



Bihar Public Service Commission, Patna

Advt. No.-41/2025, Motor Vehicle Inspector

Subject-Automobile Engineering, Paper-II

Exam Date: 10-08-2025

Final Answer key, Set-I

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



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Final Answer key, Set-J

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



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Final Answer key, Set-K

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



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Final Answer key, Set-L

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

Jumbled Question Number of Different Sets				
Set-I (Question No.)	Set-J (Question No.)	Set-K (Question No.)	Set-L (Question No.)	Answer
02	67	41	88	Deleted
11	76	50	97	3 Only
27	92	66	13	Varies Linearly with the radial distance
71	36	10	57	Skin tanning
72	37	11	58	Thermal Pollution

Reason As per Set-I

Q.No.- 02- Deleted.

Reason :- Tensile stress increases up to upper yield limit. However tensile stress does not increase linearly near elastic limit. The rate of change of tensile stress at elastic limit is lower than the rate of change of stress up to Proportional limit.

Ref:- Strength of Materials by J.H. Ryder, ELBS Publisher.

Q.No.- 11- The Provisional answer is options 'D', but the correct answer is option 'C'.

Reason :- Ref:- The Material Science Text Book by
R.S. Khurmi & R.S. Sedha
S. Chand Publisher.

Q.No.- 27- The Provisional answer is options 'D', but the correct answer is option 'B'.

Reason :- Shear stress, $\tau = \frac{dp}{dx} \times \frac{r}{2}$

so shear stress varies linearly with radial distance (r).

Ref:- 1)- The Fluid Mechanics & Hydraulics by

D.R. Malhotra & N.K. Malhotra, Satya Prakashan, New Delhi

2)- The Fluid Mechanics by R.K. Bansal, Laxmi Publication.

Q.No.- 71- The Provisional answer is options 'B', but the correct answer is option 'D'.

Reason :- Ref:- 1) Center for Disease for control & Prevention (CDC), USA.
2) WHO Website. (Radiation & Health, 7th July 2023)

Q.No.- 72- No Change.

Reason :- The Text Book of Power Plant Engg. by R.K. Rajput, 4th edition,
Laxmi Publication (Pvt. Ltd.) Page No. - 1008.