



বিশ্বভারতী  
विश्वभारती  
Visva-Bharati



आचार्य: श्री नरेंद्र मोदी  
ACHARYA (CHANCELLOR)  
SHRI NARENDRA MODI

संस्थापक: रवीन्द्रनाथ ठाकुर  
Founder: Rabindranath Tagore

उपाचार्य: प्रोफेसर विद्युत चक्रवर्ती  
UPACHARYA (VICE-CHANCELLOR)  
PROF. BIDYUT CHAKRABARTY

## NOTICE

### IGNITE-2022

Interested students are requested to go through the attached information sheets of **National Institute of Science Education and Research (NISER)** for necessary information and application process.

**Director, PSNS (Officiating)**  
**Visva-Bharati, Santiniketan**

Ref. No.: DIR/PSNS/PAC/45/2022-23  
Date: 11.04.2022

## ***Inquizitive***

**National Institute of Science Education and Research (NISER)**, led by the Science Activities Club (SAC) is hosting a bunch of exciting competitions to bring out the scientists within the students. Hence, the NISER Outreach committee, duly assisted by SAC announces “**IGNITE-2022: Celebrating the 75th year of Independence**”, a series of activities planned across the calendar to connect more with the students. Out of the many competitions planned, one is ***Inquizitive***, an unconventional and multidimensional quiz competition that would test the *analytical and logical skills* of senior-high schools and undergraduates. The quiz is held in 4 legs, each for *Physics, Chemistry, Mathematics* and *Biology*. The dates and venue are as follows,

**1)Biology quiz**

**Date:** *16th April, 2022* (Saturday)

**Time:** 10am-12pm

**2)Mathematics quiz**

**Date:** *16th April, 2022* (Saturday)

**Time:** 3pm-5pm

**3)Chemistry quiz**

**Date:** *17th April, 2022* (Sunday)

**Time:** 10am-12pm

**4)Phyics quiz**

**Date:** *17th April, 2022* (Sunday)

**Time:** 3pm-5pm

**Venue :** *Online*



NISER, Bhubaneswar

# *Ignite*

2022



## INQUIZITIVE

## BIOLOGY

"Translate clues into answers"

- 11TH/12TH SCHOOL STUDENTS
- 1ST/2ND YEAR UNDERGRADS

**APRIL 16, 2022**  
**SATURDAY**

**10:00 AM - 12:00 PM**  
**VIA ONLINE MODE**

### PRIZES

FIRST : ₹3000  
SECOND : ₹2000  
THIRD : ₹1000

FOR MORE INFORMATION CONTACT US AT:

**[ignite.helpdesk.2022@gmail.com](mailto:ignite.helpdesk.2022@gmail.com)**

**Click Here**  
**To Register**



# SciQuiz

## Biology

by Science Activities  
Club, NISER



16th April, 2022

TIME ALLOTTED: 2 HOURS

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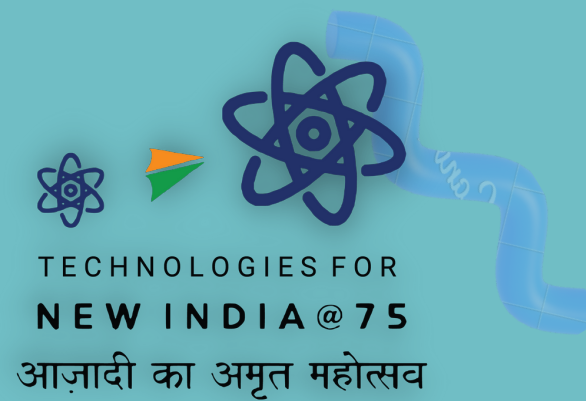
### INSTRUCTIONS TO CANDIDATES

1. This examination paper contains **TWENTY (12)** questions in total. The maximum attainable marks are 60
2. There are **two sections** in this question paper - A, and B, having 9 and 3 questions respectively
  - (a) Section A - This part of the paper consists of **9 Multiple Choice Questions**. You have to choose the correct answer from the set of options given to you, along with an explanation (less than 50 words). Each correct answer will get you **4 points**. In order to qualify for evaluation of the 2nd section, you need to score 60% or higher in this section
  - (b) Section B - This part consists of **3 Subjective Questions** where you need to arrive at the correct answer while working out the problem in full. Each correct answer will get you **8 points**
3. There is only one correct response to each question in Section A. Filling up more than one response in any question will be treated as a wrong response
4. You have the freedom to choose the kind of paper you wish to write your answers on, but the duty of ensuring that the answers are legible lies with you
5. You will have to scan your answers when you conclude answering the questions and attach the .pdf file through the Google form link provided to you
6. You are allowed to use references without a penalty given that you cite these references in your answer sheet. Please provide correct titles with page numbers in case you cite a book
7. Plagiarised answers without references will lead to a penalty up to 20%, depending on the severity of the particular case
8. Unattempted questions will not affect your score
9. You have 2 hours to write your answers (10:00 am to 12:00 pm)
10. There will be only 15 minutes of extra time for you to submit your answers. You should use this time to write only if you're absolutely sure that you'll be able to submit your answers before 12:15 pm



# Ignite

2022



# INQUIZITIVE

A QUIZ ON SCIENCE

NISER OUTREACH PRESENTS

## Mathematics

Two categories:

- 11th - 12th Students
- 1st- 2nd year college students

1st prize  
**RS. 3000**

2nd prize  
**RS. 2000**

3rd prize  
**RS. 1000**



- DATE: 16TH APRIL, SATURDAY
- TIME: 3 PM - 5 PM

TO REGISTER  
**CLICK  
HERE!**



National Institute of Science Education  
and Research, Jatni, Khurdha, Odisha



ignite.helpdesk.2022@gmail.com



# InQuizitive

## Mathematics



by Science Activities  
Club, NISER

16th April, 2022

TIME ALLOTTED: 2 HOURS

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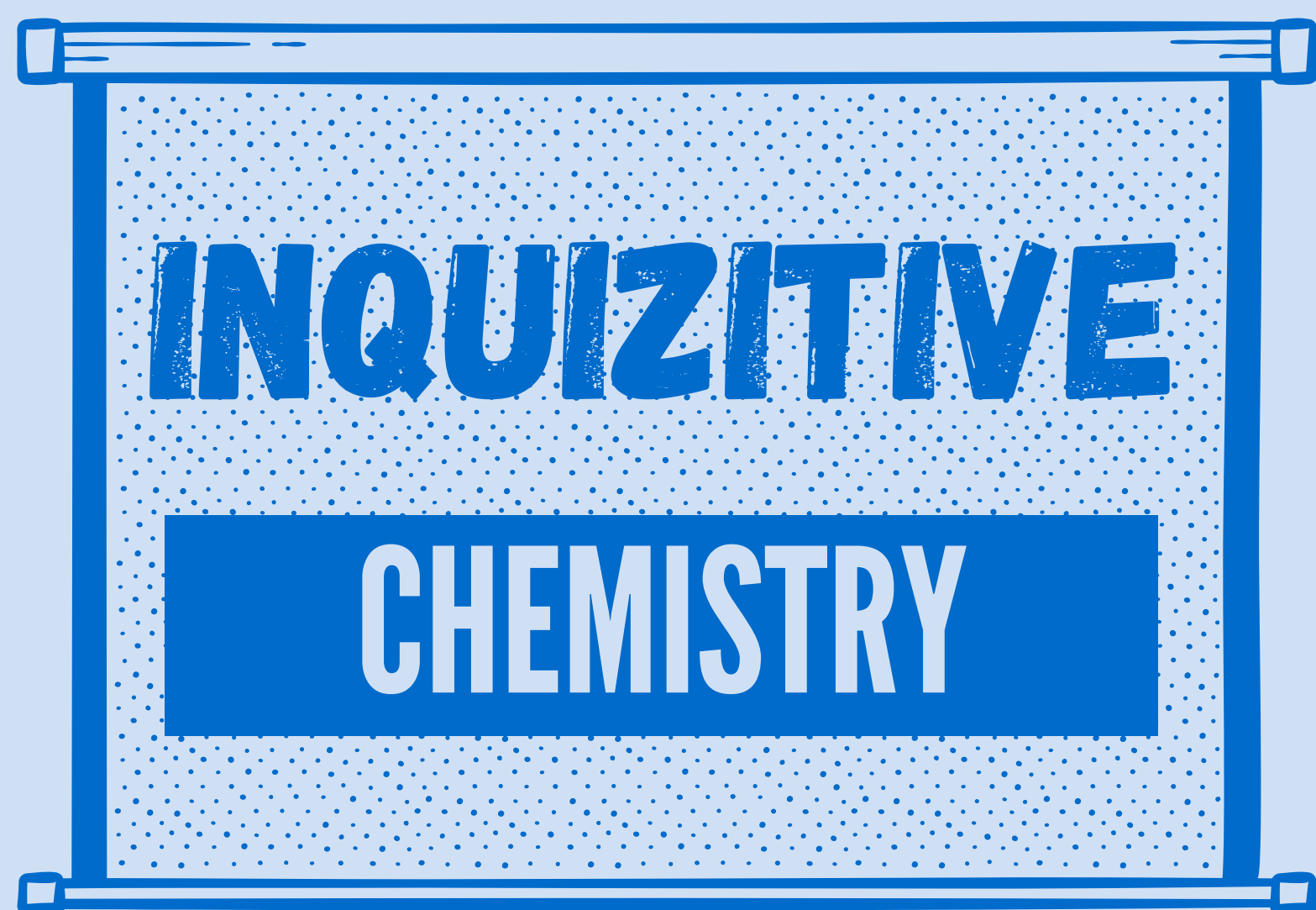
### INSTRUCTIONS TO CANDIDATES

1. This examination paper contains **EIGHT (8)** questions in total. The maximum attainable marks are 80.
2. There are **two sections** in this question paper - A, and B, having 6 and 2 questions respectively.
  - (a) Section A - This part of the paper consists of **6 Multiple Choice Questions**. You have to choose the correct answer from the set of options given to you, along with an explanation (less than 50 words). Each correct answer will get you **5 points**. The questions with multiple correct options have been indicated in the question paper explicitly. In order to qualify for evaluation of the 2nd section, you need to score 15 points or higher in this section.
  - (b) Section B - This part consists of **2 Subjective Questions** with sub-questions, where you need to arrive at the correct answer while working out the problem in full. The subdivision of marks has been indicated in the question paper. The total marks for each question is **25 points**.
3. For multiple correct questions in Section A, selecting all the correct options will fetch you 5 points, and anything else gets you a zero.
4. You have the freedom to choose the kind of paper you wish to write your answers on, but the duty of ensuring that the answers are legible lies with you.
5. You will have to scan your answers when you conclude answering the questions and attach the .pdf file through the Google form link provided to you.
6. You are allowed to use references without a penalty given that you cite these references in your answer sheet. Please provide correct titles with page numbers in case you cite a book.
7. Plagiarised answers without references will lead to a penalty up to 20%, depending on the severity of the particular case.
8. Unattempted questions will not affect your score.

9. You have 2 hours to write your answers (3:00 pm to 5:00 pm).
10. An additional 15 minutes will be given for scanning and uploading your answers. The Google form will stop accepting responses at 5:15 pm, without any exceptions.
11. In case of any conflict, the decision of the organizers will be final and binding.



Come one, come all...



Via online mode  
Date: 17th April 2022  
Time: 10 AM to 12 noon

### Categories:

- 11th and 12th standard
- 1st and 2nd year UG

[Click here to register.....](#)

Presented by,

*Ignite*  
2022



*"Chemistry begins in the stars. The stars are the source of the chemical elements, which are the building blocks of matter and the core of our subject."*

- Peter Atkins

CONTACT US:

[ignite.helpdesk.2022@gmail.com](mailto:ignite.helpdesk.2022@gmail.com)





# INQUIZITIVE

By Science Activities Club, NISER



## CHEMISTRY

Date: 17<sup>th</sup> April, 2022

### Guidelines for the students:

1. All questions are mandatory.
2. There are two sections in the paper:
  - Section A - This part of the paper consists of **10** MCQ questions. You have to choose the correct answer from the set of options given to you, along with an explanation (less than 50 words). Each correct answer will get you **4 points**. In order to qualify for evaluation of the 2nd section, you need to score above 60% of the points in this section (i.e.  $\geq 10 \times 4 \times 0.6 = 24$ ). There is only one correct answer to each question in this section. Filling up multiple responses will be treated as an incorrect response. There is no negative marking for incorrect responses.
  - Section B - This part consists of **5** subjective questions where you need to arrive at the correct answer while working out the problem in full. Each correct answer will get you **8 points**. You need not derive any fundamental formulas which you will use while answering the questions, however you must mention the formula which you are using.
3. The maximum marks for the paper are **80**.
4. You have the freedom to choose the kind of paper you wish to write your answers on, but the duty of ensuring that the answers are legible lies with you.
5. You will have to scan your answers when you conclude answering the questions and attach the .pdf file through the Google form link provided to you.
6. You are allowed to use references without a penalty given that you cite these references in your answer sheet. Please provide correct titles with page numbers in case you cite a book.
7. Plagiarized answers without references will lead to a penalty up to disqualification, depending on the severity of the particular case.
8. You have 2 hours to write your answers (10:00 am to 12:00 pm).
9. There will be only 15 minutes of extra time for you to submit your answers. You should use this time to write only if you're absolutely sure that you'll be able to submit your answers before 12:15 pm.
10. If you have any questions regarding the competition theme or rules, please contact us at [ignite.helpdesk.2022@gmail.com](mailto:ignite.helpdesk.2022@gmail.com).





OPEN DAY 2022

# INQUIZITIVE PHYSICS

National Institute of Science Education and Research,  
Bhubneswar

FOR 11TH-12TH STUDENTS OF SCIENCE

● 1ST PRIZE : RS. 3000

● 2ND PRIZE : RS. 1000

● 3RD PRIZE : RS. 700

REGISTER  
HERE

CONTACT US:

[ignite.helpdesk.2022@gmail.com](mailto:ignite.helpdesk.2022@gmail.com)



# InQuizitive

## Physics

by Science Activities  
Club, NISER



17th April, 2022

TIME ALLOTTED: 2 hours

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### INSTRUCTIONS TO CANDIDATES

1. This paper contains **TWENTY (20)** questions in total. The maximum attainable marks are **100**
2. There are **two sections** in this paper.
  - (a) Section A - This part of the paper consists of **15 Multiple Choice Questions**. You have to choose the correct answer from the set of options given to you, along with an explanation (less than 50 words). Each correct answer will get you **4 points**. In order to qualify for evaluation for Section B, you need to score 60% or higher in this section
  - (b) Section B - This part consists of **5 Subjective Questions** where you need to arrive at the correct answer while working out the problem in full. Each correct answer will get you **8 points**
3. There is **only one correct response** to each question in Section A. Filling up more than one response in any question will be treated as a wrong response
4. You have the freedom to choose the kind of paper you wish to write your answers on, but the duty of ensuring that the answers are legible lies with you
5. You will have to scan your answers when you conclude answering the questions and attach the **pdf file** through the **Google form link** provided to you
6. You are allowed to use references without a penalty given that you cite these references in your answer sheet. Please provide correct titles with page numbers in case you cite a book
7. Plagiarised answers without references will lead to a penalty up to **20%**, depending on the severity of the particular case
8. Unattempted questions will not affect your score
9. You have **2 hours** to write your answers (**3:00 pm to 5:00 pm**)
10. There will be **only 15 minutes of extra time** for you to submit your answers. You should use this time to write only if you're absolutely sure that you'll be able to submit your answers **before 5:15 pm**