

# Accessibility Survey - Online Competitive Exams

The purpose of this research project is to identify the various challenges faced by students with disabilities in competitive online exams. This is a research project being conducted by Mr. Pawan Kumar Patel, a dual-degree student at IIT Kanpur. You are invited to participate and contribute in this research survey by notifying us of any challenges you might have faced during online exams.

Your participation in this research study is voluntary. You may choose not to participate. If you decide to participate in this research survey, you may withdraw at any time. If you decide not to participate in this study or if you withdraw from participating at any time, you will not be penalised.

The procedure involves filling an online google form. Your responses will be confidential and we do not collect identifying information such as your name, email address or IP address. The survey questions will be about user-friendliness of exam interface.

We will do our best to keep your information confidential. All data is stored in a password protected electronic format. To help protect your confidentiality, the surveys will not contain information that will personally identify you. The results of this study will be used for scholarly purposes only.

If you have any questions about the research study, please contact Mr. Pawan Kr. Patel at [patelpawan456@gmail.com](mailto:patelpawan456@gmail.com) / [patelp@iitk.ac.in](mailto:patelp@iitk.ac.in)

**ELECTRONIC CONSENT:** Please select your choice below. Clicking on the "I agree" button below indicates that

1. You have read the above information.
2. You voluntarily agree to participate

\* Required

## 1. ELECTRONIC CONSENT \*

*Mark only one oval.*

I agree

## Personal Information

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### 2. Age \*

\_\_\_\_\_

**3. Type Of Disability \***

Check all that are applicable to you

*Check all that apply.*

- Blindness
- Low Vision
- Locomotors including Orthopaedic Disability
- Cerebral Palsy
- Leprosy Cured
- Hearing impaired (deaf and hard of hearing)
- Dwarfism
- Muscular dystrophy
- Acid Attack victims
- Speech and language disability
- Intellectual Disability/Slow Learners
- Autism spectrum disorder
- Specific learning disabilities
- Mental Illness
- Multiple disabilities including deaf-blindness
- Chronic neurological condition
- Parkinson's disease
- Multiple sclerosis
- Haemophilia
- Thalassemia
- Sickle cell disease
- Other: \_\_\_\_\_

**4. Extent of Disability \***

*Mark only one oval.*

- 40% - 60%
- 60% - 70%
- 70% - 80%
- 80% - 90%
- 90% - 100%

*Skip to question 5.*

**Examination - Without any accommodation**

Accommodation means “necessary and appropriate modification” and adjustments. It implies not imposing a disproportionate or undue burden, where needed in a particular case, to ensure to persons with disabilities the enjoyment or exercise on an equal basis with others of all human rights and fundamental freedoms

The following few questions pertain to the user-friendliness of the examination interface without any foreign assistance.

**5. Name of Online Exam you appeared in \***

Check one online exam in which you have appeared. In case of multiple exams, you will be redirected to fill the various questions again. You can fill this form for maximum three online exams you have appeared in. In case you have appeared in more than three online exams, Please choose the exams wisely. Please do not check the offline exam

Mark only one oval.

- JEE-Main
- JEE-Advanced
- NEET
- GATE
- JAM
- Other: \_\_\_\_\_

**6. To what extent are you able to read the questions/instructions during the exam without any assistance? \***

Mark only one oval.

- 0 - 10%
- 10% - 20%
- 30% - 40%
- 40% - 50%
- 50% - 60%
- 60% - 70%
- 70% - 80%
- 80% - 90%
- 90% - 100%

**7. How difficult do you find reading the long words in Capital letters e.g. ENVIRONMENT, EXAMINATIONS, COMPETITIONS? \***

Mark only one oval.

- |      |                       |                       |                       |                       |                       |                     |
|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|      | 1                     | 2                     | 3                     | 4                     | 5                     |                     |
| Easy | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Extremely Difficult |

**8. How difficult do you find reading the subscript / superscript text in various questions? \***

Mark only one oval.

- |      |                       |                       |                       |                       |                       |                     |
|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|      | 1                     | 2                     | 3                     | 4                     | 5                     |                     |
| Easy | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Extremely Difficult |

**9. Which of the following are major reasons for being not able to read the questions? \***

Check all that apply.

- Font size was not appropriate
- Color contrast was poor
- Not Applicable
- Other: \_\_\_\_\_

10. Which of the following parts, apart from text, are not accessible ? Check all that are applicable for you \*

Check all that apply.

- Icons
- Badges
- Calculator
- Images
- Not Applicable
- Other: \_\_\_\_\_

Skip to question 23.

## Examination - Without any accommodation

Accommodation means “necessary and appropriate modification” and adjustments. It implies not imposing a disproportionate or undue burden, where needed in a particular case, to ensure to persons with disabilities the enjoyment or exercise on an equal basis with others of all human rights and fundamental freedoms

The following few questions pertain to the user-friendliness of the examination interface without any foreign assistance.

11. Name of Online Exam you appeared in \*

Check one online exam in which you have appeared. In case of multiple exams, you will be redirected to fill the various questions again. You can fill this form for maximum three online exams you have appeared in. In case you have appeared in more than three online exams, Please choose the exams wisely. Please do not check the offline exam

Mark only one oval.

- JEE-Main
- JEE-Advanced
- NEET
- GATE
- JAM
- Other: \_\_\_\_\_

12. To what extent are you able to read the questions/instructions during the exam without any assistance? \*

Mark only one oval.

- 0 - 10%
- 10% - 20%
- 30% - 40%
- 40% - 50%
- 50% - 60%
- 60% - 70%
- 70% - 80%
- 80% - 90%
- 90% - 100%

13. How difficult do you find reading the long words in Capital letters e.g. ENVIRONMENT, EXAMINATIONS, COMPETITIONS? \*

Mark only one oval.

1	2	3	4	5	
Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extremely Difficult

14. How difficult do you find reading the subscript / superscript text in various questions? \*

Mark only one oval.

1	2	3	4	5	
Easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extremely Difficult

15. Which of the following are major reasons for being not able to read the questions? \*

Check all that apply.

- Font size was not appropriate
- Color contrast was poor
- Not Applicable
- Other: \_\_\_\_\_

16. Which of the following parts, apart form text, are not accessible ? Check all that are applicable for you \*

Check all that apply.

- Icons
- Badges
- Calculator
- Images
- Not Applicable
- Other: \_\_\_\_\_

Skip to question 43.

## Examination - Without any accommodation

Accommodation means “necessary and appropriate modification” and adjustments. It implies not imposing a disproportionate or undue burden, where needed in a particular case, to ensure to persons with disabilities the enjoyment or exercise on an equal basis with others of all human rights and fundamental freedoms

The following few questions pertain to the user-friendliness of the examination interface without any foreign assistance.

**17. Name of Online Exam you appeared in \***

Check one online exam in which you have appeared. In case of multiple exams, you will be redirected to fill the various questions again. You can fill this form for maximum three online exams you have appeared in. In case you have appeared in more than three online exams, Please choose the exams wisely. Please do not check the offline exam

Mark only one oval.

- JEE-Main
- JEE-Advanced
- NEET
- GATE
- JAM
- Other: \_\_\_\_\_

**18. To what extent are you able to read the questions/instructions during the exam without any assistance? \***

Mark only one oval.

- 0 - 10%
- 10% - 20%
- 30% - 40%
- 40% - 50%
- 50% - 60%
- 60% - 70%
- 70% - 80%
- 80% - 90%
- 90% - 100%

**19. How difficult do you find reading the long words in Capital letters e.g. ENVIRONMENT, EXAMINATIONS, COMPETITIONS? \***

Mark only one oval.

- |      |                       |                       |                       |                       |                       |                     |
|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|      | 1                     | 2                     | 3                     | 4                     | 5                     |                     |
| Easy | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Extremely Difficult |

**20. How difficult do you find reading the subscript / superscript text in various questions? \***

Mark only one oval.

- |      |                       |                       |                       |                       |                       |                     |
|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|      | 1                     | 2                     | 3                     | 4                     | 5                     |                     |
| Easy | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | Extremely Difficult |

**21. Which of the following are major reasons for being not able to read the questions? \***

Check all that apply.

- Font size was not appropriate
- Color contrast was poor
- Not Applicable
- Other: \_\_\_\_\_

**22. Which of the following parts, apart from text, are not accessible ? Check all that are applicable for you \***

*Check all that apply.*

- Icons
- Badges
- Calculator
- Images
- Not Applicable
- Other: \_\_\_\_\_

*Skip to question 63.*

## **Examination - With accommodations**

Accommodation means “necessary and appropriate modification” and adjustments. It implies not imposing a disproportionate or undue burden, where needed in a particular case, to ensure to persons with disabilities the enjoyment or exercise on an equal basis with others of all human rights and fundamental freedoms

The following few questions pertain to the user-friendliness of the examination interface while availing existing assistance.

**23. Which of the following assistance would you like to use during the examination? Check all that applies to you \***

*Check all that apply.*

- No Assistance Required
- Scribe
- Screen Reader
- Large text (Magnified text)
- Option for choosing color contrast
- Other: \_\_\_\_\_

**24. What is your preferred way of reading the questions? \***

*Mark only one oval.*

- Regular Text, without magnification
- Magnification of Text
- Color contrast mode
- Scribe
- Screen Reader
- Other: \_\_\_\_\_

**25. Please specify the reason for your preference for the previous question (Magnification/Scribe/Screen Reader/ Other)**

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**26. How does magnification affect your reading speed during the exam? \***

Mark only one oval.

	1	2	3	4	5	
Not at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Significantly

**27. Did you get the magnification enabled in the exam? \***

Mark only one oval.

- Yes  
 No  
 Not Applicable

**28. If you have answered "yes" to the previous question . Please let us know to what extent are you able to read the questions/instructions during the exam after enabling the magnification?**

Mark only one oval.

- 0 - 10%  
 10% - 20%  
 30% - 40%  
 40% - 50%  
 50% - 60%  
 60% - 70%  
 70% - 80%  
 80% - 90%  
 90% - 100%

**29. Does magnification causes problem of heavy scrolling? \***

Mark only one oval.

- Yes  
 No  
 Not Applicable

**30. Do you think that bigger monitor setup will help you in reading the questions more easily? \***

Mark only one oval.

- Yes  
 No  
 Maybe  
 Not Applicable

**31. Did you avail the facility of scribe in the exam? \***

Mark only one oval.

- Yes  
 No  
 Not Applicable

**32. How does a scribe affects your performance in the examination ? \***

Mark only one oval.

- Does not affect at all
- Enhances performance
- Undermines performance
- Not Applicable

**33. According to you, is there a difference between reading on your own and being assisted by scribe? \***

Mark only one oval.

- Yes
- No
- Not Applicable

**34. If yes ! Please specify how does a scribe impact your performance in the exam?**

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**35. Was the normal duration of exam sufficient for you to complete the exam? \***

Mark only one oval.

- Yes
- No

**36. If the normal duration was not sufficient, did you avail the facility of compensatory time during the examination? \***

Mark only one oval.

- Yes
- No
- Not Applicable

**37. If yes, did compensatory time help in completing the exam ? \***

Mark only one oval.

- Yes
- No
- Not Applicable

**38. Which of the following assistance were available to you during the examination? Check all that applies to you \***

*Check all that apply.*

- Scribe
- Screen Reader
- Magnification Enabled
- Option for choosing color contrast
- No Assistance was available
- Not Applicable
- Other: \_\_\_\_\_

**39. How would you rate the interface of online exam? \***

*Mark only one oval.*

0	1	2	3	4	5	
Very Poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excellent

**40. Any other difficulties you faced during the exam?**

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**41. Comments / Suggestions to improve the exam interface?**

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**42. Have you appeared in another online exam ? \***

*Mark only one oval.*

- Yes     *Skip to question 11.*
- No     *Stop filling out this form.*

**Examination - With accommodations**

Accommodation means “necessary and appropriate modification” and adjustments. It implies not imposing a disproportionate or undue burden, where needed in a particular case, to ensure to persons with disabilities the enjoyment or exercise on an equal basis with others of all human rights and fundamental freedoms

The following few questions pertain to the user-friendliness of the examination interface while availing existing assistance.

**43. Which of the following assistance would you like to use during the examination? Check all that applies to you \***

*Check all that apply.*

- No Assistance Required
- Scribe
- Screen Reader
- Large text (Magnified text)
- Option for choosing color contrast
- Other: \_\_\_\_\_

**44. What is your preferred way of reading the questions? \***

*Mark only one oval.*

- Regular Text, without magnification
- Magnification of Text
- Color contrast mode
- Scribe
- Screen Reader
- Other: \_\_\_\_\_

**45. Please specify the reason for your preference for the previous question (Magnification/Scribe/Screen Reader/ Other)**

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**46. How does magnification affect your reading speed during the exam? \***

*Mark only one oval.*

1	2	3	4	5	
Not at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Significantly

**47. Did you get the magnification enabled in the exam? \***

*Mark only one oval.*

- Yes
- No
- Not Applicable

48. If you have answered "yes" to the previous question . Please let us know to what extent are you able to read the questions/instructions during the exam after enabling the magnification?

Mark only one oval.

- 0 - 10%
- 10% - 20%
- 30% - 40%
- 40% - 50%
- 50% - 60%
- 60% - 70%
- 70% - 80%
- 80% - 90%
- 90% - 100%

49. Does magnification causes problem of heavy scrolling? \*

Mark only one oval.

- Yes
- No
- Not Applicable

50. Do you think that bigger monitor setup will help you in reading the questions more easily? \*

Mark only one oval.

- Yes
- No
- Maybe
- Not Applicable

51. Did you avail the facility of scribe in the exam? \*

Mark only one oval.

- Yes
- No
- Not Applicable

52. How does a scribe affects your performance in the examination ? \*

Mark only one oval.

- Does not affect at all
- Enhances performance
- Undermines performance
- Not Applicable

53. **According to you, is there a difference between reading on your own and being assisted by scribe? \***

*Mark only one oval.*

- Yes  
 No  
 Not Applicable

54. **If yes ! Please specify how does a scribe impact your performance in the exam?**

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55. **Was the normal duration of exam sufficient for you to complete the exam? \***

*Mark only one oval.*

- Yes  
 No

56. **If the normal duration was not sufficient, did you avail the facility of compensatory time during the examination? \***

*Mark only one oval.*

- Yes  
 No  
 Not Applicable

57. **If yes, did compensatory time help in completing the exam ? \***

*Mark only one oval.*

- Yes  
 No  
 Not Applicable

58. **Which of the following assistance were available to you during the examination? Check all that applies to you \***

*Check all that apply.*

- Scribe  
 Screen Reader  
 Magnification Enabled  
 Option for choosing color contrast  
 No Assistance was available  
 Not Applicable  
 Other: \_\_\_\_\_

59. How would you rate the interface of online exam? \*

Mark only one oval.

0      1      2      3      4      5

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Very Poor                     Excellent

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60. Any other difficulties you faced during the exam?

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61. Comments / Suggestions to improve the exam interface?

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62. Have you appeared in another online exam ? \*

Mark only one oval.

Yes      Skip to question 17.

No      Stop filling out this form.

### Examination - With accommodations

Accommodation means “necessary and appropriate modification” and adjustments. It implies not imposing a disproportionate or undue burden, where needed in a particular case, to ensure to persons with disabilities the enjoyment or exercise on an equal basis with others of all human rights and fundamental freedoms

The following few questions pertain to the user-friendliness of the examination interface while availing existing assistance.

63. Which of the following assistance would you like to use during the examination? Check all that applies to you \*

Check all that apply.

No Assistance Required

Scribe

Screen Reader

Large text (Magnified text)

Option for choosing color contrast

Other: \_\_\_\_\_

**64. What is your preferred way of reading the questions? \***

Mark only one oval.

- Regular Text, without magnification
- Magnification of Text
- Color contrast mode
- Scribe
- Screen Reader
- Other: \_\_\_\_\_

**65. Please specify the reason for your preference for the previous question (Magnification/Scribe/Screen Reader/ Other)**

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**66. How does magnification affect your reading speed during the exam? \***

Mark only one oval.

	1	2	3	4	5	
Not at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Significantly

**67. Did you get the magnification enabled in the exam? \***

Mark only one oval.

- Yes
- No
- Not Applicable

**68. If you have answered "yes" to the previous question . Please let us know to what extent are you able to read the questions/instructions during the exam after enabling the magnification?**

Mark only one oval.

- 0 - 10%
- 10% - 20%
- 30% - 40%
- 40% - 50%
- 50% - 60%
- 60% - 70%
- 70% - 80%
- 80% - 90%
- 90% - 100%

69. Does magnification causes problem of heavy scrolling? \*

Mark only one oval.

- Yes  
 No  
 Not Applicable

70. Do you think that bigger monitor setup will help you in reading the questions more easily? \*

Mark only one oval.

- Yes  
 No  
 Maybe  
 Not Applicable

71. Did you avail the facility of scribe in the exam? \*

Mark only one oval.

- Yes  
 No  
 Not Applicable

72. How does a scribe affects your performance in the examination ? \*

Mark only one oval.

- Does not affect at all  
 Enhances performance  
 Undermines performance  
 Not Applicable

73. According to you, is there a difference between reading on your own and being assisted by scribe? \*

Mark only one oval.

- Yes  
 No  
 Not Applicable

74. If yes ! Please specify how does a scribe impact your performance in the exam?

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75. Was the normal duration of exam sufficient for you to complete the exam? \*

Mark only one oval.

- Yes  
 No

76. If the normal duration was not sufficient, did you avail the facility of compensatory time during the examination? \*

Mark only one oval.

- Yes
- No
- Not Applicable

77. If yes, did compensatory time help in completing the exam ? \*

Mark only one oval.

- Yes
- No
- Not Applicable

78. Which of the following assistance were available to you during the examination? Check all that applies to you \*

Check all that apply.

- Scribe
- Screen Reader
- Magnification Enabled
- Option for choosing color contrast
- No Assistance was available
- Not Applicable
- Other: \_\_\_\_\_

79. How would you rate the interface of online exam? \*

Mark only one oval.

	0	1	2	3	4	5	
Very Poor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Excellent

80. Any other difficulties you faced during the exam?

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81. Comments / Suggestions to improve the exam interface?

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