

TS EAMCET 2025 April 30 Question Paper

Time Allowed :3 Hours	Maximum Marks : 160	Total Questions :160
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General Instructions

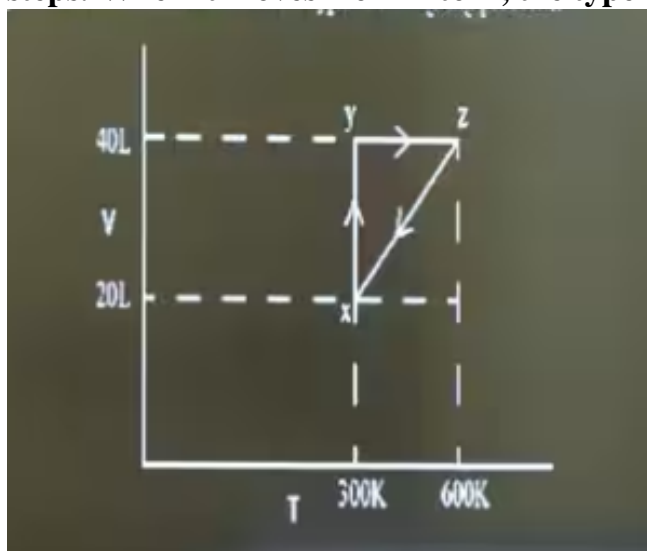
Read the following instructions very carefully and strictly follow them:

1. This question paper comprises 160 questions.
2. The Paper is divided into three parts- Biology, Physics and Chemistry.
3. There are 40 questions in Physics, 40 questions in Chemistry and 80 questions in Biology.
4. For each correct response, candidates are awarded 1 marks.

1. Match the following:

List I		List II	
A) Chadwick	I)	Cathode rays	
B) Rutherford	II)	X-rays spectra	
C) Mosley	III)	Discovery of neutrons	
D) J. J. Thomson	IV)	Nuclear atom model	

2. The following graph indicates the system containing 1 mole of gas involving various steps. When it moves from Z to X, the type of undergoing process is:



- (1) Cyclic
- (2) Isothermal
- (3) Isobaric

3. Which of the following options represents the correct ionic radii in Å of N^{3-} , O^{2-} , and F^- respectively?

- (1) 1.71, 1.36 and 1.40
- (2) 1.71, 1.40 and 1.36
- (3) 1.36, 1.40 and 1.71
- (4) 1.40, 1.36 and 1.71