

**A PROJECT**  
**ON**  
**IMPACT OF COVID-19**  
**ON**  
**THE ACADEMIC PERFORMANCE OF STUDENTS**  
**SUBMITTED IN PARTIAL FULFILLMENT FOR THE AWARD OF**  
**THE**  
**BACHELOR'S OF SCIENCE**  
**IN**  
**MATHEMATICS, STATISTICS AND COMPUTER SCIENCE (MSCS)**

**DONE BY**

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**SRI DURGA MALLESWARA SIDDHARTHA MAHILA KALASALA**  
**(AN AUTONOMOUS COLLEGE UNDER THE JURISDICTION OF KRISHNA UNIVERSITY)**



SRI DURGA MALLESWARA

**SIDDHARTHA MAHILA KALASALA**

An Autonomous College in the Jurisdiction of Krishna University

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## DEPARTMENT OF STATISTICS

### **CERTIFICATE**

This is to certify that this project work entitled “**IMPACT OF COVID-19 ON THE ACADEMIC PERFORMANCE OF STUDENTS**” is a bonafide work done by **Y. Mounika (185415), A. Kavya Sri (185401), P. Teja Sri (185406), B. V. Sowjanya (185435), S. Ramya (185465)** under the guidance and supervision of **Mrs. A. Suhasini, M.SC (Ph.D.) Head of the Department** in partial fulfilment for the award of the Degree in Bachelor Of Sciences during academic year **2020-2021**.

**Date:**

**PROJECT GUIDE:**

**HEAD OF THE DEPT**

**EXTERNAL EXAMINER**

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We are grateful to all the respondents for their co-operation in filling up the questionnaire. We feel that we have gained much through this project.

we express our respectable regards to the parents for their encouragement; co-operation throughout the work.

We sincerely thank each and every one who helped us in our efforts in making the project successful.

## **ABSTRACT**

The outbreak of COVID-19 affected almost every sector, including higher education institutions across the world. The current cross-sectional study was carried out to analyze the impact of COVID-19 lockdown on the academic performance of students and their level of satisfaction with online teaching. It also explored the significant difference in academic performance of students along with their satisfaction level with online teaching across gender. Students were invited to answer an online google form questionnaire. A total of 180 participants from different colleges answered the questionnaire with a response rate of 93.5%. Descriptive statistics i.e, Popular graph types like bar graphs, pie charts were employed. Graphs are a great way to visualize data and display statistics.

The findings of the study revealed that COVID-19 has negatively affected the academic performance of students and the students were highly dissatisfied with online teaching during this critical moment. Besides, the study revealed significant differences in the academic performance of students and their level of satisfaction with online teaching across gender. A strong positive correlation (mutual relationship) was found between the academic performance of students and their level of satisfaction with online teaching during the COVID-19 outbreak. According to the findings of the study, several implications and recommendations have been provided.

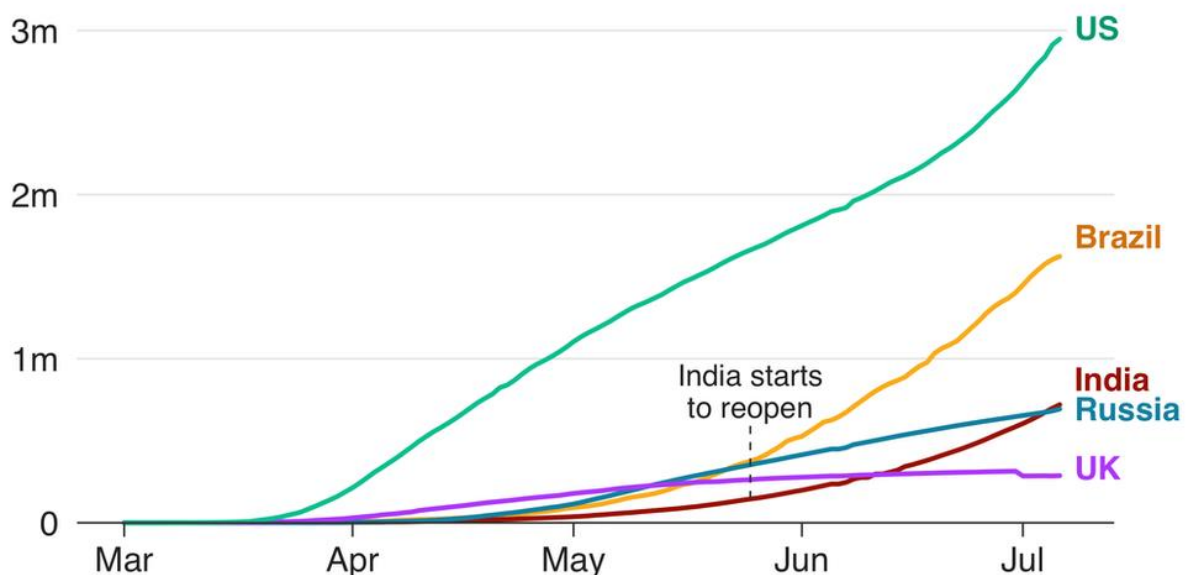
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## **The Corona Virus Outbreak**

The “**New Normal**” has become the most bittersweet phrase since the beginning of the global pandemic **Coronavirus** (also known as Covid-19). Coronavirus is a deadly infection first discovered in **China in December 2019**. With time it spread globally and took a form of a **global crisis**. For the first time in many years, a disease had stopped the entire world from functioning normally. Every country imposed a nationwide **lockdown** to prevent the infection from spreading, as it is highly contagious. Since then, everything has become **online**, from classes to offices, grocery shopping everything. This form of life is called the “new normal”. Schools and universities are conducting classes, exams, presentations, viva, etc., all online.

**Graph about the corona virus outbreak in various countries**



## *Different Sectors affected*

### Agricultural sector

Survey findings indicate that the pandemic has **affected production and marketing through labour and logistical constraints**, while the negative income shock restricted access to markets and increased prices of food commodities affecting the consumption pattern.

### Financial sector

One of the most affected sector is the Financial sector which primarily includes **banking companies, non-banking financial services and insurance industry**. There is a reduced offtake of loans under recessionary market conditions and cautious customer outlook. Increased delinquencies post the moratorium period. Fall in transaction banking income due to lower cross border trade.

### Industrial sector

The various ways in which Industrial sector was affected were **Supply and Demand Breakdown, Machinery and Raw Materials, Manpower, Market Slow Down**.

### Medical sector

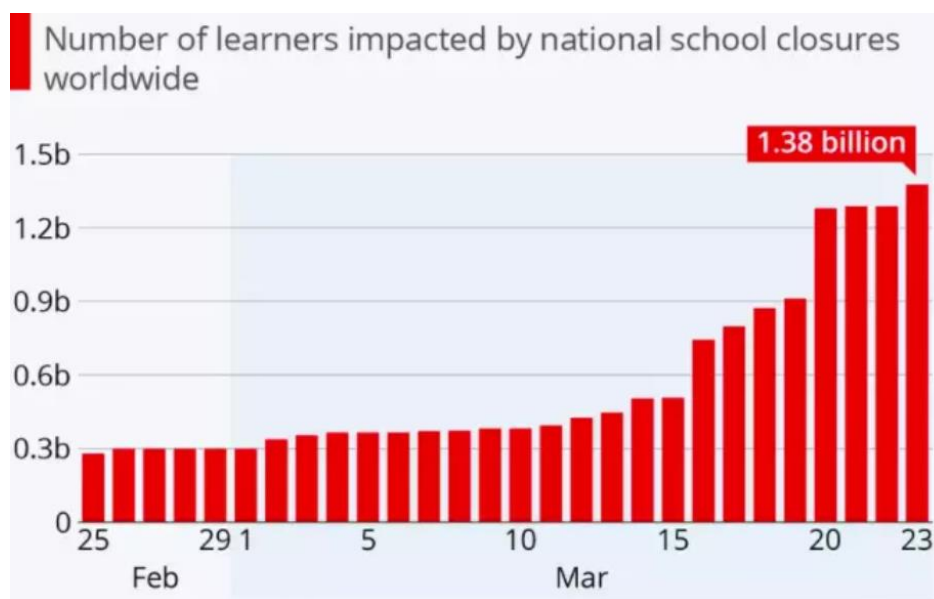
The COVID-19 crisis is drawing attention to the already overburdened public health systems in many countries, and to the challenges faced in **recruiting, deploying, retaining and protecting sufficient well-trained, supported and motivated health workers**. It highlights the strong need for sustainable investment in health systems, including in the health workforce, and for decent working conditions, training and equipment, especially in relation to personal protective equipment and occupational safety. Social dialogue is essential to building resilient health systems, and therefore has a critical role both in crisis response and in building a future that is prepared for health emergencies.

**Graph about the impact of covid-19 on various sectors**



## Educational sector

Teachers have had to adapt to a world of almost universal distance education as nearly 94 per cent of all learners have faced school closures. Most teachers and their organizations have embraced this challenge, although in many developing countries teachers lack the skills and equipment to provide distance education effectively. As governments consider reopening school as confinement measures are relaxed, the safety of learners and teachers should be paramount, and social distancing of learners, access to personal protective equipment, and regular virus testing will be key.

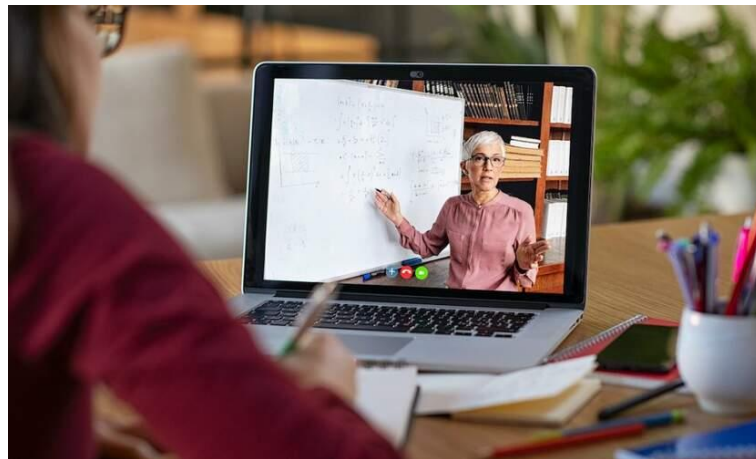




Education is an important part of our life, it can also make our future and if it is not taken care of properly, it can also spoil.

## Online Education

*Online education* is learning via online classes as per the convenience of the students and teachers. It refers to the use of electronic applications and learning processes. For online education, important connections like internet connection, computers, smartphones, etc. are required. The process of learning and teaching in **online education** takes place through the electronic medium that is done through **digital platforms**. It enables students to gain educational experience through technology. Online education includes an electronic way of learning and teaching. Online education can be delivered in the form of lessons, animation, audio, video, and images.



### Advantages

### 1. Efficiency

Online learning offers teachers an efficient way to deliver lessons to students. Online learning has a number of tools such as videos, PDFs, podcasts, and teachers can use all these tools as part of their lesson plans. By extending the lesson plan beyond traditional textbooks to include online resources, teachers are able to become more efficient educators.

## 2. Accessibility of Time and Place

Another advantage of online education is that it allows students to attend classes from any location of their choice. It also allows schools to reach out to a more extensive network of students, instead of being restricted by geographical boundaries. Additionally, online lectures

can be recorded, archived, and shared for future reference. This allows students to access the learning material at a time of their comfort.

Thus, online learning offers students the accessibility of time and place in education.

### ***3. Affordability***

Another advantage of online learning is reduced financial costs. Online education is far more affordable as compared to physical learning. This is because online learning eliminates the cost points of student transportation, student meals, and most importantly, real estate. Additionally, all the course or study materials are available online, thus creating a paperless learning environment which is more affordable, while also being beneficial to the environment.

### ***4. Improved Student Attendance***

Since online classes can be taken from home or location of choice, there are fewer chances of students missing out on lessons.

### ***5. Suits A Variety of Learning Styles***

Every student has a different learning journey and a different learning style. Some students are visual learners, while some students prefer to learn through audio. Similarly, some students thrive in the classroom, and other students are solo learners who get distracted by large groups.

The online learning system, with its range of options and resources, can be personalized in many ways.

## **Disadvantages:**

### ***1. Inability to Focus on Screens***

For many students, one of the biggest challenges of online learning is the struggle with focusing on the screen for long periods of time. With online learning, there is also a greater chance for students to be easily distracted by social media or other sites. Therefore, it is imperative for the teachers to keep their online classes crisp, engaging, and interactive to help students stay focused on the lesson.

### ***2. Technology Issues***

Another key challenge of online classes is internet connectivity. While internet penetration has grown in leaps and bounds over the past few years, in smaller cities and towns, a consistent connection with decent speed is a problem. Without a consistent internet connection for students or teachers, there can be a lack of continuity in learning. This is detrimental to the education process.

### ***3. Sense of Isolation***

Students can learn a lot from being in the company of their peers. However, in an online class, there are minimal physical interactions between students and teachers. This often results in a sense of isolation for the students.

### ***4. Teacher Training***

Online learning requires teachers to have a basic understanding of using digital forms of learning. However, this is not the case always. Very often, teachers have a very basic understanding of technology. Sometimes, they don't even have the necessary resources and tools to conduct online classes.

To combat this, it is important for the institutions to invest in training teachers with the latest technology updates so that they can conduct their online classes seamlessly.

### ***5. Manage Screen Time***

Many parents are concerned about the health hazards of having their children spend so many hours staring at a screen. This increase in screen time is one of the biggest concerns and disadvantages of online learning. Sometimes students also develop bad posture and other physical problems due to staying hunched in front of a screen.

A good solution to this would be to give the students plenty of breaks from the screen to refresh their mind and their body.

## **Offline Education**

*Offline education* is the traditional learning system where students and teachers have face-to-face learning. The traditional way of taking class, which is called the **classroom environment**, has become a lot easier to manage time because you are going to class every day. Students have more time to meet with their peers and teacher and more time for homework to be done in the classroom with the help of peers and their teacher. Many students learn best through the face-to-face interaction or the hands-on approach that is provided by teachers and peers while attending classes in the classroom environment. Online classes might be effective for some students however many students learn by doing, seeing, and being able to interact with the teacher and their peers.



### **Advantages**

- Offline mode of study is more beneficial and productive as compared to any other mode of study.
- The offline mode of study enables direct interaction between the teachers and students.
- Offline studies provide a healthy competitive environment to the students.
- It facilitates good classroom communication that helps in understanding the concepts easily.
- Teachers can pay equal attention to every student in the class.
- Extra-curricular activities in offline mode help in the overall development of students.
- Offline mode of study requires physical presence at a fixed time.
- Doubts and questions can be cleared easily in the offline mode of studies.
- In this mode of study, we get facilitated with manual books and written notes.
- Homework is best about this mode of study that helps in developing peer pressure.

### **Disadvantages**

- Offline mode of study requires physical presence at a fixed time.
- Students get less time for self-study due to time wastage in traveling for school and coaching.
- The class schedule for every day is fixed with no flexibility.
- Longer schedules of classes are sometimes much boring to attend.
- Offline mode of study is difficult to opt for the employed people.
- Transportation charges are additional expenses for going to attend college daily.
- The lectures given during the classes cannot be repeated whenever required.
- No recording or any other form of data is not always available for students who missed the class or later references.
- Students may lack the opportunity to learn advancing technology.

## **Methodology Applied**

### **Principle steps of a survey**

#### **1. Objectives of a survey:**

To determine whether there is an impact of covid 19 on the academic performance of the students. Also, to uncover whether the students preferred online or offline classes along with reasons and suggestions.

#### **2. Defining the population:**

Students from various levels of study from different colleges of Vijayawada are considered as population so that the population is unbiased, distinct, unambiguous and non-overlapping.

#### **3. Data to be collected:**

The data is collected keeping in view the objectives of the survey. A total of 180 respondent's data is collected

#### **4. The Questionnaire:**

A total of 27 questions according to the objectives were framed which are clear, brief, corroborative, non-offending, unambiguous and to the point that not much scope of guessing is left on the part of the respondent. Suitable and detailed instructions for filling the questionnaire are mentioned.

#### **5. Method of collecting Information:**

The data is collected from the primary sources using the mailed questionnaire method. A google form was created with the required questions and was forwarded to the respondents who are required to fill it up and return it duly completed.

#### **6. Organization of field work:**

A pretest was conducted on a small number of individuals and the questionnaire is improved accordingly.

#### **7. Summary and Analysis of data:**

##### **(a) Scrutiny and editing of data:**

The data is carefully scrutinized to find out whether it is plausible and consistent. And the irrelevant data is edited in order to remove inconsistency.

##### **(b) Tabulation of data:**

The data collected is tabulated in order to get a clear view. And the Data analysis is drawn.

## DATA ANALYSIS:

Sno	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26
1	2	2	2	2	2	1	3	2	2		1	2	2	2	2	1, 2		1	1	3	1	1	2	1	1	3
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## 8. Statistical Analysis:

Graphs are a great way to visualize data and display statistics. Descriptive statistics i.e, Popular graph types like bar graphs, pie charts were employed to obtain the required results.

### Pie chart:

A pie chart (or a circle chart) is **a circular statistical graphic**, which is divided into slices to illustrate numerical proportion. The chart is divided into sectors, where each sector shows the relative size of each value. In a pie chart, the arc length of each slice is proportional to the quantity it represents.

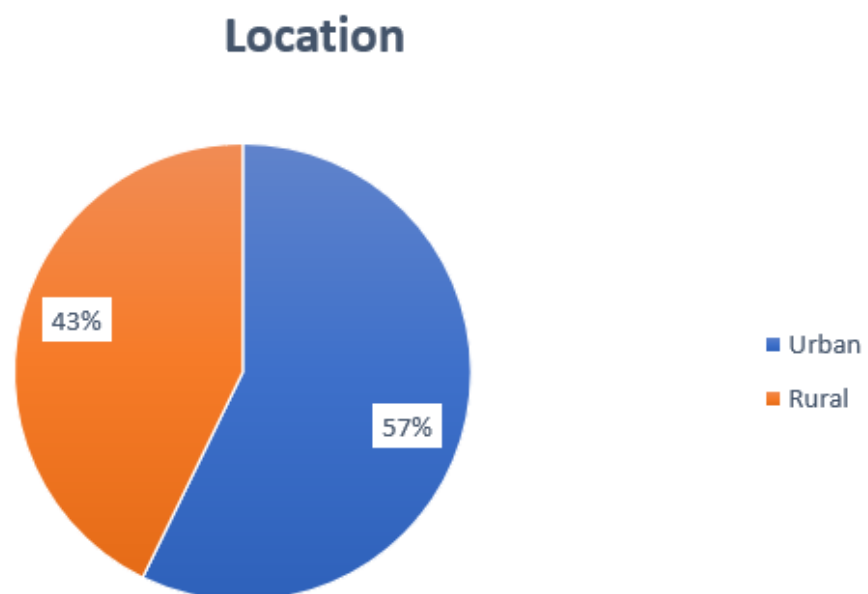
### Bar graph:

A bar graph is **a chart that plots data using rectangular bars or columns (called bins)** that represent the total amount of observations in the data for that category. Bar charts can be displayed with vertical columns, horizontal bars, comparative bars (multiple bars to show a comparison between values), or stacked bars (bars containing multiple types of information). The purpose of a bar graph is to convey relational information quickly as the bars display the quantity for a particular category. The vertical axis of the bar graph is called the y-axis, while the bottom of a bar graph is called the x-axis.

## 1. Locality

- Rural
- Urban

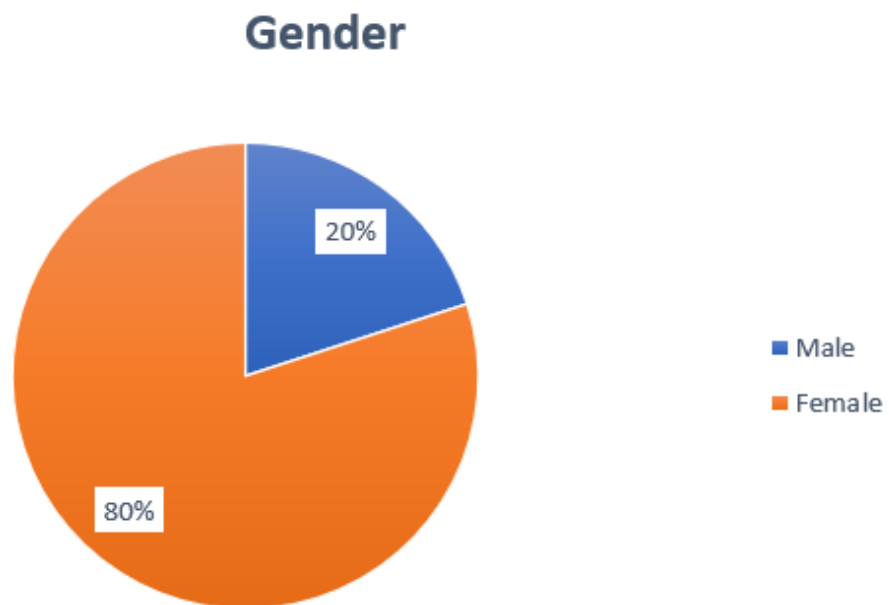
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Urban	103	57	57	57
	Rural	77	43	43	100
	Total	180	100	100	



## 2. Gender

- Male
- Female

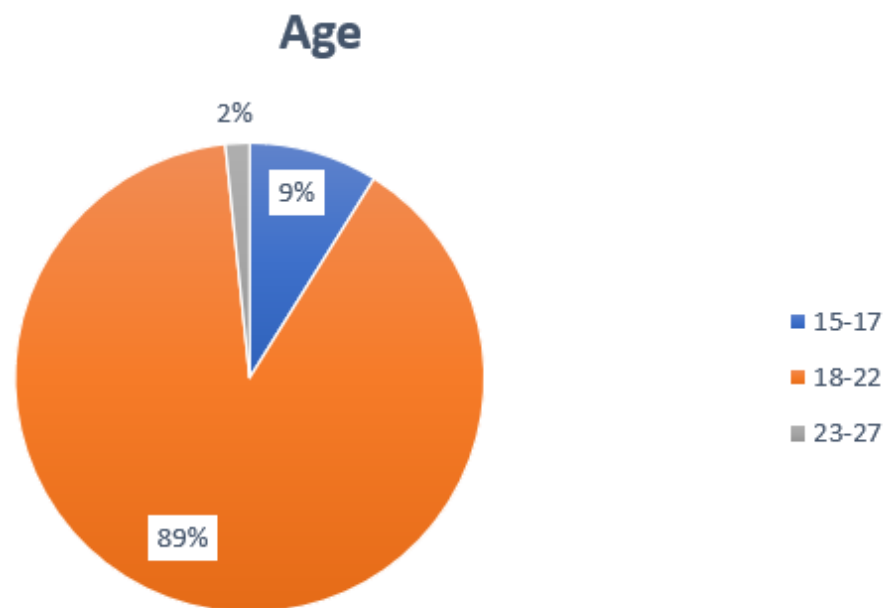
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	36	20	20	20
	Female	144	80	80	100
	Total	180	100	100	



### 3. Age

- 15-17
- 18-22
- 23-27

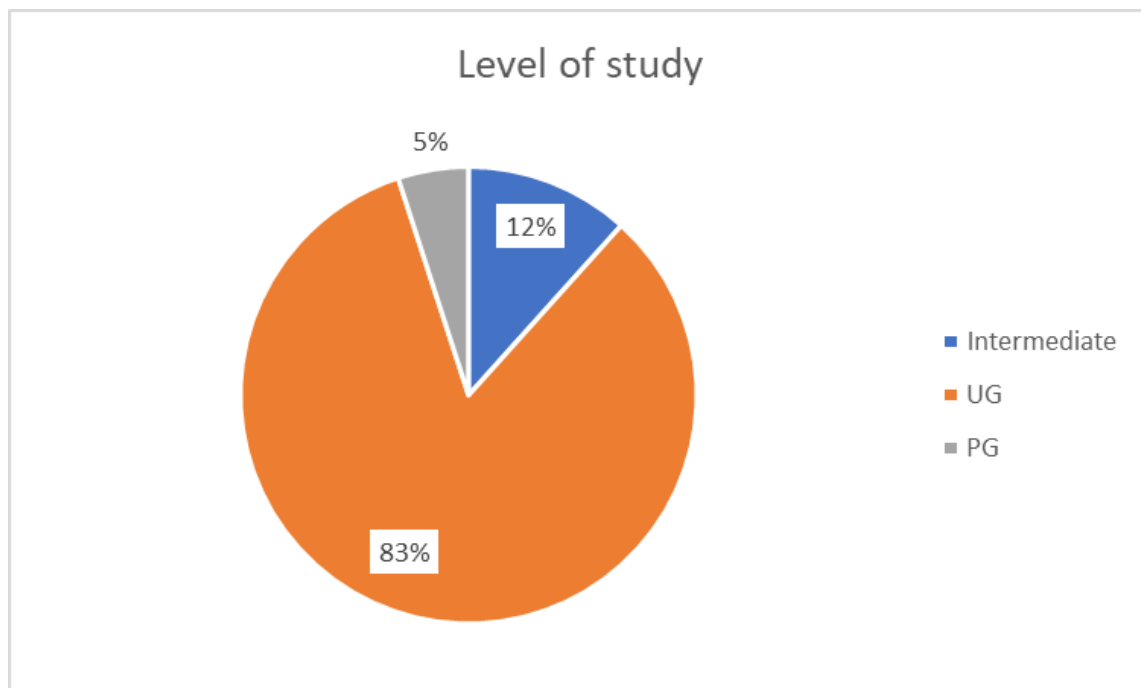
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	15-17	16	8.9	8.9	8.9
	18-22	161	89.4	89.4	98.3
	23-27	3	1.7	1.7	100
	Total	180	100	100	



4. What level of study are you enrolled in

- Intermediate
- UG
- PG

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Intermediate	21	11.7	11.7	11.7
	UG	150	83.3	83.3	95
	PG	9	5	5	100
	Total	180	100	100	



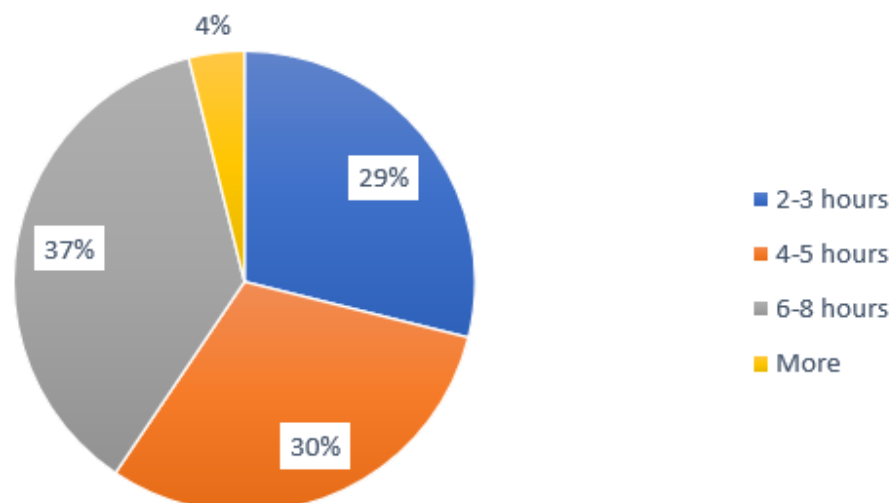


##### 5. No of hours spent on classes per day

- 2-3 hours
- 4-5 hours
- 6-8 hours
- More

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2-3 hours	52	29	29	29
	4-5 hours	55	30	30	59
	6-8 hours	66	37	37	96
	More	7	4	4	100
	Total	180	100		

##### No of hours spent on classes per day

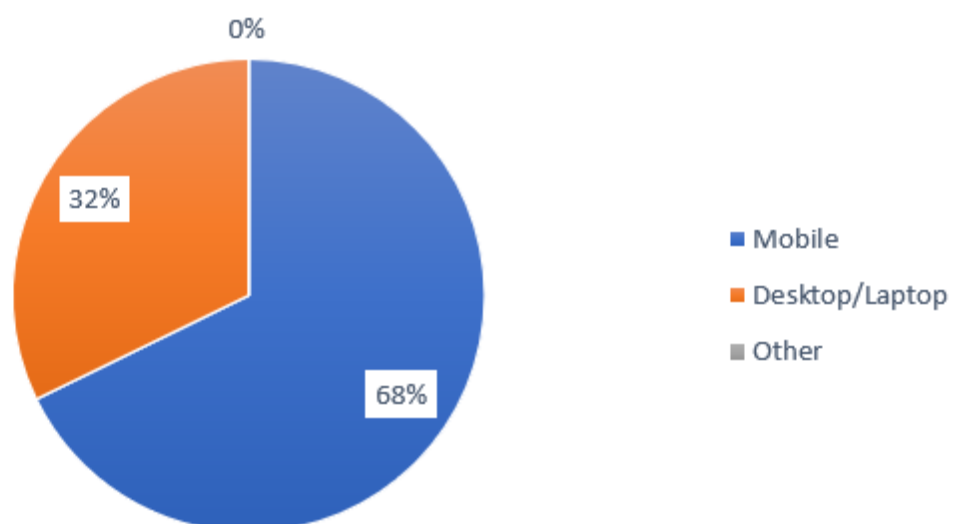


6. Which device you use for attending the classes

- Mobile
- Desktop/Laptop
- Other

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Mobile	122	68	68	68
	Desktop/Laptop	58	32	32	100
	Other	0	0	0	100
	Total	180	100		

**Devices used for attending the classes**

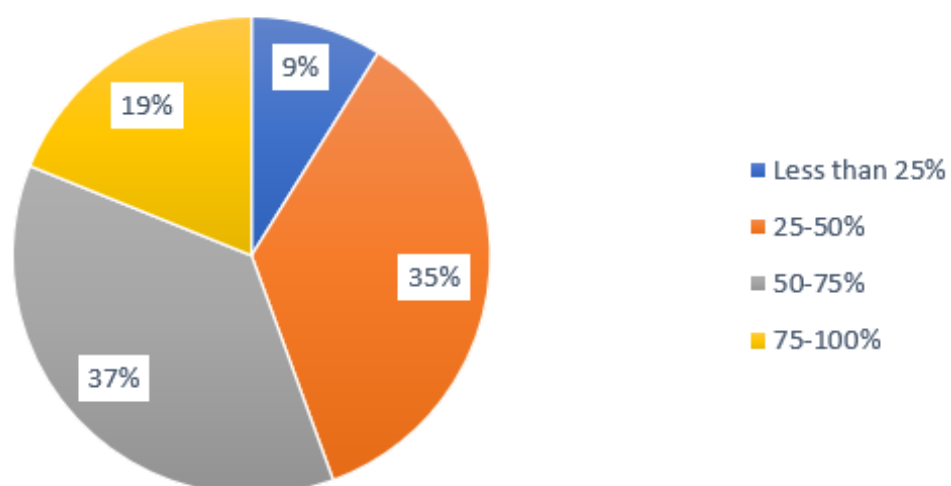


7. How much syllabus is covered by the faculty?

- less than 25%
- 25-50%
- 50-75%
- 75-100%

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than 25%	16	9	9	9
	25-50%	64	35	35	44
	50-75%	66	37	37	81
	75-100%	34	19	19	100
	Total	180	100		

**Syllabus covered by the faculty**

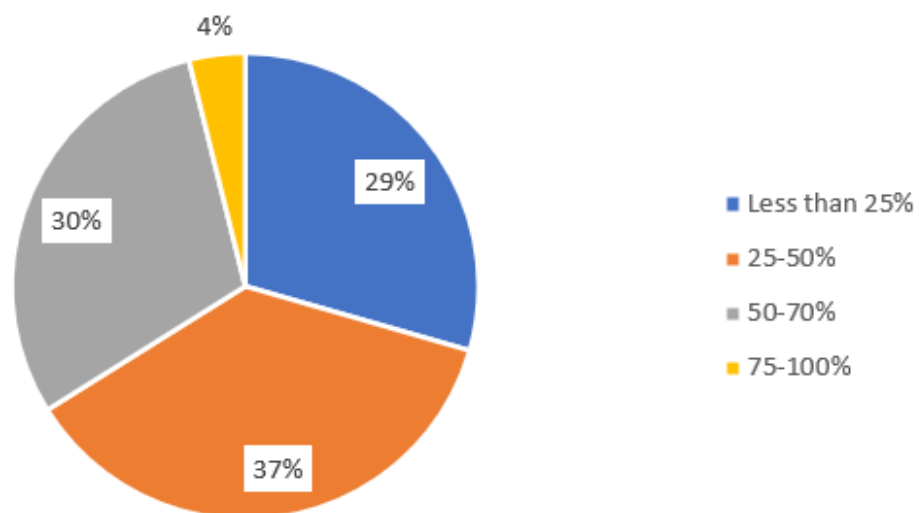


8. How much understood by you?

- Less than 25%
- 25-50%
- 50-75%
- 75-100%

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Less than 25%	53	29	29	29
	25-50%	66	37	37	66
	50-75%	54	30	30	96
	75-100%	7	4	4	100
	Total	180	100		

How much understood by you

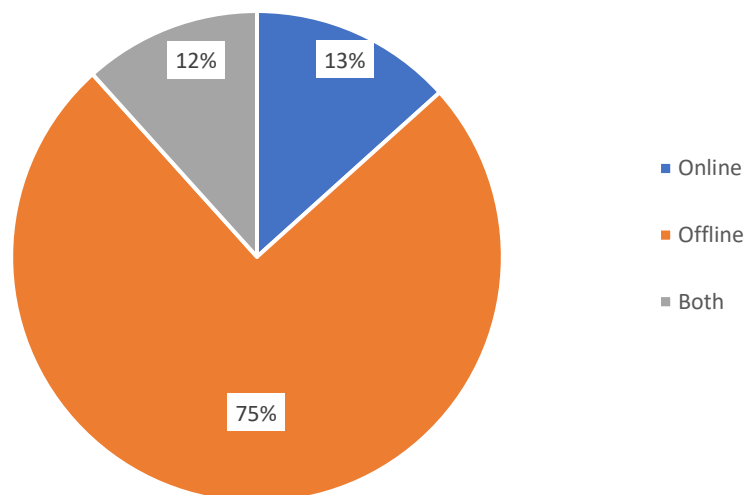


9. Which classes are more affective?

- Online
- Offline
- Both

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Online	24	13	13	13
	Offline	135	75	75	88
	Both	21	12	12	100
	Total	180	100		

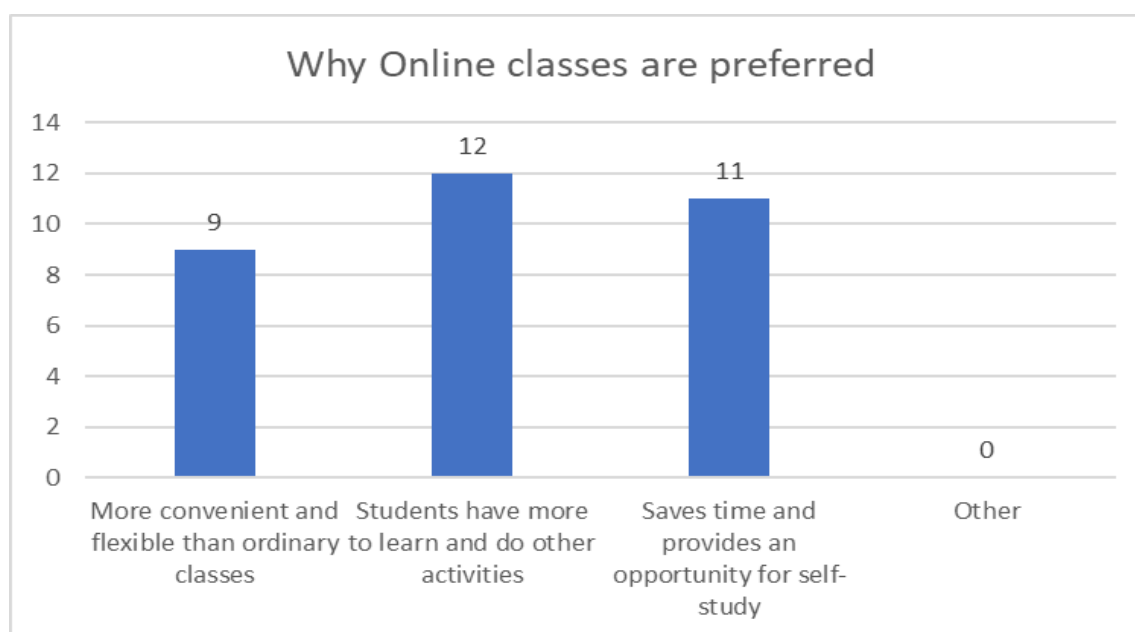
which classes are more effective



## 10. Why?

- More convenient and flexible than ordinary classes
- Students have more time to learn and do other activities
- Saves time and provides an opportunity for self-study
- Other

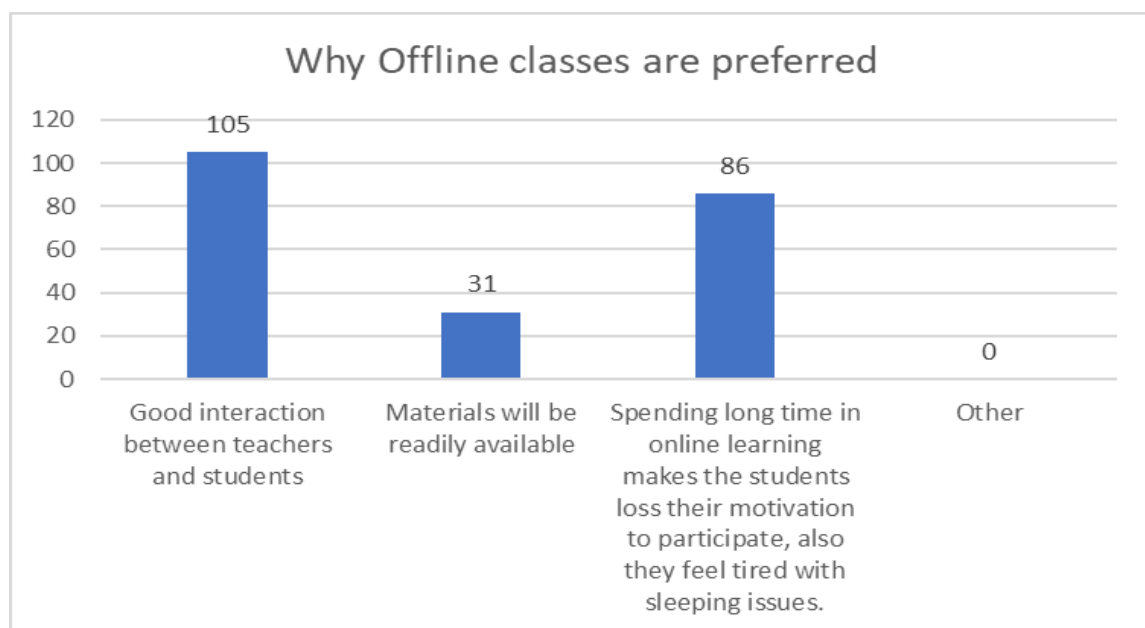
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	More convenient and flexible than ordinary classes	9	28.1	28.1	28.1
	Students have more to learn and do other activities	12	37.5	37.5	65.6
	Saves time and provides an opportunity for self-study	11	34.3	34.3	100
	Other	0	0	0	100
	Total		100		



## 11. Why?

- Good interaction between teachers and students
- Materials will be readily available
- Spending long time in online learning makes the students loss their motivation to participate, also they feel tired with sleeping issues.
- Other

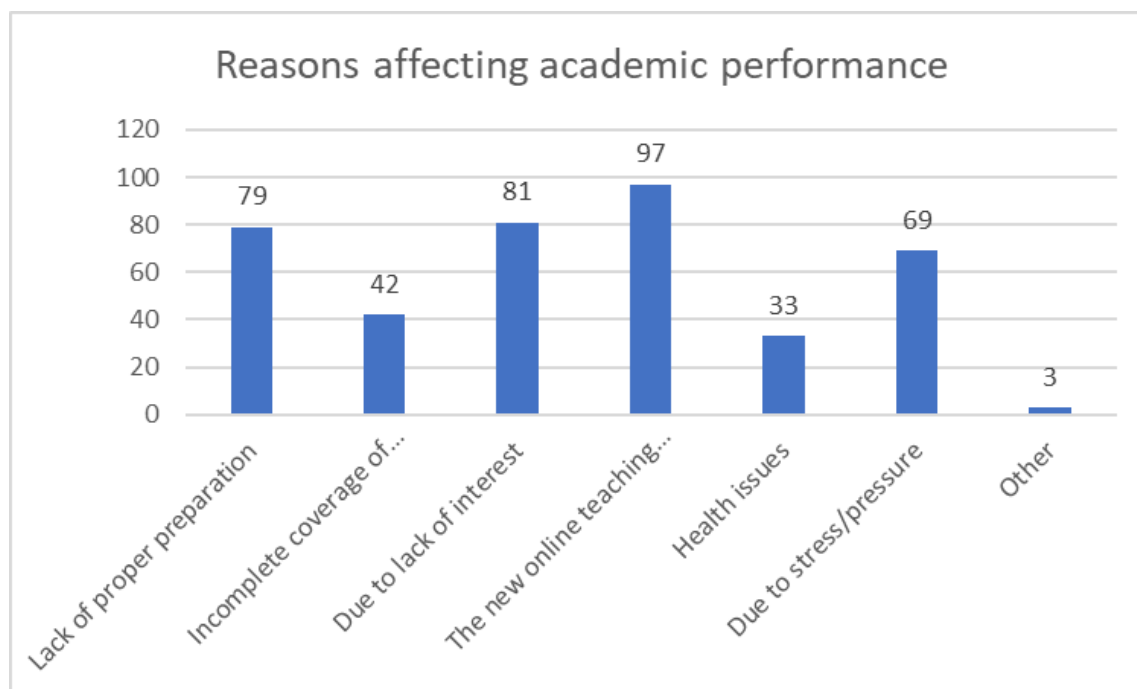
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Good interaction between teachers and students	105	47.2	47.2	47.2
	Materials will be readily available	31	14	14	61.2
	Spending long time in online learning makes the students loss their motivation to participate, also they feel tired with sleeping issues.	86	38.7	38.7	100
	Other	0	0	0	100
	Total		100		



12. What would you think is the reason that is affecting your academic performance?  
(Can select more than one)

- Lack of proper preparation
- Incomplete coverage of syllabus
- Due to lack of interest
- The new online teaching method is difficult to cope with
- Health issues
- Due to stress/pressure
- Other

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Lack of proper preparation	79	19.5	19.5	19.5
	Incomplete coverage of syllabus	42	10.4	10.4	29.9
	Due to lack of interest	81	20	20	49.9
	The new online teaching method is difficult to cope with	97	24	24	73.9
	Health issues	33	8.1	8.1	82
	Due to stress/pressure	69	17.0	17.0	99
	Other	3	0.7	0.7	100
	Total	404	100		



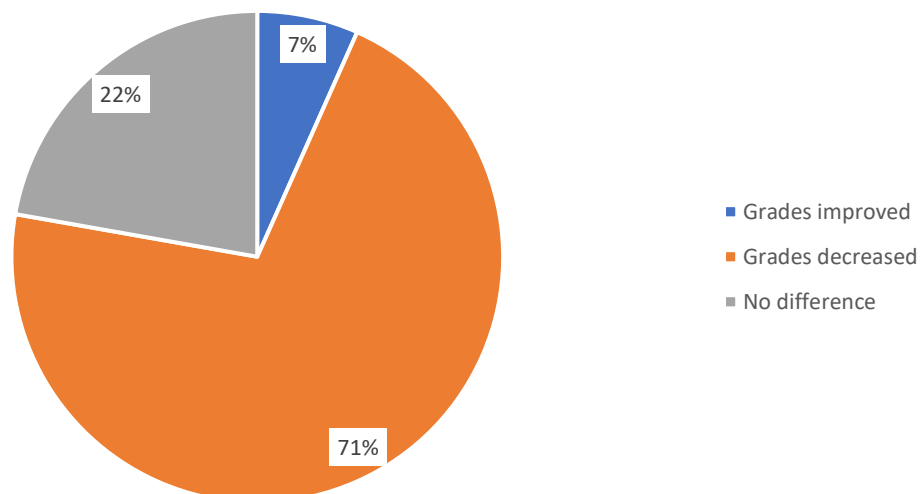


13. What is the impact of covid-19 on your grades

- Grades improved
- Grades decreased
- No Difference

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Grades improved	12	7	7	7
	Grades decreased	128	71	71	78
	No Difference	40	22	22	100
	Total	180	100		

what is the impact of covid-19 on your grades

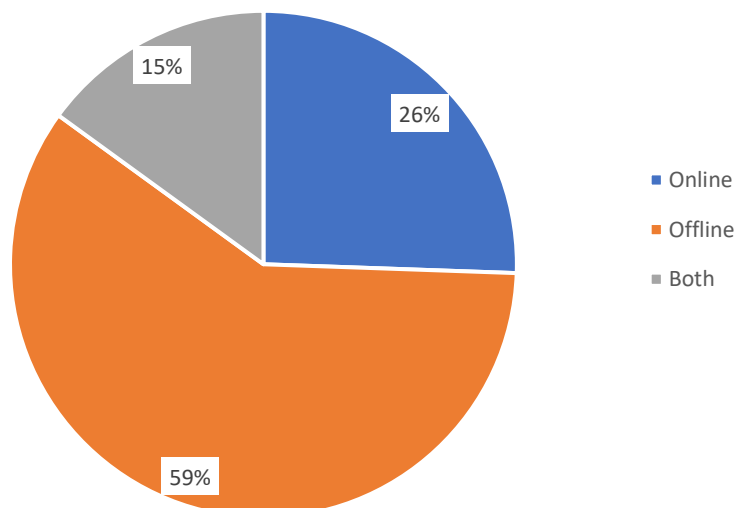


#### 14. Mode of exams conducted

- Online
- Offline
- Both

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Online	46	26	26	26
	Offline	107	59	59	85
	Both	27	15	15	100
	Total	180	100		

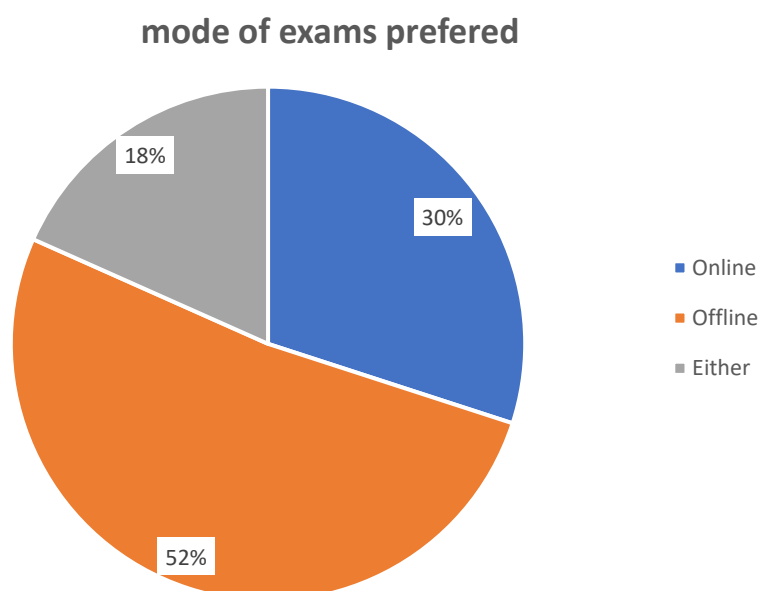
mode of exams conducted



#### 15. Mode of exams preferred?

- Online
- Offline
- Either

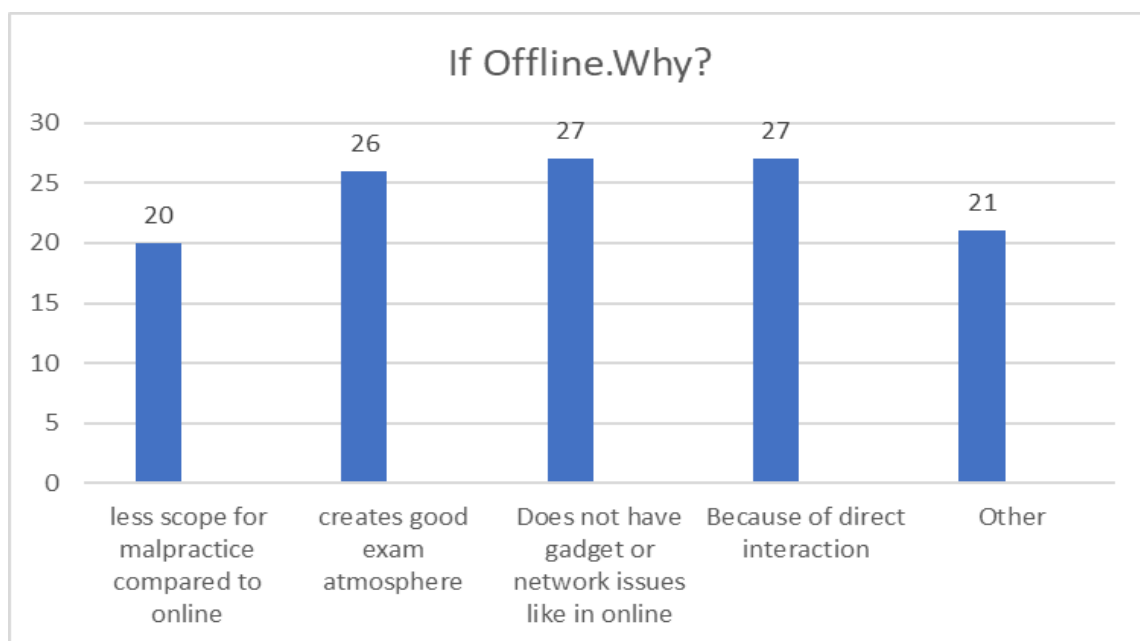
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Online	54	30	30	30
	Offline	93	52	52	82
	Either	33	18	18	100
	Total	180	100		



#### 16. If Offline. Why?

- less scope for malpractice compared to online
- creates good exam atmosphere
- Does not have gadget or network issues like in online
- Because of direct interaction
- Other

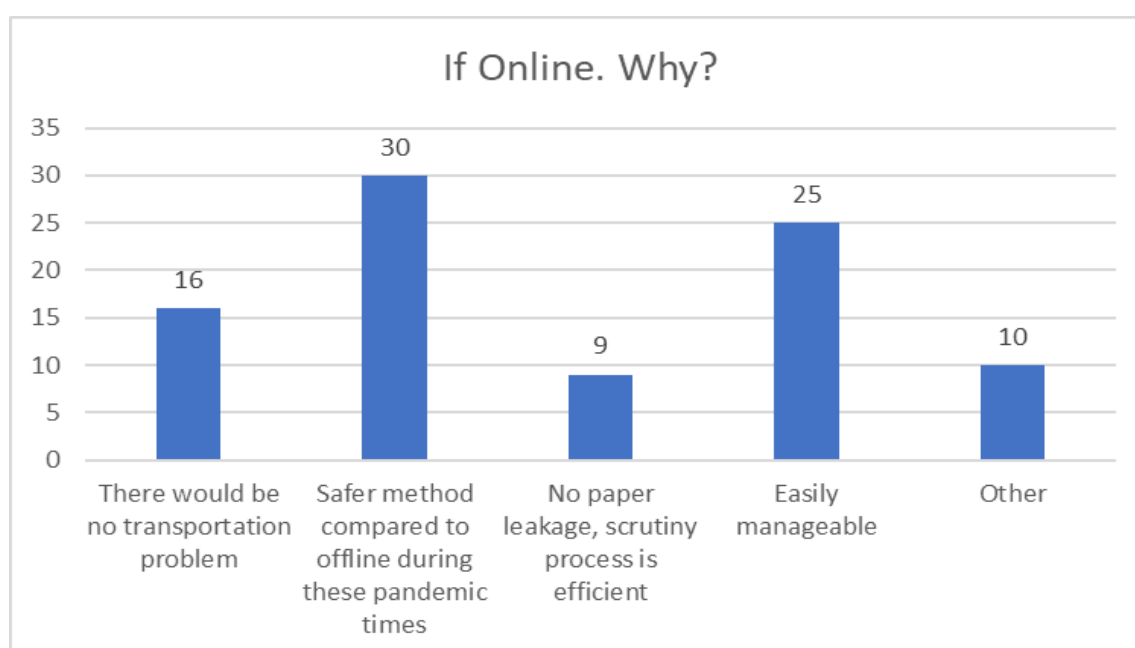
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	less scope for malpractice compared to online	20	16.5	16.5	16.5
	creates good exam atmosphere	26	21.5	21.5	38
	Does not have gadget or network issues like in online	27	22.3	22.3	60.3
	Because of direct interaction	27	22.3	22.3	82.6
	Other	21	17.3	17.3	100
	Total		100		



### 17. If Online. Why?

- There would be no transportation problem
- Safer method compared to offline during these pandemic times
- No paper leakage, scrutiny process is efficient
- Easily manageable
- Other

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	There would be no transportation problem	16	17.8	17.8	17.8
	Safer method compared to offline during these pandemic times	30	33.3	33.3	51.1
	No paper leakage, scrutiny process is efficient	9	10	10	61.1
	Easily manageable	25	27.8	27.8	88.9
	Other	10	11.1	11.1	100
	Total		100		

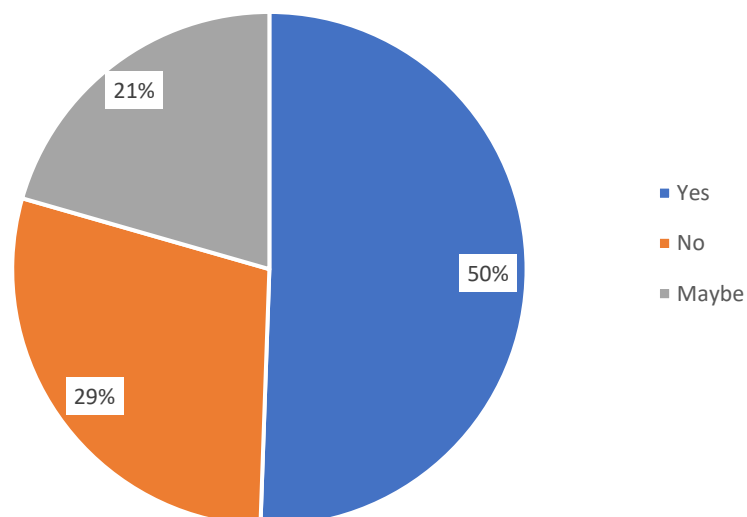


18. Is there any change in your preparation level for the exams these days?

- Yes
- No
- Maybe

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	91	50	50	50
	No	52	29	29	79
	Maybe	37	21	21	100
	Total	180	100		

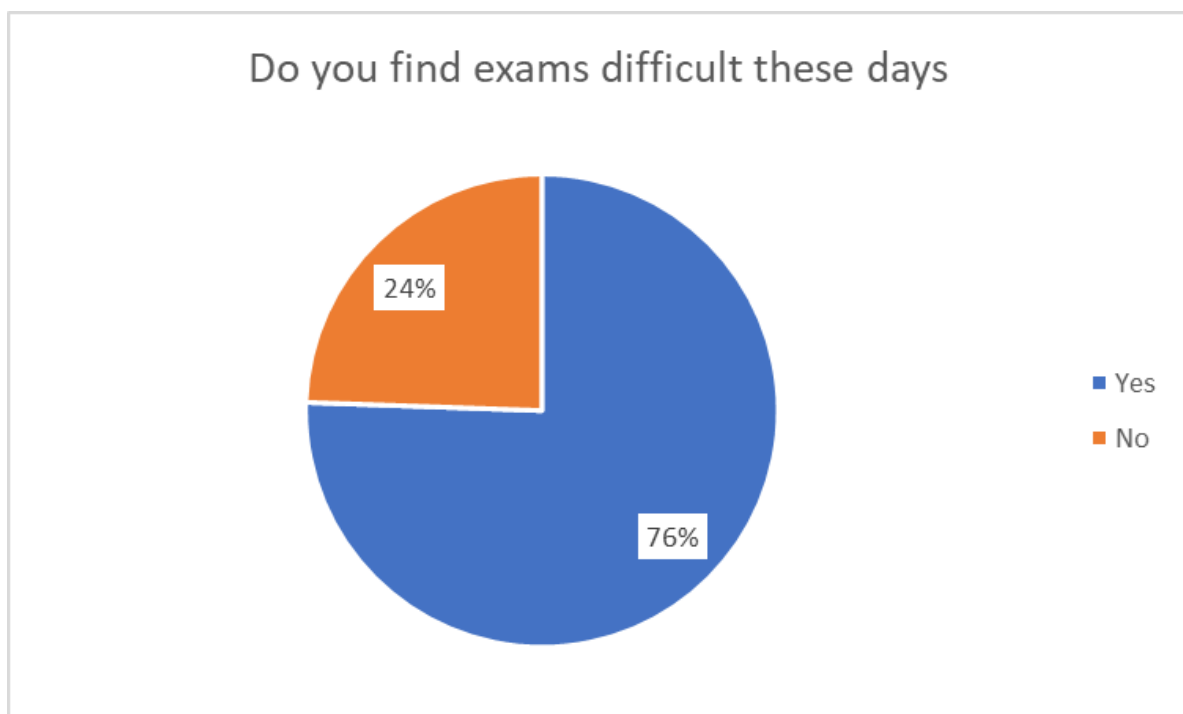
change in prepartion level of exams



19. Do you find exams difficult these days?

- Yes
- No

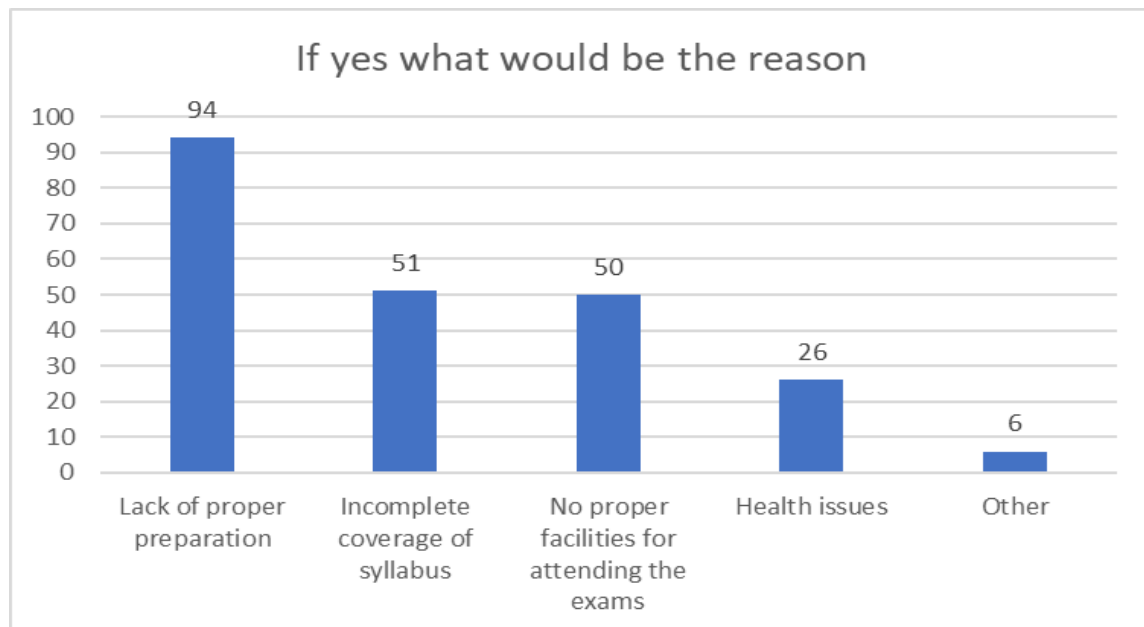
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	136	76	76	76
	No	44	24	24	100
	Total	180	100		



20. If yes. What would be the reason (can select more than one)

- Lack of proper preparation
- Incomplete coverage of syllabus
- No proper facilities for attending the exams
- Health issues
- Other

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Lack of proper preparation	94	41.4	41.4	41.4
	Incomplete coverage of syllabus	51	22.5	22.5	63.9
	No proper facilities for attending the exams	50	22	22	85.9
	Health issues	26	11.4	11.4	97.3
	Other	6	2.6	2.6	100
	Total		100		



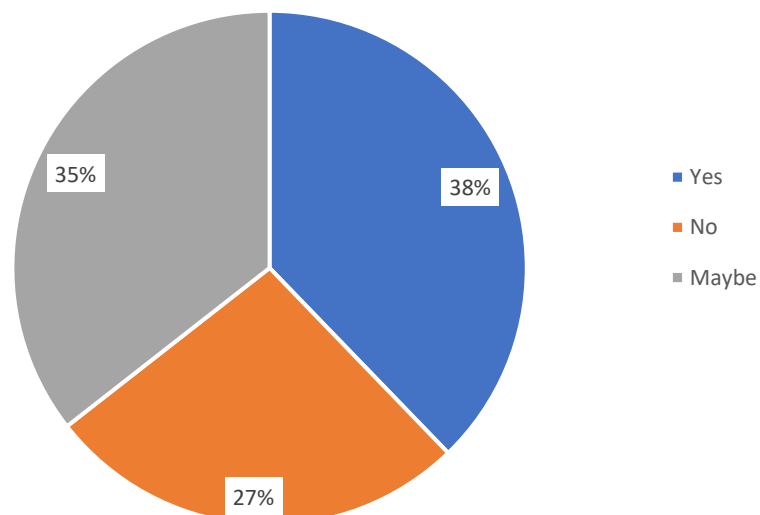


21. Does your interest in studies deprived?

- Yes
- No
- Maybe

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	68	38	38	38
	No	48	27	27	65
	Maybe	64	35	35	100
	Total	180	100		

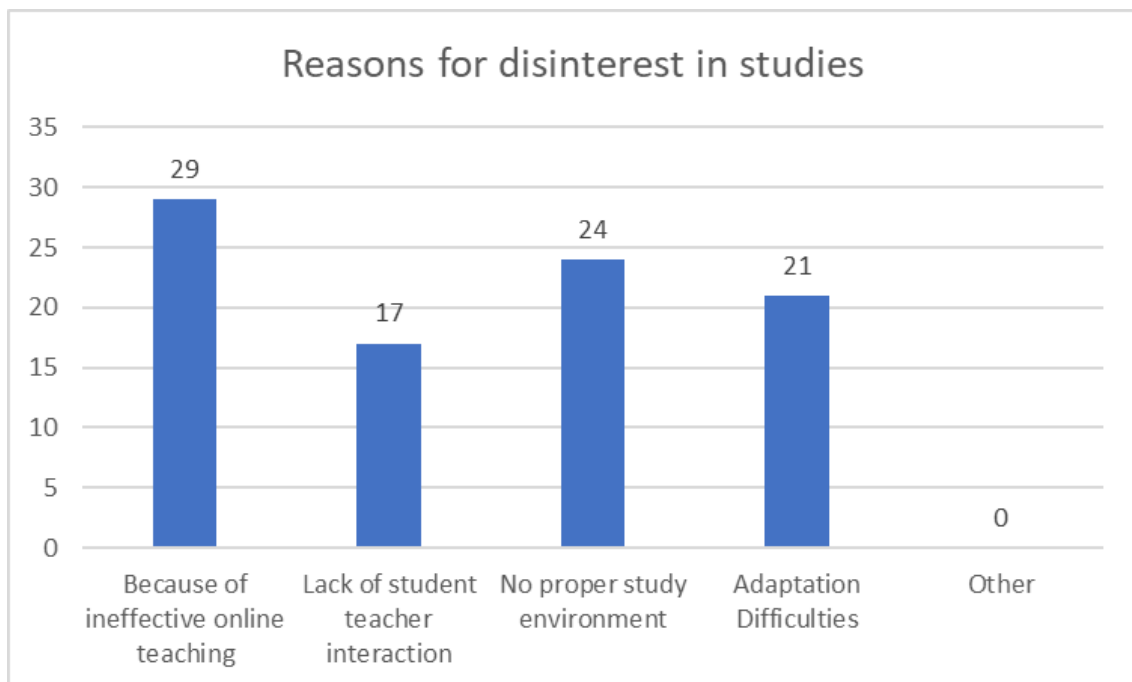
deprivation of intrest of study



22. What is the reason for your disinterest in studies these days

- Because of ineffective online teaching
- Lack of student teacher interaction
- No proper study environment
- Adaptation Difficulties

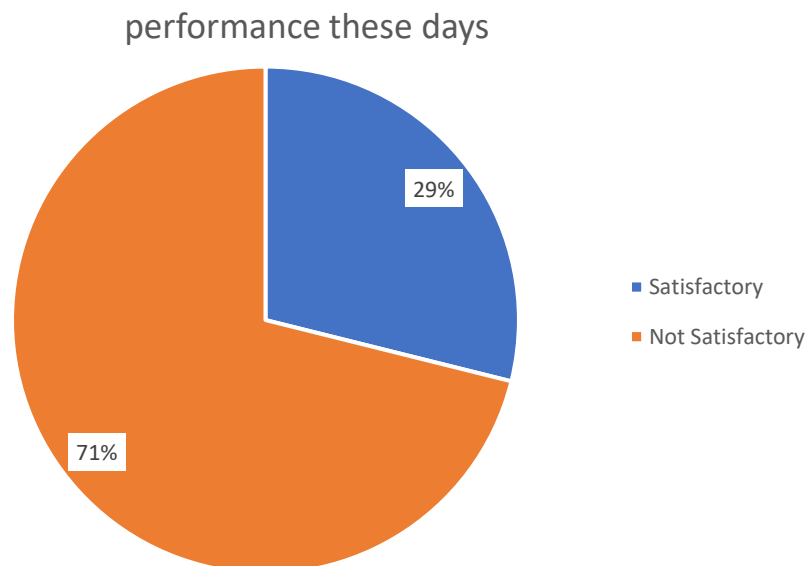
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Because of ineffective online teaching	29	31.9	31.9	31.9
	Lack of student teacher interaction	17	18.7	18.7	50.6
	No proper study environment	24	26.4	26.4	77
	Adaptation Difficulties	21	23	23	100
	Other	0	0	0	100
	Total		100		



23. What do you think about your performance these days?

- Satisfactory
- Not Satisfactory

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Satisfactory	52	29	29	29
	Not Satisfactory	128	71	71	100
	Total	180	100		

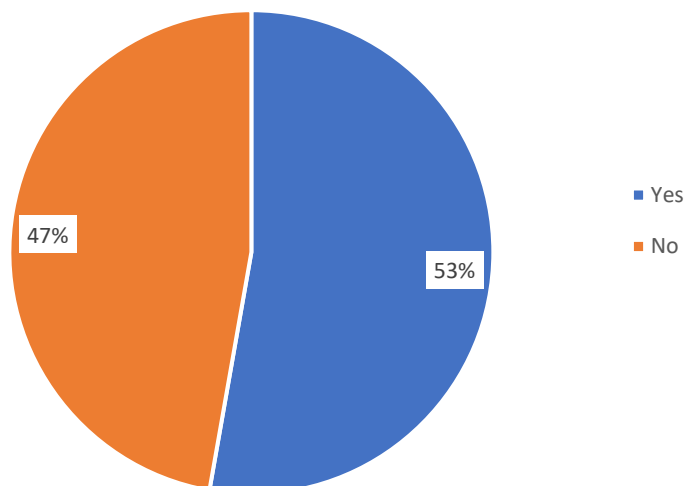


24. Did your family's financial status during the pandemic affect your academics?

- Yes
- No

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	95	53	53	53
	No	85	47	47	100
	Total	180	100		

does your famili's financial status during pandemics  
effects your studies

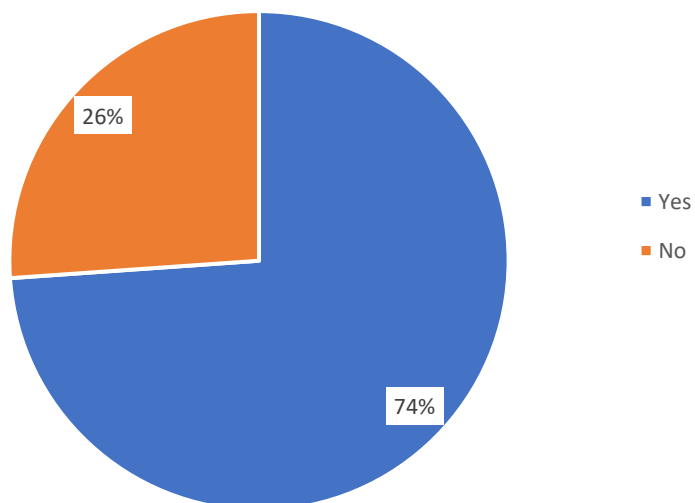


25. Do you feel stressed or pressured?

- Yes
- No

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	133	74	74	74
	No	47	26	26	100
	Total	180	100		

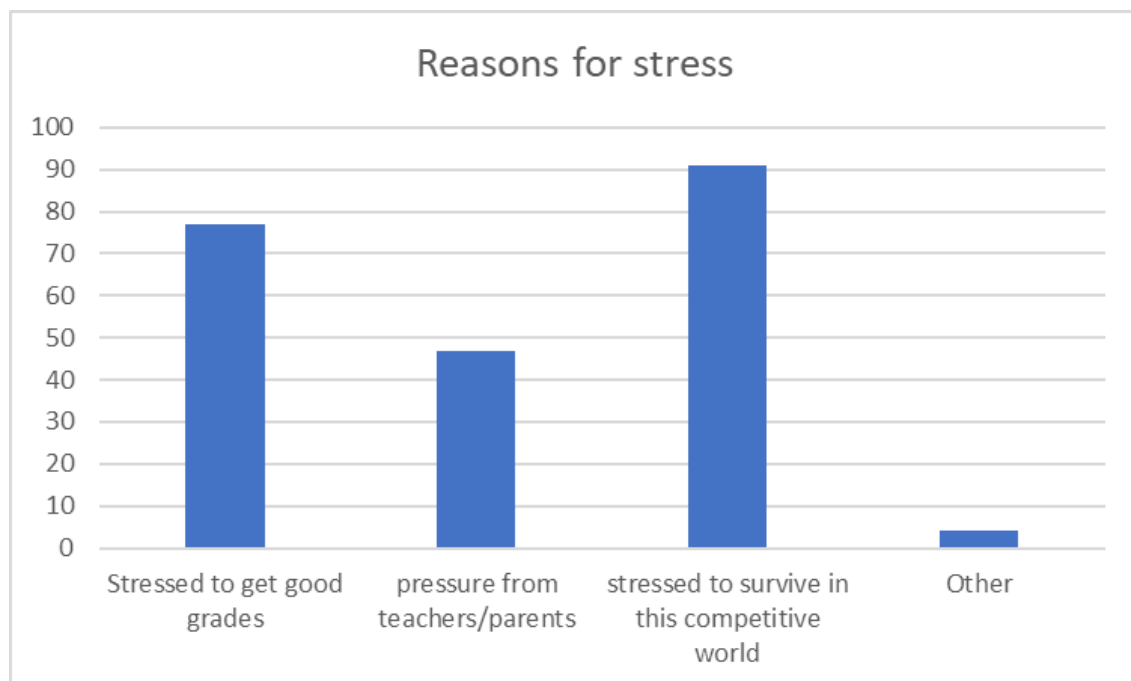
do you feel stressed or pressured



26. Reason for your stress (can select more than one)

- Stressed to get good grades
- pressure from teachers/parents
- stressed to survive in this competitive world
- Other

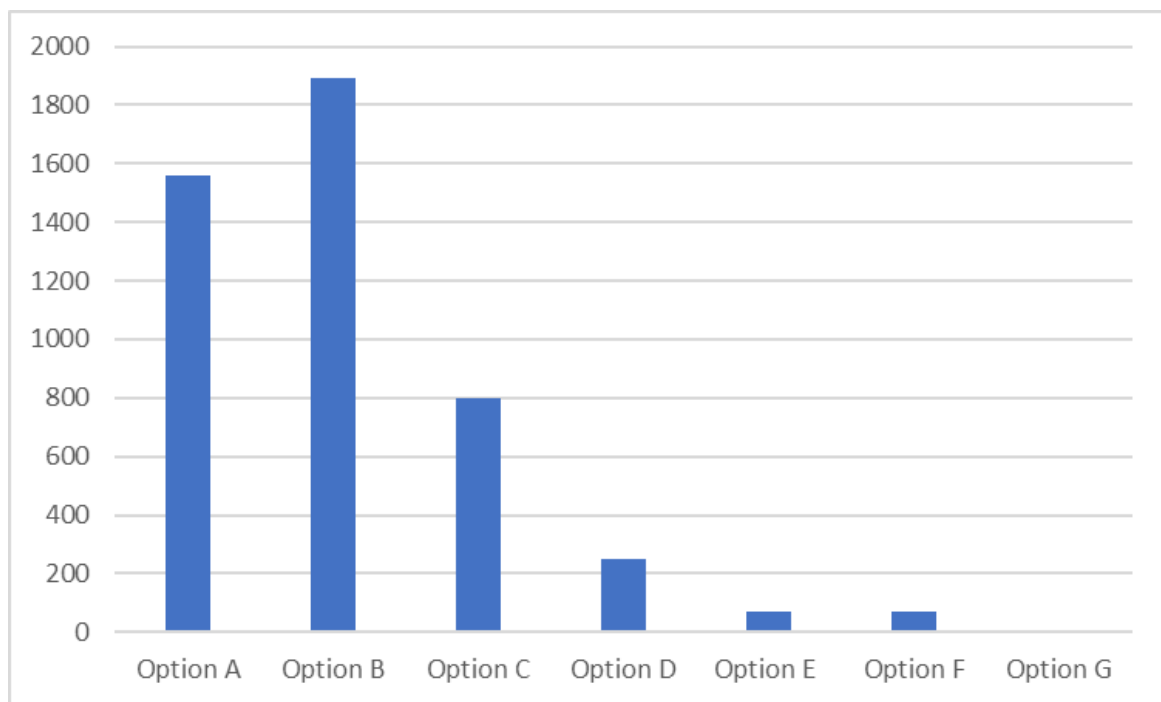
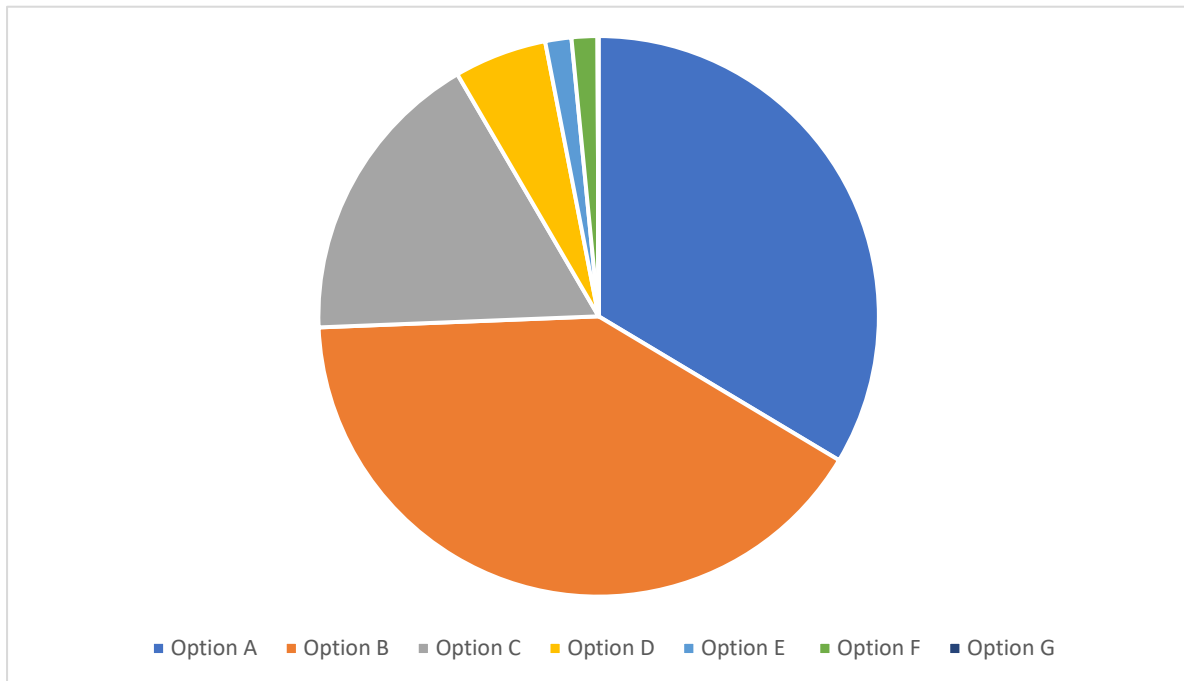
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Stressed to get good grades	77	35.1	35.1	35.1
	pressure from teachers/parents	47	21.4	21.4	56.5
	stressed to survive in this competitive world	91	41.5	41.5	98
	Other	4	1.8	1.8	100
	Total		100		



## **OVERALL DATA**

Question number	Option A	Option B	Option C	Option D	Option E	Option F	Option G
1	103	77	---	---	---	---	---
2	36	144	---	---	---	---	---
3	16	161	3	---	---	---	---
4	20	150	9	---	---	---	---
5	52	55	66	7	---	---	---
6	122	58	0	---	---	---	---
7	16	64	66	34	---	---	---
8	53	66	54	7	---	---	---
9	24	135	21	---	---	---	---
10	9	12	11	0	---	---	---
11	105	31	86	0	---	---	---
12	79	42	81	97	33	69	3
13	12	128	40	---	---	---	---
14	46	107	27	---	---	---	---
15	54	93	33	---	---	---	---
16	20	26	27	27	21	---	---
17	16	30	9	25	10	---	---
18	91	52	37	---	---	---	---
19	136	44	---	---	---	---	---
20	94	51	50	26	6		
21	68	48	64	---	---	---	---
22	29	17	24	21	0		
23	52	128	---	---	---	---	---
24	95	85	---	---	---	---	---
25	133	47	---	---	---	---	---
26	77	41	91	4	---	---	---

## **PIE CHART AND BAR GRAPH**





### **Information gained:**

The findings, conclusions that are obtained from the statistical analysis are included. Also, the suggestions from the respondents are noted.

## **FINDINGS**

- The findings revealed that an average of 6-8 hrs are spent by the students on the online classes.
- And the most used device for attending the classes is Smartphone.
- Only 20-25% of the syllabus is understood by the students through these online classes
- Students preferred Offline over Online classes due to following reasons:
  - Good interaction between teachers and students
  - Spending long time in online learning makes the students loss their motivation to participate, also they feel tired with sleeping issues.
- It is also found out that the grades of the students decreased during the pandemic.
- The reason that is affecting the academic performance of students is that the new online teaching method is difficult to cope with as a whole students are lacking interest in classes.
- Students preferred Offline exams than Online exams as they does not have any gadget or network issues like in online and also it creates good exam atmosphere
- Many students found exams difficult these days as they lacked preparation due to the ineffective online classes
- Also, the students interest in studies deprived because of the ineffective online classes
- And the students are dissatisfied with their academic performance
- Students feel Stressed to get good grades and to survive in this competitive world.

## **SUGGESTIONS**

- The colleges should provide platforms for Online learning with easy access to the study materials.
- Provide training for lecturers on e-learning tools and computer skills.
- Improve the way of teaching to encourage students to learn and attract them to study Online.
- Enhance the interaction between students and teachers.
- Practical learning throughout interactive tools is significantly more effective than text materials such as power point and pdf.
- Provide accessible online resources such as e-books and instructional videos for practical lessons.
- More effective methods of teaching should be employed.
- Easy platforms for conducting classes should be opted.
- The no of classes conducted per day should be minimized.
- Regular proctoring should be done by the faculty.
- Providing collaboration and socialization opportunities.

## **CONCLUSION**

The current study showed that COVID-19 pandemic affected the academic performance of most participants. Online education helps to keep the students up and running with an opportunity for self-study. However, the main challenge online education faces is the ineffective practical lessons. It also revealed that students preferred offline over online. As a whole the students were dissatisfied with their academic performance

# **QUESTIONNAIRE**

Dear students,

This is a survey regarding the “**Impact of COVID-19 on the Academic performance of students**”. I request you to spare a minute in filling the questionnaire.

Thank you for your cooperation.

## **1. Locality**

- Rural
- Urban

## **2. Gender**

- Male
- Female

## **3. Age**

- 15-17
- 18-22
- 23-27

## **4. What level of study are you enrolled in**

- Intermediate
- UG
- PG

## **5. No of hours spent on classes per day**

- 2-3 hours
- 4-5 hours
- 6-8 hours
- More

**6. Which device you use for attending the classes**

- Mobile
- Desktop/Laptop
- Other

**7. How much syllabus is covered by the faculty?**

- less than 25%
- 25-50%
- 50-75%
- 75-100%

**8. How much understood by you?**

- Less than 25%
- 25-50%
- 50-75%
- 75-100%

**9. Which classes are more affective?**

- Online
- Offline
- Both

**10. Why?**

- More convenient and flexible than ordinary classes
- Students have more time to learn and do other activities
- Saves time and provides an opportunity for self-study
- Other

**11. Why?**

- Good interaction between teachers and students
- Materials will be readily available
- Spending long time in online learning makes the students loss their motivation to participate, also they feel tired with sleeping issues.
- Other

**12. What would you think is the reason that is affecting your academic performance? (Can select more than one)**

- Lack of proper preparation
- Incomplete coverage of syllabus
- Due to lack of interest
- The new online teaching method is difficult to cope with
- Health issues
- Due to stress/pressure
- Other

**13. What is the impact of covid-19 on your grades**

- Grades improved
- Grades decreased
- No Difference

**14. Mode of exams conducted?**

- Online
- Offline
- Both

**15. Mode of exams preferred?**

- Online
- Offline
- Either

**16. If Offline. Why?**

- less scope for malpractice compared to online
- creates good exam atmosphere
- Does not have gadget or network issues like in online
- Because of direct interaction
- Other

**17. If Online. Why?**

- There would be no transportation problem
- Safer method compared to offline during these pandemic times
- No paper leakage, scrutiny process is efficient
- Easily manageable
- Other

**18. Is there any change in your preparation level for the exams these days?**

- Yes
- No
- Maybe

**19. Do you find exams difficult these days?**

- Yes
- No

**20. If yes. What would be the reason (can select more than one)**

- Lack of proper preparation
- Incomplete coverage of syllabus
- No proper facilities for attending the exams
- Health issues
- Other

**21. Does your interest in studies deprived?**

- Yes
- No
- Maybe

**22. What is the reason for your disinterest in studies these days**

- Because of ineffective online teaching
- Lack of student teacher interaction
- No proper study environment
- Adaptation Difficulties

**23. What do you think about your performance these days?**

- Satisfactory
- Not Satisfactory

**24. Did your family's financial status during the pandemic affect your academics?**

- Yes
- No

**25. Do you feel stressed or pressured?**

- Yes
- No

**26. Reason for your stress (can select more than one)**

- Stressed to get good grades
- pressure from teachers/parents
- stressed to survive in this competitive world
- Other

**27. Suggestions**

\_\_\_\_\_

**ATTACHMENTS**

[https://docs.google.com/forms/d/1oWdVuwfGVSOhuPB\\_s6-zi9F3h2VYOleOqVZgYwe5EYQ/edit](https://docs.google.com/forms/d/1oWdVuwfGVSOhuPB_s6-zi9F3h2VYOleOqVZgYwe5EYQ/edit)

EFFECT OF COVID-19 ON THE ACADEMIC PERFORMANCE OF STUDENTS  
(Responses).xlsx