A	94	A	118	B
23	B	47	B	71	D	95	D	119	D
24	A	48	B	72	B	96	D	120	D

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CHEMIST(GROUP-B) IN THE DEPARTMENT OF TOURISM AND CULTURAL AFFAIRS,
GOVERNMENT OF PUNJAB

ADVT. NO.-
20226

COMPETITIVE EXAM DATE: 13-06-2025

ANSWER KEY SET - [C]

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	B	25	A	49	D	73	B	97	C
2	D	26	A	50	C	74	A	98	A
3	B	27	A	51	B	75	A	99	A
4	D	28	B	52	B	76	D	100	D
5	D	29	A	53	B	77	B	101	D
6	A	30	B	54	B	78	B	102	B
7	B	31	C	55	C	79	C	103	C
8	D	32	C	56	C	80	A	104	A
9	C	33	D	57	*	81	C	105	C
10	C	34	D	58	A	82	B	106	B
11	B	35	D	59	D	83	C	107	A
12	B	36	C	60	B	84	A	108	D
13	B	37	B	61	A	85	A	109	B
14	B	38	C	62	B	86	A	110	C
15	C	39	B	63	C	87	B	111	A
16	D	40	A	64	D	88	C	112	C
17	C	41	D	65	B	89	A	113	A
18	C	42	D	66	D	90	C	114	B
19	D	43	A	67	D	91	C	115	A
20	C	44	A	68	D	92	A	116	B
21	D	45	D	69	A	93	C	117	A
22	B	46	B	70	B	94	B	118	B
23	C	47	*	71	C	95	D	119	C
24	B	48	D	72	A	96	A	120	D

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CHEMIST(GROUP-B) IN THE DEPARTMENT OF TOURISM AND CULTURAL AFFAIRS,
GOVERNMENT OF PUNJAB

ADVT. NO.-
20226

COMPETITIVE EXAM DATE: 13-06-2025

ANSWER KEY SET - [D]

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	A	25	C	49	B	73	C	97	B
2	C	26	D	50	A	74	D	98	C
3	A	27	C	51	D	75	B	99	A
4	B	28	C	52	D	76	D	100	C
5	A	29	D	53	A	77	D	101	C
6	B	30	C	54	A	78	D	102	A
7	A	31	D	55	D	79	A	103	C
8	B	32	B	56	B	80	B	104	B
9	C	33	C	57	*	81	C	105	D
10	D	34	B	58	D	82	A	106	A
11	B	35	A	59	D	83	B	107	C
12	D	36	A	60	C	84	A	108	A
13	B	37	A	61	B	85	A	109	A
14	D	38	B	62	B	86	D	110	D
15	D	39	A	63	B	87	B	111	D
16	A	40	B	64	B	88	B	112	B
17	B	41	C	65	C	89	C	113	C
18	D	42	C	66	C	90	A	114	A
19	C	43	D	67	*	91	C	115	C
20	C	44	D	68	A	92	B	116	B
21	B	45	D	69	D	93	C	117	A
22	B	46	C	70	B	94	A	118	D
23	B	47	B	71	A	95	A	119	B
24	B	48	C	72	B	96	A	120	C

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