

**JEST 2019 Answer Key for Physics C Series**

**Part A: 1 Marks MCQ**

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

\* 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	D	11	A
2	C	7	C	12	B
3	A	8	D	13	A
4	A	9	A	14	A
5	A	10	C	15	A

**Part C: 3 Marks Numerical**

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

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