

JEST 2019 Answer Key for Physics A Series

Part A: 1 Marks MCQ

S. No	Answer	S. No	Answer	S. No	Answer	S. No	Answer	S. No	Answer
1	A	6	C	11	A	16	B	21	B
2	B	7	B	12	D	17	C	22	B
3	C	8	*	13	C	18	D	23	D
4	D	9	A	14	A	19	B	24	D
5	D	10	A	15	D	20	B	25	C

* The correct answer is $Z = \frac{1}{1 - e^{-\frac{\epsilon}{k_B T}}}$, which is the same as option B with a “minus sign” missing from the exponent. Because of this typographic error, 1 grace mark will be awarded to all the candidates.

Part B: 3 Marks MCQ

S. No	Answer	S. No	Answer	S. No	Answer
1	C	6	A	11	A
2	B	7	C	12	C
3	A	8	A	13	D
4	A	9	C	14	A
5	A	10	D	15	A

Part C: 3 Marks Numerical

S. No	Answer	S. No	Answer
1	0981	6	0042
2	0003	7	0004
3	0064	8	2500 (or) 2501
4	0060 (or) 0120	9	0008
5	0055	10	*

* $\frac{P}{\pi^3}$ should have been $\frac{P}{\pi^4}$ to get the correct answer in integer from as 0018. Because of this typographic error in the question, 3 grace marks will be awarded to all the candidates.