

Instruction to candidate appearing for GP Rating CET

1. The Paper has three sections. All the sections are compulsory. Attempt all questions.
2. The duration of the paper is 1.5 hours
3. **No** negative marking for wrong answer.
4. Use black or blue pen only for writing answers.
5. Please start writing only when asked to do so by the invigilator.
6. Candidate who disobey instruction or adapts unfair means will be made to leave the examination hall immediately. Results of such a candidate will be with-held.
7. Water will be supplied within the hall. Any abnormal health conditions must be declared before the commencement of the examination.
8. No candidate will be permitted to leave the examination hall until one hour after the commencement of the examination and fifteen minutes before the end of examinations.
9. Do not exchange writing material (e.g. pen, paper, etc.) with any other candidate. If you need something, request the invigilator.
10. Read the instructions before answering any question
11. In the answer script please write your name, allotted roll no., date of birth, date of examination, present qualification and signature in the sections marked for it.
12. Please carry your admit card with you for the examination.
13. No calculators or mobile phones allowed inside the class room
14. The distribution of the marks and contents of the paper is as follows:

Q	Type of Questions (All questions to be attempted)	Max. Marks	Score
	ENGLISH	50	
1	Comprehension - reading a paragraph and answering 5 simple questions based on the facts in the paragraph	10	
2-3	Making simple sentences using simple words	10	
4-5	Vocabulary Assessment	10	
6-7	Questions to test grammar/verbs	10	
8	Names of objects from Pictures	10	
	Science	50	
9-12	Physics	25	
13-16	Chemistry	25	
	Mathematics	50	
17-19	Arithmetic	15	
20-22	Algebra	20	
23-25	Geometry	15	
	Total Marks	150	

English Sample Questions

Comprehension

Read the following passage and answer the questions given below it:

Raja Ram Mohan Roy was a zealous social worker holding modern and progressive views. He firmly stood against social bigotry, conservatism and superstition and advocated English and western education for his fellowmen. He knew many languages viz. English, Persian, Arabic, Latin, French and even Hebrew. He was born on August 14, 1774 in West Bengal. He joined the East India Company in 1803. The title 'Raja' was conferred on Ram Mohan Roy by the Mogul Emperor. In 1814, he founded the *Atmiya Sabha* and in 1828, the 'Brahmo Samaj'. He abolished the practice of 'Sati', 'Child Marriage' and the 'Purdah'. He is rightly called the 'Father of Indian Renaissance' or the 'Father of Indian Nationalism'. He died on 27th September 1833 in England.

Name	
Date of Birth	
Stood against	
Title of Raja	
Known as	
Abolished	
Founded	
Languages known	

Make simple sentences using words

Strong	
Manners	
Confident	

Vocabulary Assessment

Explain the meaning of the following words





Gratitude	
Panic	
Extravagant	

Question to test grammar/verbs

Fill in the blanks using “Is or Are”:

1.	There many chairs in this room
2.	English..... my favourite subject
3. Clothing expensive in your country?

Name of Objects from pictures

Science- Physics sample questions

Fill in the blanks using the right term in the below sentences

1.	The material used for fuse has a low melting point
2.	Wood and glass are Insulators
3.	The device used for producing current is called a
4.	The direction of the magnetic field around a straight conductor carrying current is given by.....
5.	The focal length of a lens is positive

The weight of liquid displaced by a floating object is _____.	
A) Same as weight of object	B) Less than the weight of the object
C) More than the weight of the object	D) Equal to the weight of the object

Give reasons why

1. The melting point of filament of a bulb is very high
2. What is the difference between short circuiting and overloading?
3. Concave mirrors are used in solar devices
4. A pressure cooker is used for cooking food
5. A bullet shot from a gun goes well inside a wooden block but a thrown by hand does not

Match the column

i) Negative acceleration	a) $F = MA$
ii) Force Equation	b) Retardation
iii) Burning coal	c) Converts chemical energy to heat energy

Science-Chemistry sample questions**Give reasons why**

1. Grills of doors and windows are always painted before they are used
2. Sodium is stored under kerosene

Name one metal each occurring as a

Sulphide	
Carbonate	
Oxide	

Write down chemical equations for the following

1. Metal reacting with hydrochloric acid
2. Metal reacting with nitric acid
3. Metal reacting with sulphuric acid
4. Acid reacting with an alkali

Fill in the blank by choosing the proper alternatives from the given options and complete and complete the following sentence

1. Conversion of a metal oxide to a metal is called..... a) Oxidation b) Reduction c) Metal extraction d) Refining
2. Anode is the terminal of a battery a) Positive b) Negative c) Neutral d) Earthing

Match the column

1) Alum	a) Ferrous sulphate
2) Green Vitriol	b) Chloride of lime
3) Bleaching powder	c) Potassium Aluminium Sulphate

Mathematics-Arithmetic sample questions

1. In an examination, 65% of the total examinees passed. If the number of failures is 420, the total number of examinees is: a) 567 b) 693 c) 1000 d) 1200
2. The wheat sold by a grocer contains 10% low quality wheat. What quantity of good quality wheat should be added to 150kg of wheat so that the percentage of low quality wheat becomes 5%? a) 50kg b) 85kg c) 135 kg d) 150 kg e) None of the above
3. A walks at a uniform rate of 4 km an hour and 4 hours after his start, B cycles after him at a uniform rate of 10 km an hour. How far from the starting point will B catch A? a) 16.7km b) 18.6km c) 21.5km d) 26.7km
4. The curved surface area of a circular pillar is 528 square metre and its volume is 2772 cubic metre. The height of the pillar is: a) 10.5m b) 7.5m c) 8m d) 5.25m

Mathematics- Algebra sample questions

1. If $x = 2$, $y = 3$ is the solution of the equation $2x + ky = 1$ find k
2. Solve the following simultaneous equation: $3x - 2y = 1$; $x + 4y = 12$
3. Solve the following quadratic equation by factorization method: $(2x + 5)^2 = 9$
4. Simplify: $\frac{3x+11}{2x+3} - \frac{x-5}{2x+3}$

Mathematics- Geometry sample questions

1. The volume of a cube is 216cm^3 . Find the total surface area of the cube?
2. Show that $\sin^2 45^\circ + \cos^2 45^\circ = 1$
3. If $\tan A = \frac{2}{\sqrt{7}}$ then find the values of all trigonometric ratios of angle A .
4. A circle of radius 4 cm has two tangents AB and CD parallel to each other. What is the distance between these tangents.