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Impact of work from home on Communications in COVID-19 Pandemic

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ABSTRACT

COVID-19 had adversely affected the global economy, causing mass disruption and unemployment. It had tremendously affected all the sectors, causing predicaments in daily chores. Several measures were laid out to re-establish regular routines, Work From Home was one of them. We conducted this study to check the impact of the COVID-19 on communication during Work From Home and the work environment during the corona pandemic. This article describes the working trends during Work From Home in the COVID-19 era of the Indian population. Difficulties developed during working from home and their potential solutions have been highlighted. This paper had discussed the virtual working regimes during Work From Home based on an online survey conducted; we have considered several socio-economic and geographical factors. We focused on working professionals working from home during the first phase of the coronavirus pandemic in India dated between April 2020 to August 2020, where 220 working professionals participated. This article also weighs the importance of electronic meeting platforms, categorized into personal & social network platforms, professional meeting platforms, and remote access and control platforms. The data analysis and interpretation showed that the Work From Home had proven to be more productive for the information technology sector than the manufacturing industry because of the nature of the work involved.

Keywords— Work From Home, Telecommuting, Communication, COVID-19, Coronavirus pandemic

1. INTRODUCTION

In the COVID-19 global pandemic, the employees worked from their residential site, where the establishment and the residential areas differed. The whereabouts were scattered amongst the employees and auxiliaries with centrally located tasks (physically or otherwise) working towards the same target. i.e., they put effort and time from their respective residential site, and the work hence done was referred to as work from home (WFH). Many reasons make WFH the most desirable option for work; the most significant was controlling the spread of the novel coronavirus from the everyday workplace. It was seen that in several work sectors, the approach of different auxiliaries towards WFH was different.

In some cases, WFH may be completely unbefitting, like the defense and manufacturing sectors. While these points stand firm, there were reasons for the companies and their employees to use WFH as their primary working method. Enhancement of the decision to shift from the conventional working method to WFH was governed by the active pandemic state controlled by social distancing and proper sanitization. Following were the secondary but significant reasons to opt for WFH.

For an individual:

- a) Fuel-saving as no traveling involved

- b) Reduced food and plastic waste
- c) Less physical exhaustion and availability of personal space
- d) Reduced distress because of a cohesive mind-space

For a company:

- a) No/limited investment in the workplace
- b) Less/no maintenance costs during the operations via WFH
- c) Flexibility in time, hence, more time for work
- d) Salary cut-offs, leading to partial savings

COVID-19 pandemic scenario has caused a considerable impact. Many countries have declared a state of emergencies; many imposed lockdowns and resource restrictions. People faced various physical, mental, social, economic, financial, and medical problems due to the COVID-19 world pandemic [Bai et al., 2020]. The short and long-term impact on the economy was terrible in the entertainment and service sectors and were adversely impacted. In contrast, communication in the healthcare sector remained or increased during the pandemic based on the direct relation between economy and communication. Electronic gadgets play a vital role in communication during work from home, and the significant increase in the demand for electronic gadgets implies the shift towards WFH.

Communication is crucial in everyday life: it helps to understand people better, removes misunderstandings, creates clarity of thoughts and expression, and brings people closer. Communication during WFH can happen using different communication platforms, broadly classified into three types based on predefined usage, viz. (a) Personal and Social Network Platforms, primarily used for communication at a personal and social level friends and family. (b) Professional Meeting Platforms, built explicitly for professional communication and meetings. (c) Remote Access and Control to make use of the remotely located PC/desktop from home. Each communication platform provides a specific set of features and qualities. This paper aims to identify the most commonly used telecommunication platforms employed by the Indian population and study the consequences of the various underlying features subjected to optimal communication in WFH during the COVID19 global pandemic. An online questionnaire floated containing a set of questions targeted towards everyday communications during WFH.

2. COMMUNICATIONS DURING WORK FROM HOME

There exist several ways to communicate during WFH. The number of available online platforms plays a crucial role in this. These platforms allow an individual to communicate while working remotely and carry on the work assigned.

2.1 Types of Communication Platforms

Based on the literature studied, online platforms are divided into three categories based on their predefined usage.

2.1.1 Personal & Social Network Platforms: A social network platform allows people with similar interests to come together and share information via chat or media sharing. People engaged in social networking may be doing so as a personal or professional endeavor [Blog on Top 10 Social Networking Sites]. The most popular social network platforms such as Facebook, Twitter, Snapchat, WhatsApp [WhatsApp Blog (2020), and Carter (2019)], and Telegram [Blog on Telegram FAQ] are used extensively in everyday life for personal and professional usage [Blog on Social Media Marketing Services]. These platforms enable the user to interact with the fellow user(s) either one-to-one or many-to-one.

2.1.2 Professional Meeting Platforms: These are explicitly used for professional meeting sessions with end-to-end encryption as a primary requirement. It includes several platforms like Zoom [Blog on Sending Screen Capture, and Holsin (2020), and Zoom Video Conferencing Plans & Pricing], Skype [Blog on How much bandwidth does Skype need, Skype Blogs (2019), and Fornasa (2016)]. Google Meet [Blog on Google Meet Hardware Requirements, and its Pricing]. It also includes Cisco WebEx [Blog on Cisco WebEx Meetings Server System Requirements], MS Teams [KwongHC (2020), Blog on Limits & Specifications for Microsoft Teams], and Jio Meet [Reliance industries launches JioMeet]. The general discussion over these platforms was career-oriented and driven by the stakeholders' shared goals. Note that platforms like Yahoo Messenger, LinkedIn, Emails, YouTube, WhatsApp, and phone calls are common to Personal & Social Network and Professional Meeting Platforms.

2.1.3 Remote Access and Control: Remote access and control refer to monitoring and controlling access to a computer or network (such as a home computer or an office network computer) anywhere and anytime. Employees can leverage this ability to work remotely from the office/workplace while retaining a distant computer/workstation [Yfantis, 2018]. Commonly used Remote Access and Control Platforms are TeamViewer [Blog on TeamViewer: The Remote Desktop Software], AnyDesk, Chrome Remote Desktop [Chrome Blog, 2012]. These platforms allow the user(s) to control, manage, monitor, repair devices, network, machines, and servers from anywhere, anytime. Platforms like TeamViewer also allow video chat and messaging, enabling it to be recognized as a Professional Meeting Platform.

All the platforms (Personal & Social Network, Professional Meetings, Remote Access, and Control) perpetually update and leverage their features (existing and new) to agglomerate them into a single platform in the current global pandemic scenario. Figure 1 shows a Venn diagram representation of the platforms mentioned above.

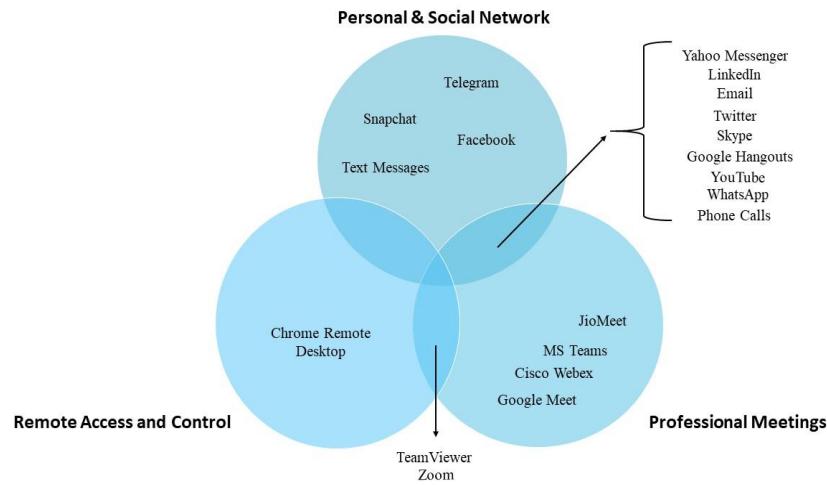


Figure - 1: Types of Communications

2.2 Features of Communication Platforms

As discussed earlier in the current COVID-19 pandemic, communication platforms play a significant role in connecting remotely and working from home. These platforms help reduce the communication gaps and complete their work with the same ease as working in the office with several features. These essential features include audio-video chat, screen sharing, screen recording, control transfer to another user, and virtual background. All these features bridge communication gaps. A user can change the background according to the working environment's aesthetics with the virtual background feature. For better understanding and eye contact during communicating in groups, many platforms provide different layouts. A spotlight/pin feature was also available, where a user can fix/pin/keep a particular participant in the spotlight. A user can record virtual meetings and lectures if they want to see them later. The participant can also control the host's device to point out or annotate the specifics. These platforms provide a whiteboard feature to write, draw, or express your ideas to fellow participants. All these platforms are well-encrypted for data security and assurance.

Table - 1: Platform And its Features

Features		Platforms							
		Zoom	Google Meet	Skype	MS Teams	Cisco WebEx	Jio Meet	WhatsApp & Telegram	TeamViewer, Chrome Desktop
Media Transfer Limit (GB)		0.5	0.195	0.293	15	2	0.098	0.098 & 2	Unlimited
No. of participant Limit	Free	100	100	50	250	200	100	8 & 1	NA
	Paid	1000	250	250	10000	1000			
Screen Recording	Y	Y (Host)	N	Y	Y (Host)	Y (Host)	N	N	
Control Transfer	Y	N	Y	Y	Y	N	N	Y	
Real-time whiteboard	Y	N	Y	Y	Y	N	N	N	
Dual Monitor	Y	N	N	Y	Y	N	N	Y	
Internet Bandwidth (Mbps)	1.5	1	1.2	1.2	1	1	1.2	2	

All the platforms have limits on the media transfer and the number of participants joining simultaneously; however, these limits keep changing. A minimum internet speed of 1 - 2.5 Mbps is necessary for uninterrupted functioning. Table 1 contains a comparison of some of the platforms and their available features. These features include media transfer limit, participant limit (free and premium versions), screen recording, control transfer, real-time whiteboard, dual monitor, minimum internet bandwidth, etc.

3. METHODS AND MATERIALS

We studied the trends in WFH of the Indian subcontinent during the COVID-19 global pandemic through the non-probability sampling method. A public online survey was conducted from 04 September 2020 to 09 September 2020 by floating a google form questionnaire. This questionnaire was created by keeping the communication aspect in mind for Indian territory having undergone

at least one month of WFH; please refer to Annexure I and II for the questionnaire and responses to it, respectively. We asked participants to complete the survey voluntarily.

4. DATA ANALYSIS AND INTERPRETATION

The data collected from more than 220 responses were studied, edited, analyzed, and interpreted in graphical forms such as pie charts, graphs, and histograms using Microsoft excel.

5. RESULTS AND DISCUSSION

5.1 Results and Discussions

Of those valid 220 responses, 162 were male (73.64%), and 58 were female (26.36%). The majority were from urban areas (75.91%) than from rural areas (24.09%). More than one-third (70.45%) belonged to the age group between 21 - 30 years, followed by 17.73% from the 31- 40 group. 6.36% were from the 41 - 50 group, 3.64% from the 51 and above, and 1.82% were less than 20 years old.

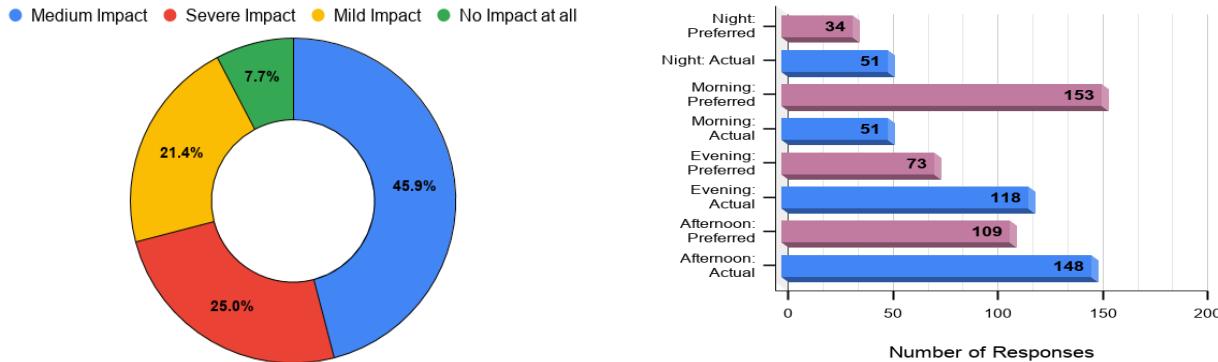


Figure - 2: (a) COVID-19 Impact on Organizations; (b) WFH Shifts: Preferred Vs. Actual

Covid-19 has impacted many organizations; as the number of cases increases, the Indian government decided to impose a lockdown on 25 March 2020 [News on Coronavirus in India: 21-day lockdown begins]. Since then, only essential services have been available. Based on the responses, the COVID-19 had a medium/mild impact on most organizations (46%). But many industries (25%) had a severe impact because of the nature of work involved, where physical presence is vital. Only 21% reported mild impact, and a limited (8%) reported no impact by the COVID-19 pandemic. They were working with the same comfort as they were working earlier, as shown in figure 2a.

Out of 220 participants, around 66% were from the IT and Engineering, Education & Training sectors. Most of the participants working from home belong to the profession like engineer/researcher/technician, student, professor, and managerial. The data obtained from the survey showed how long the participants were working from home. At least 50% of total participants worked for more than five months, which equals the country's lockdown duration. Nearly 25% of participants worked for less than three months during the COVID-19 pandemic time. Hence, nearly 75% of the participants had stability in their work and worked for more than three months. When asked about the number of hours they put each day towards work, the responses were mixed. On average, 50% worked for 7 hours/day, and 30% worked for around 6 hours/day. Some participants even worked for more than 11 hours a day. When asked for the preferred shift time for WFH, it was found that participants were working during night shifts more than they would prefer, as shown in figure 2b. The same goes for the evening and afternoon slots. Participants were working less in the morning shifts, but the morning's preferred time was most prevalent. Afternoon and evening slots had their working hours saturated for WFH.

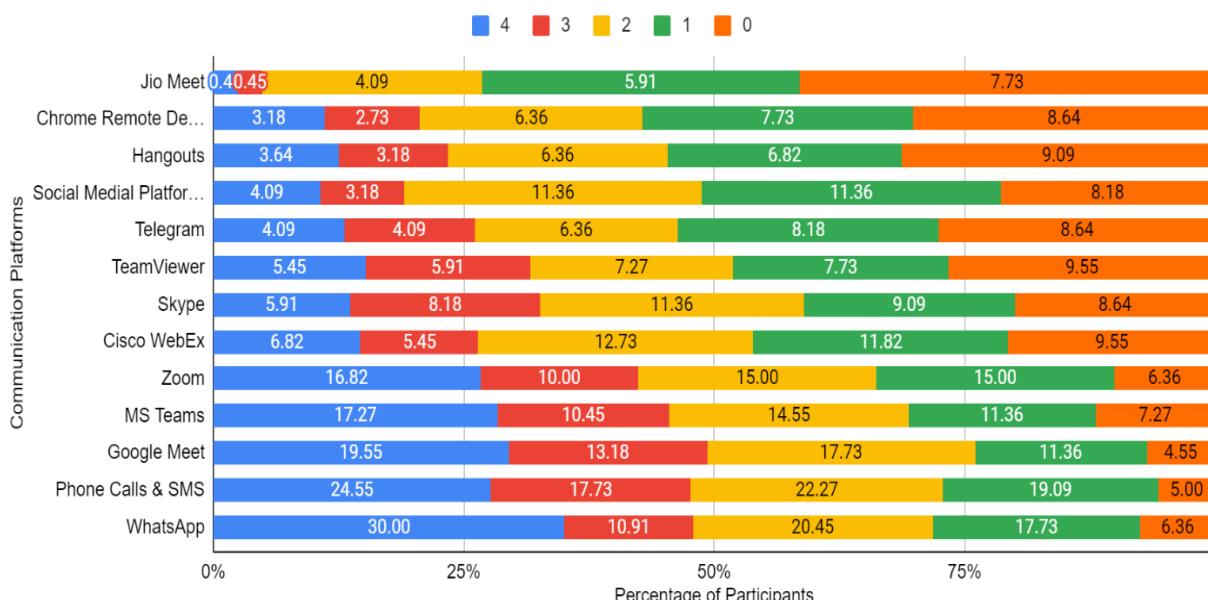


Figure - 3: User's Choice & Comfort Level for Communication Platform

Participant's responses to the choice and comfort level for various platforms, as shown in figure 3, showed that they were highly comfortable with Personal & Social Network Platforms and not with Remote Access and Control platforms for WFH. Here, scale four represents highly comfortable, and scale zero represents no comfort. The survey showed that participants majorly used Google Meet, MS Teams, and Zoom as their Professional Meeting Platforms and were relatively comfortable with them. Many participants were highly comfortable with WhatsApp and Normal cellular calls for WFH. However, participants using remote desktop platforms were not comfortable with their experience. Please note that participants who did not use the platform are not shown on the graph, although the percentage is absolute.

Although most participants used WhatsApp and cellular calls for WFH, the tendency to choose platforms like MS teams, Google Meet, and Zoom was observed in figure 4a. The traditionally used platforms like skype have seen a depleted preference while the remote access technology remains undermined, given a choice.

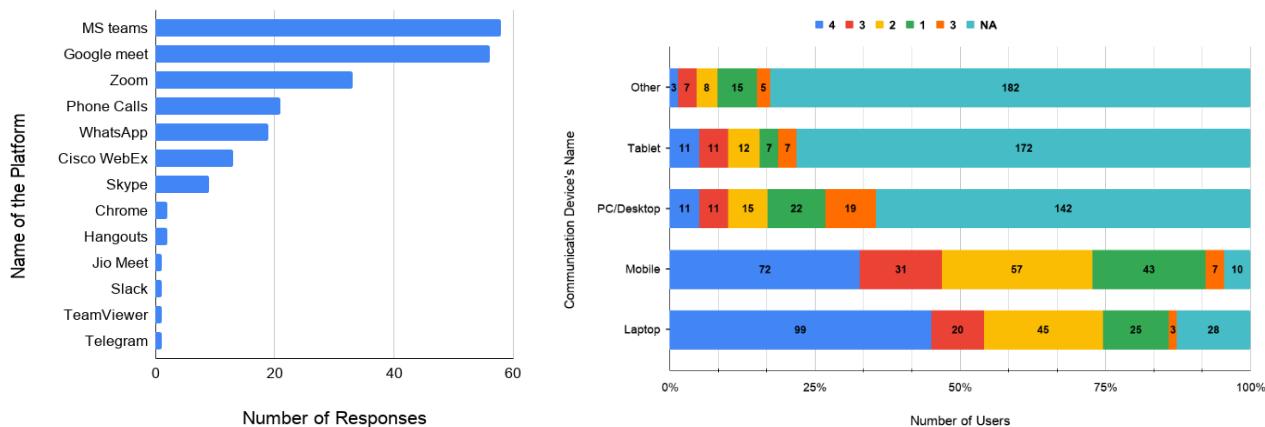


Figure - 4: (a) User's Preference for Communication Platform; (b) User's Choice for Communication Device

We have also considered the user's choice of the communication device, and the results are shown in figure 4b. A little less than half of the total participants were highly comfortable with laptops, and more than 25% were highly comfortable using phones. Hence, laptops and phones are the most evident communication devices. Although most participants were using phones, the comfort levels were less in comparison to laptops. Relatively fewer people were using PC, desktop, tablet, or other devices, for WFH.

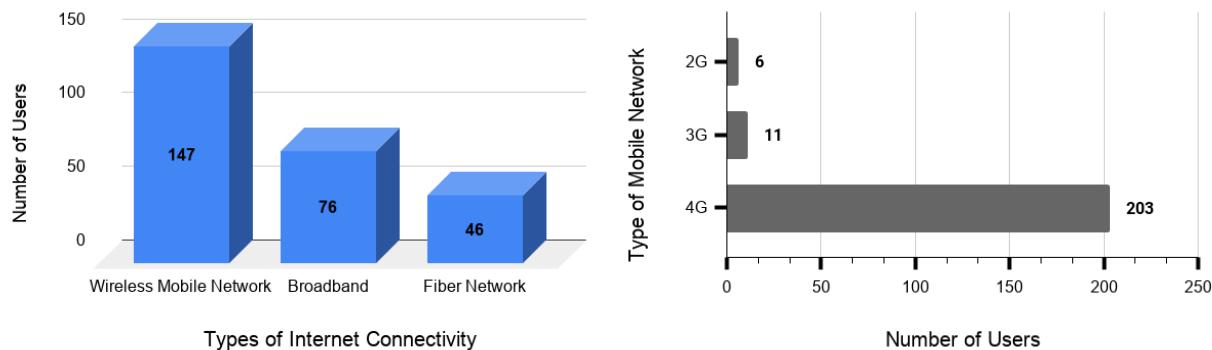


Figure - 5: (a) Internet Connectivity Types; (b) Type of Cell Phone Network

When asked about choosing between three internet connectivity options, wireless mobile networks superseded the broadband connection, followed by a fiber network, as shown in figure 5a. In the mobile network itself, 4G users (92.27%) occupied the maximum proportion, followed by 3G (5%) and 2G (2.73%) network users. Figure 5b depicts the distribution of the number of participants against the various types of mobile networks they prefer/use during WFH. When surveyed about the drop in the cellular network from 4G to 3G, 62.3% admit that they have experienced a notable drop & only 30% reported a 'no.' When asked regarding the drop from 4G to 2G, roughly 36% reported a 'yes,' that they have experienced this issue. In comparison, 56.4% of users reported that they had not faced this issue. And only 4.5% have experienced a drop from 3G to 2G, as shown in figure 6a.

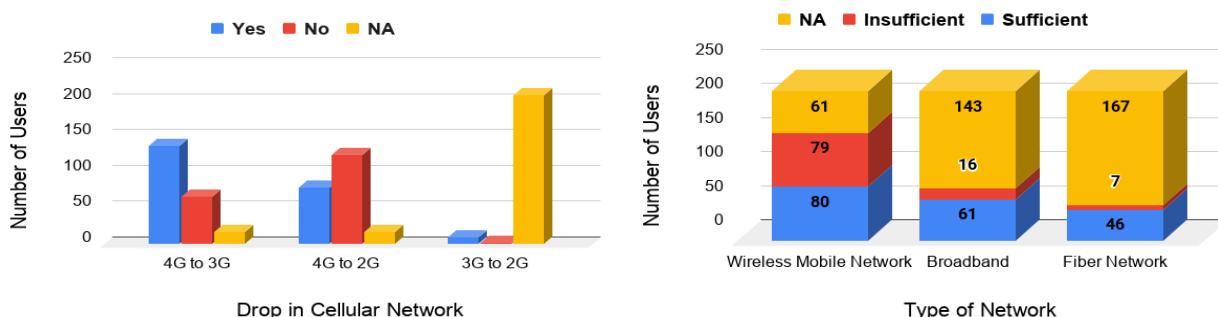


Figure - 6: (a) Drop-in Cellular Network; (b) Internet Quota Limit

When asked about the satisfaction with the type of internet network used during WFH, roughly 50% of wireless mobile network users reported sufficient. An almost equal proportion reported insufficient, as shown in figure 6b. On the other hand, 80% of users found their broadband network sufficient, while only 20% reported insufficient. For fiber networks, 86% and 14% reported sufficient and insufficient, respectively. Please note that the percentages mentioned above exclude the number of "not applicable/NA" participants for that particular category. It implies that the broadband and fiber network penetration for application and usage was low compared to the wireless mobile network.

The participants were also asked to rate from 0 to 4, with 0 being no impact and 4 being the highest impact. Figure 7 shows the impact of inconvenience/disturbance on communication caused by power failure, bad weather, low/no in-house network coverage, slow internet, background noise, and non-availability of dedicated space for WFH. We found that slow internet connectivity impacted WFH communications most, followed by power failure and low in-house network coverage.

On the other hand, issues like the unavailability of a dedicated workspace for WFH, background noises, and stormy weather had a negligible impact on communication.

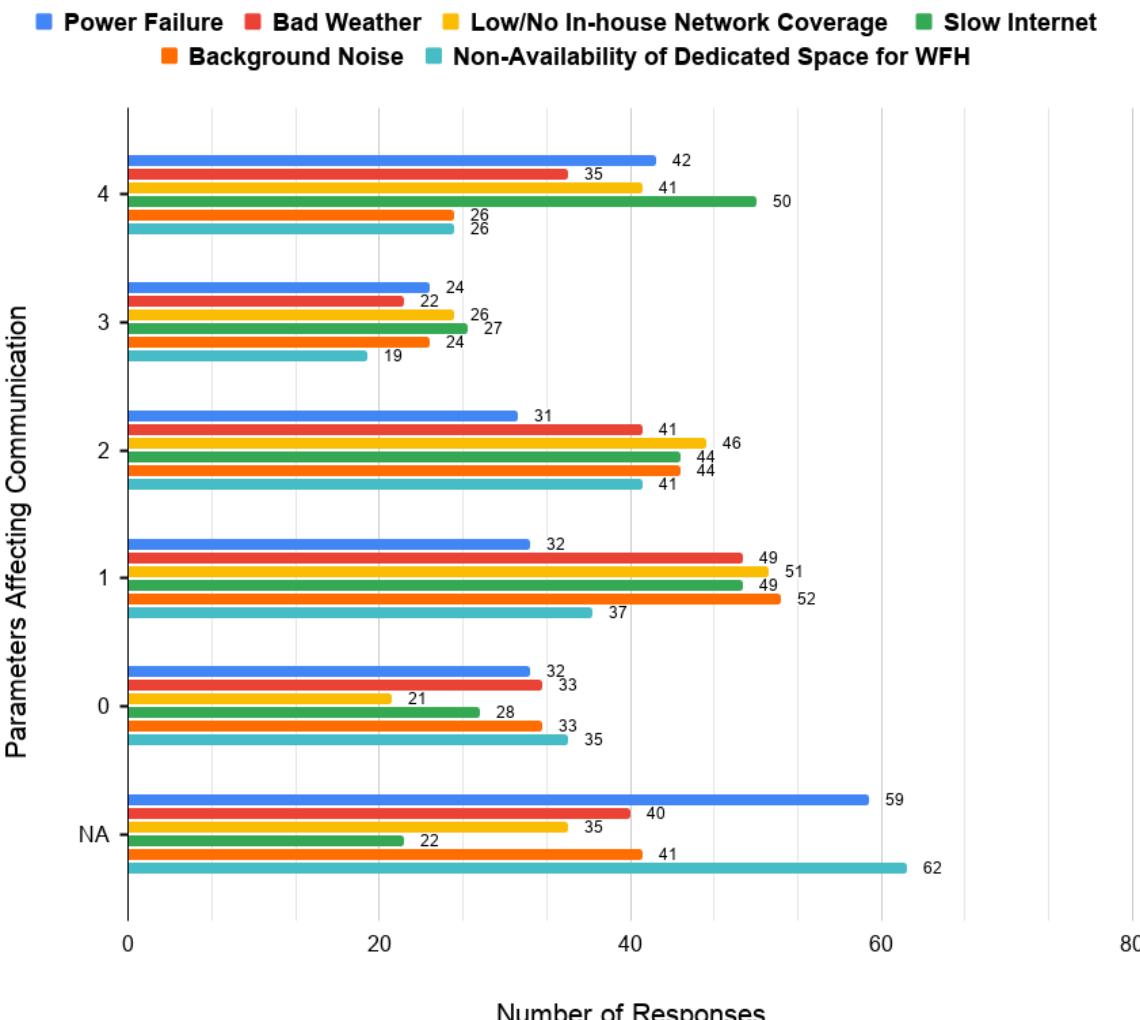


Figure - 7: User Rating: Impact of Parameters on Communication

Finally, when asked about WFH and workplace choice, 15.45% of participants wanted to work from home. This group belonged to the IT sector, where physical presence in the office was not crucial. On the other hand, 26.82% chose strictly working from the office only. They are participants from rural areas, have communication problems, or need a physical presence at work. As seen in figure 8, the highest number of individuals (30.46%) chose both options, meaning they want to work from the office and home. The chart's inclination towards the right side interprets that most individuals prefer working more in the office than at home.

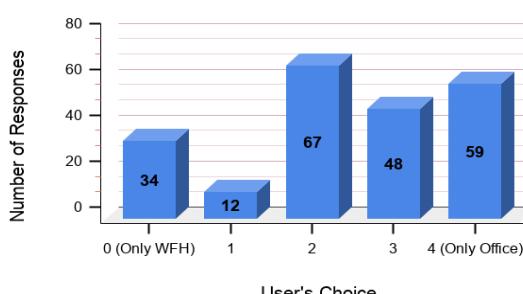


Figure - 8: User Choice: WFH Vs. Office

5.2 Benefits and Limitations

The current global pandemic has led to the development and advancements in the WFH lifestyle worldwide. The usage and requirements of working from home vary from person to person and profession to profession—the associated benefits and limitations of WFH as described below.

5.2.1 Benefits: Following are the benefits of working from home.

5.2.1.1 Anyone-Anytime-Anywhere (AAA) Flexibility: The AAA flexibility refers to the ease of access and flexibility to work from any place (inside the residential/quarantine quarters), at any time, and with any person (team member, colleague, client). The users can fix their working time and duration at their comfort. They can also choose the colleague(s) they want to work with, thereby more minor disturbance from galling co-workers, which cannot be avoided entirely at the workplace. Recent trends have shown that AAA flexibility has increased productivity [Pandey et al., 2020].

5.2.1.2 Wardrobe Flexibility: As the employees are not physically present and are accessing their systems/servers via a network, WFH offers them the flexibility of dressing and wardrobe. The employees now can work in their most comfortable outfit without affecting the work/dress code ethic. This choice was not available in the pre-pandemic era.

5.2.1.3 Acceleration in Digital Communication: WFH approach has led to accelerated growth in the domain of digital communication. Whether it be manufacturing, automation, teaching & education, IT, and consultancy services, every commercial activity is readily available on the digital platform and extensively used on a day-to-day basis through telecommuting.

5.2.1.4 Time Saving during Transit: The employees no longer have to be physically available at their workplace. Remote access and control enable the users to connect, control, monitor their systems remotely via telecommuting. WFH approach saves a significant amount of time in transit and traveling. Also, the associated cost and energy are conserved.

5.2.1.5 Control the spread of COVID 19: WFH lifestyle is developed with the sole purpose of controlling the spread of novel coronavirus, COVID-19, by maintaining social distancing and quarantine regimes. Telecommuting provides the required platform(s) for personal & social networks, professional meetings & discussions, remote control, and access to systems and servers. Thereby not posing a hindrance to productivity, simultaneously maintaining the safety norms.

5.2.1.6 Reduced Wastage and Pollution: Telecommuting during WFH has led to a significant decrease in pollution and wastage levels. Traffic intensity on the roads has reduced drastically, leading to an all-time low air and noise pollution. The overall environment and climate are much cleaner than before [Bashir et al., 2020].

5.2.2 Limitations: Following limitations were observed during this study:

5.2.2.1 Health Hazards: A lot of health hazards and medical problems may arise due to prolonged working hours during WFH. Problems like body aches, headaches, sore muscles, locked joints, and eye pain can occur during WFH. Mental conditions like trauma, depression, hypertension, and lack of enthusiasm can also arise frequently during WFH. No in-person/physical interactions and the absence of peer pressure can lead to a state of emotional disbalance. The absence of an ergonomically designed work setup can cause body ache, strained muscles, lethargy, and increased stress levels [Matias et al., 2020].

5.2.2.2 Hyper-Focused and Hyper-Engagement: People committed to WFH often find themselves under severe inspection during video conferencing and admits that most of their interactions are hyper-focused [Kalia, 2020]. With the advent of digital technologies, chief executives find it easy to interact with their subordinates, being aware that they can be accessed at all times. These situations might lead to a rise in productivity, but there are also severe chances of increased technostress [Ayyagari et al., (2011) & Tarafdar et al., (2007)]; the workers are expected to learn new skills and make themselves obtainable to work at any time. Also, they should be auto-updated with the digital services at all times and deal among multiple tasks synergically.

5.2.2.3 Hardware Limitations: Access to the appropriate systems/workstations required to carry out the assigned job poses a limitation for WFH. Even with remote access and control platforms. Many users choose to work on their laptops, which have limited RAM and storage capacity. Any increase required in these capacities or any other accessories like keyboard, mouse, webcam, microphone adds up to the WFH setup cost.

5.2.2.4 Stable Electricity and Network Connection: These are the fundamental prerequisites for any digital activity/telecommunication. Power outbreaks and electricity failures can reduce efficiency during WFH by affecting the device's available battery life (s)/setup. Issues like the choice of internet connectivity (broadband, wireless mobile network, fiber network, 4G/3G/2G), daily data limit, bandwidth, and internet speed directly impact productivity WFH. Only those with uninterrupted access to a stable connection can carry their work efficiently, leading to unfair resource allocation and digital divide [Ragnedda et al., (2017)].

5.2.2.5 Software Limitation: Software(s) available at the workplace may not be readily available during WFH. Some software(s) are dedicatedly installed on a specific workstation; thereby, it can only be accessed via remote access & control. Others might be available only via the institution/company's web domain which cannot be accessed via personal email ID or personal internet network. Apart from the unavailability, the version of the software can also hinder the information transfer. Many

software/platforms/websites require signup/login via a new/company account, causing multiple account signups by a single user, leading to digital junk.

5.2.2.6 Miscommunication: It is a common problem that can occur during telecommunication. The absence of in-person interactions often leads to misinterpretation and miscommunication among the participants. The delay/lag in video conferencing due to network issues can easily lead to miscommunications.

Apart from these significant issues, several other factors can pose a valid limitation towards WFH. Many telecommunication platforms limit their features to paid versions only, again leading to a digital divide. The absence of an in-meeting monitoring/attendance system can lead to malpractices like unfair assistance, false attendance, and over/underworking. The employees are also expected to be available at all times, independent of their working hours [McConnell, 2020]. In the residences, disturbances are inevitable during WFH and can hamper workflow and productivity. Also, it should be noted that not all tasks are made for WFH. Many activities require physical presence, such as defense activities, R&D, production and manufacturing, and health care services.

WFH is still an emerging concept that requires guidelines and novel work ethics related to telecommunication, internet safety, privacy, and security.

6. PROPOSED GUIDELINES FOR COMMUNICATION DURING WORK FROM HOME

We laid the following guidelines based on analysis of data obtained from the survey conducted. Please note that the guidelines are subjected to but not limited to the number of responses gathered from the survey. These guidelines can be extended by conducting a similar questionnaire with more participants, simultaneously validating the current ones.

6.1 Working Hours

A proper flexible working hour must be set to avoid overworking/under working conditions, just like office hours. The work allocation should be according to the number of tasks and not by the number of hours. Working individuals and employees should have the choice to select their preferable duration and shift of WFH.

6.2 High-Speed Unlimited Wired Internet Connectivity

As per the survey, high-speed internet connectivity was crucial for communication. The availability of a reliable and uninterrupted internet connection was a necessity for communication. An individual can prefer wired (broadband or fiber) connectivity over wireless connectivity because the former has the lowest degree of uncertainty.

6.3 Minimum Viable Electronic Gadget (MVEG) Requirements

To begin proper communication, an individual needs essential electronic gadgets such as a laptop/PC/desktop, antivirus software, webcam, data storage devices, accessories like keyboard and mouse, with minimum specifications as suggested by the respective organization. Proper assistance to the employee is essential in selecting the MVEG requirement, which would further improve communication.

6.4 Dedicated Space for Work at Home

To avoid any disturbance during communication, an individual must have a dedicated workspace. Background noise was undesirable in communication during WFH, which may incur resources to dampen or eradicate the noise. A dedicated workspace that was devoid of any external noises or disturbances was a must for efficient communication.

6.5 Financial Assistance

Some individuals may not bear the setup cost pertained to the WFH. In such cases, financial assistance, either monetarily or in terms of resource allocation, would be a great help. According to the requirement of electronic gadgets and internet connectivity, the concerned individual can claim some financial assistance from the employer. Employers can also provide these facilities, apart from basic requirements, to the individuals who wish to improve their system performance by some add-ons.

7. CONCLUSION

Based on the analysis of data collected from an online survey, we have drawn the following conclusions:

1. WFH was a nascent concept used to remotely communicate with the workspace while remaining at the residential area to confine the spread of novel coronavirus COVID-19. The urban population primarily used WFH within the age group of 21-30 years.
2. Most organizations were severely impacted during the COVID-19 pandemic. More severely impacted industries were those requiring physical presence. Some sectors, such as entertainment, were adversely affected, while medicine and healthcare did not.
3. During the initial lockdown period, people worked from home for three to five months, with an average working duration of 7 hours, predominantly during afternoon and evening shifts. Laptops and mobile phones were the most commonly used User's Choice Communication Device for WFH [Amadieu et al., 2016].
4. Zoom, MS Teams, and Google Meet were the most commonly used Professional Meetings platforms for WFH. Communication mediums such as WhatsApp and Phone Calls were also extensively used. Remote Access and Control was not a preferred mode of communication during WFH.
5. 4G Wireless Mobile Network was the most preferred internet connectivity type. With the jump in cellular network usage during WFH, a considerable drop in the network can be observed at times. The daily internet quota limit can also pose a challenge for uninterrupted telecommunication.

6. Various parameters affect communications during WFH. Parameters such as slow internet connectivity, power failure, low in-house network coverage, and a dedicated space for WFH can hamper telecommunications heavily.
7. WFH was an emerging area where it was probable to expect a hike in the number of users, typically from the IT sector, who wish to choose WFH as their primary working model. There was a resistance to shift towards WFH, as many wished to continue from office only.

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Authors' Contribution

Yogesh Patil: Study Design, Methodology, Forming the Questionnaire, Manuscript Writing. Ashik Kumar Patel: Study Design, Data Collection, Data Interpretation. Yash Gopal Mittal: Data Collection, Manuscript Writing, Data Representation. Ashmak Moon: Data Collection, Data Representation, Data Analysis. Sudhanshu Dubey: Data analysis, Data Interpretation. Milind Akarte: Manuscript Review, Supervision. Balkrishna Narkhede: Manuscript Review, Supervision. Manoj Kumar Tiwari: Manuscript Review, Supervision. K P Karunakaran: Manuscript Review, Supervision.

Disclosure Statement

All listed authors declare no conflict of interest.

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Annexure I – Questionnaire

Hello, thank you for agreeing to take this survey. It will take five minutes of your time. We, students, and researchers at IIT Bombay & NITIE Mumbai are collecting data on "Communication During Work From Home (WFH)" for research purposes. Kindly answer all the questions authentically. The answers will be the basis for the research and will also have an impact on future research as well.

1) Gender?* (Mark only one)

- a) Male
- b) Female
- c) Other _____

2) Age (years)?* (Mark only one)

- a) Below 20
- b) 21-30
- c) 31-40
- d) 41-50
- e) 51 and above

3) Which place were/are you living during WFH? (Place, Zip Code) (Eg. Powai 400 076)*

4) Which area were you living in during WFH?* (Mark only one)

- a) Rural
- b) Urban

About Your Organization (Please answer the following questions about your organization)

5) Which industry were/are you employed during WFH?* (Mark only one)

- a) Accounting
- b) Administration & Office Support
- c) Advertising, Arts & Media
- d) Banking & Financial Services
- e) Call Centre & Customer Service
- f) Community Services & Development
- g) Construction
- h) Consulting & Strategy
- i) Design & Architecture
- j) Education & Training
- k) Engineering
- l) Farming, Animals & Conservation
- m) Government & Defence
- n) Healthcare & Medical/Pharmaceutical
- o) Hospitality & Tourism
- p) Human Resources & Recruitment
- q) Information & Communication Technology
- r) Insurance & Superannuation
- s) Legal
- t) Manufacturing, Transport & Logistics
- u) Marketing & Communications
- v) Mining, Resources & Energy
- w) Real Estate & Property
- x) Retail & Consumer Products
- y) Sales
- z) Science & Technology
- aa) Sport & Recreation
- bb) Trades & Services
- cc) Other _____

6) Your role/position at the organization during WFH?* (Mark only one)

- a) Clerical
- b) Engineer/Researcher/Technician
- c) Managerial
- d) Professor/Lecturer
- e) Student
- f) Other _____

7) At what level does COVID-19 have impacted your organization?* (Mark only one)

- a) No Impact at all
- b) Mild Impact
- c) Medium Impact
- d) Severe Impact

About WFH (Please answer the questions related to WFH)

- 8) For how many months did you WFH since the beginning of the COVID-19 pandemic?* (Mark only one)
- a) Less than a month
 - b) 1-2 months
 - c) 2-3 months
 - d) 3-4 Months
 - e) 4-5months
 - f) 5+ Months
- 9) How many hours have you are/were working during WFH?* (Mark only one)
- a) 1-3
 - b) 3-5
 - c) 5-7
 - d) 7-9
 - e) 9-11
 - f) 11+
- 10) When was/is your shift during WFH? (You can select multiple options)* (Check all that apply)
- a) Morning
 - b) Afternoon
 - c) Evening
 - d) Night
- 11) What is your preferred shift during WFH? (You can select multiple options)* (Check all that apply)
- a) Morning
 - b) Afternoon
 - c) Evening
 - d) Night
- 12) Which of the following do/did you use to communicate during WFH? (Select "NA" if you didn't/do not use the platform) Also, rate the comfort level (0 = No comfort at all; 4 = Highly comfortable)* (Mark only one per row)
- | | NA | 0 | 1 | 2 | 3 | 4 |
|---|----|---|---|---|---|---|
| a) Phone Calls & SMS | | | | | | |
| b) WhatsApp | | | | | | |
| c) Telegram | | | | | | |
| d) Hangouts | | | | | | |
| e) Social Media (FB, Twitter, Instagram, etc) Cisco | | | | | | |
| f) Google Meet | | | | | | |
| g) Zoom | | | | | | |
| h) Cisco WebEx | | | | | | |
| i) MS Teams | | | | | | |
| j) Jio Meet | | | | | | |
| k) Skype | | | | | | |
| l) TeamViewer | | | | | | |
| m) Chrome Remote Desktop | | | | | | |
- 13) Given a choice, which platform will you prefer for WFH?* (Mark only one)

- a) Phone Calls & SMS
- b) WhatsApp
- c) Telegram
- d) Hangouts
- e) Social Media (FB, Twitter, Instagram, etc)
- f) Google meet
- g) Zoom
- h) CISCO WebEx
- i) MS teams
- j) Jio Meet
- k) Skype
- l) Teamviewer
- m) Chrome Remote Desktop
- n) Other _____

14) Which device did/do you use during WFH? (Select "NA" if you don't use the device) Also, rate the comfort level (0 = No comfort at all; 4 = Highly comfortable)* (Mark only one per row)

		NA	0	1	2	3	4
a)	Mobile						
b)	Tablet						
c)	Laptop						
d)	PC/Desktop						
e)	Other Devices (Eg. Smart TV)						

About Internet Connectivity (Answer the following questions about the internet connectivity at home during WFH)

- 15) Which internet connectivity did/do you use at your home during WFH (multiple option selection possible, but select only those you have been using/used) * (Check all that apply)
- a) Broadband (Eg. BSNL, MTNL, etc)
 - b) Fiber Network (Eg. Jiofiber)
 - c) Wireless Mobile Network (Eg. Mobile hotspot, Dongle, etc.)

16) In the mobile network context, which of the following internet connectivity is available in your area? (Select highest possible)* (Mark only one)

- a) 2G (GSM/GPRS/Edge)
- b) 3G (CDMA/WCDMA/HSPDA)
- c) 4G (LTE)
- d) Other _____

17) Did you experience any drop in the level of the mobile network? (Select "NA" if never experienced)* (Mark only one per row)

		NA	Yes	No
a)	4G to 3G			
b)	4G to 2G			
c)	3G to 2G			

18) In the view of only WFH, what do you think of the daily/monthly limit on internet quota (do not consider data consumed for entertainment purposes) (multiple selections possible, but select only those you have been using/used)* (Mark only one per row)

		NA	Insufficient	Sufficient
a)	Broadband			
b)	Fiber Network			
c)	Mobile Network			

19) What is the impact of the following parameters on communication during your WFH timeline? ("0" = No effect; "4" = Adverse effect) (Select NA, if you have not experienced the mentioned situation)* (Mark only one per row)

		NA	0	1	2	3	4
a)	Power Failure						
b)	Bad Weather Condition						
c)	Low/No Coverage Inside the House						
d)	Low Internet Speed						
e)	Background Noise/Family Disturbance						
f)	Non-availability of Dedicated Space for WFH						

20) Any other parameters you think have an impact on communication during WFH?

21) Please rate the impact of the above question. (Mark only one)

0	1	2	3	4	
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No effect						Adverse effect
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22) Given a choice, what will you prefer? ("0" = Only WFH and "4" = Only Office/Workplace)* (Mark only one)

	0	1	2	3	4	
WFH						Office/Workplace

23) Any comments/feedback related to communication during WFH? Feel free to write as much as you want.

Annexure II – Responses

Responses to questions 3, 20, 21, and 23 were omitted; since they were non-significant and are for gathering the location and comments from the participants.

Sr. No.	Timestamp	Q.1	Q.2	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10
1	9-4-2020 1:07:22	a)	b)	a)	j)	b)	c)	e)	c)	c), d)
2	9-4-2020 1:15:58	a)	b)	a)	j)	b)	c)	e)	c)	c), d)
3	9-4-2020 1:31:49	a)	b)	a)	j)	b)	c)	e)	c)	c), d)
4	9-4-2020 2:39:52	a)	b)	a)	j)	b)	c)	e)	c)	c), d)
5	9-4-2020 2:49:45	a)	b)	b)	j)	b)	c)	f)	b)	b), c)
6	9-4-2020 2:55:26	a)	b)	b)	k)	b)	c)	f)	c)	d)
7	9-4-2020 8:24:11	a)	b)	b)	k)	b)	d)	f)	c)	a), b), c), d)
8	9-4-2020 8:37:51	b)	b)	b)	k)	e)	c)	d)	a)	a), b), c), d)
9	9-4-2020 9:43:48	a)	b)	b)	k)	b)	b)	d)	d)	a), b), c)
10	9-4-2020 9:42:24	a)	b)	a)	z)	b)	b)	f)	d)	a), b), c)
11	9-4-2020 9:42:26	a)	b)	b)	h)	b)	b)	f)	d)	a), b)
12	9-4-2020 9:45:51	a)	b)	a)	j)	b)	d)	f)	c)	a), b), c)
13	9-4-2020 9:45:56	b)	c)	b)	j)	d)	c)	f)	a)	a), b)
14	9-4-2020 9:50:42	a)	b)	a)	k)	e)	c)	f)	c)	a), b), c)
15	9-4-2020 9:54:39	a)	b)	a)	n)	e)	c)	f)	b)	a), b), c), d)
16	9-4-2020 10:00:47	a)	c)	b)	k)	d)	c)	e)	c)	a), b)
17	9-4-2020 10:01:55	a)	b)	b)	j)	e)	d)	e)	c)	a), b), c)
18	9-4-2020 10:05:46	a)	c)	b)	t)	c)	d)	b)	e)	a), b), c), d)
19	9-4-2020 10:07:50	b)	b)	b)	j)	d)	c)	e)	c)	a), b)
20	9-4-2020 10:08:56	b)	b)	b)	n)	e)	d)	f)	c)	a), b), c)
21	9-4-2020 10:09:34	a)	b)	a)	j)	d)	d)	e)	a)	a), b), c)
22	9-4-2020 10:11:24	a)	c)	a)	q)	b)	d)	f)	e)	a), b)
23	9-4-2020 10:11:34	a)	b)	b)	q)	b)	b)	b)	c)	a), c)
24	9-4-2020 10:14:41	a)	c)	b)	t)	c)	d)	f)	b)	a), b)
25	9-4-2020 10:19:11	a)	b)	a)	k)	e)	c)	f)	e)	b), c), d)
26	9-4-2020 10:20:34	a)	b)	b)	k)	e)	c)	d)	b)	a), b)
27	9-4-2020 10:23:49	a)	b)	b)	q)	b)	c)	f)	f)	a), b), c), d)
28	9-4-2020 10:24:21	a)	b)	b)	k)	b)	c)	f)	a)	a), b), c), d)
29	9-4-2020 10:24:26	a)	b)	b)	j)	b)	b)	f)	c)	a), c), d)
30	9-4-2020 10:24:56	b)	b)	b)	t)	c)	c)	f)	d)	b), d)
31	9-4-2020 10:33:50	a)	b)	b)	j)	b)	c)	f)	c)	a), b)
32	9-4-2020 10:34:37	a)	b)	a)	q)	b)	a)	f)	c)	b), c)
33	9-4-2020 10:36:06	a)	b)	b)	k)	b)	b)	b)	c)	a), b)
34	9-4-2020 10:36:25	a)	b)	b)	j)	e)	b)	f)	c)	a), b)
35	9-4-2020 10:36:30	b)	b)	b)	j)	e)	c)	b)	e)	a), b), c)
36	9-4-2020 10:39:23	b)	b)	b)	k)	b)	c)	d)	d)	a), b)
37	9-4-2020 10:42:14	a)	b)	a)	y)	b)	b)	a)	a)	a)
38	9-4-2020 10:48:02	b)	b)	b)	c)	c)	d)	b)	b)	b)
39	9-4-2020 10:52:38	b)	b)	b)	k)	b)	d)	f)	d)	a), b), c)
40	9-4-2020 10:52:59	a)	b)	b)	k)	b)	c)	b)	a)	b)
41	9-4-2020 10:54:51	a)	b)	b)	k)	e)	a)	f)	c)	a), b), c)
42	9-4-2020 11:01:37	b)	b)	b)	j)	d)	d)	d)	e)	a), b), c)
43	9-4-2020 11:04:17	a)	b)	b)	k)	b)	b)	d)	b)	a), b), c), d)
44	9-4-2020 11:10:40	a)	b)	a)	q)	b)	d)	e)	f)	a), b), c)
45	9-4-2020 11:15:20	a)	b)	b)	j)	e)	d)	f)	d)	a), b), c), d)
46	9-4-2020 11:17:19	b)	b)	b)	b)	a)	c)	f)	d)	a), c)
47	9-4-2020 11:23:31	a)	b)	b)	j)	b)	c)	c)	c)	a), b)
48	9-4-2020 11:26:34	a)	b)	b)	q)	c)	b)	f)	f)	a), b), c)
49	9-4-2020 11:41:55	a)	b)	b)	j)	b)	c)	e)	c)	b), c)
50	9-4-2020 11:42:24	a)	c)	a)	j)	b)	c)	e)	d)	a), b)
51	9-4-2020 11:44:10	a)	b)	b)	z)	b)	b)	f)	c)	b)
52	9-4-2020 11:48:12	a)	b)	b)	q)	c)	b)	d)	f)	a), b), c), d)
53	9-4-2020 11:49:33	a)	c)	b)	b)	c)	c)	f)	f)	a), b), c)
54	9-4-2020 11:53:23	a)	b)	b)	q)	b)	a)	e)	e)	a), b)
55	9-4-2020 11:56:18	b)	b)	b)	k)	b)	c)	b)	d)	a), b)
56	9-4-2020 12:07:59	a)	b)	a)	k)	e)	d)	f)	b)	a)
57	9-4-2020 12:08:50	a)	b)	b)	k)	e)	d)	f)	e)	a), b), c), d)
58	9-4-2020 12:10:16	a)	b)	b)	v)	c)	d)	a)	d)	a), b)
59	9-4-2020 12:14:51	a)	b)	b)	q)	b)	c)	f)	d)	a), b), c)

60	9-4-2020 12:21:34	a)	c)	b)	n)	f) Consultant	c)	d)	c)	a), c)
61	9-4-2020 12:22:09	b)	b)	b)	k)	e)	c)	f)	d)	a), b), c), d)
62	9-4-2020 12:28:22	a)	b)	b)	k)	e)	c)	d)	a)	a)
63	9-4-2020 12:29:52	b)	b)	b)	j)	e)	c)	e)	c)	a), b), c), d)
64	9-4-2020 12:37:08	a)	b)	b)	z)	b)	b)	f)	b)	a), b), c), d)
65	9-4-2020 12:39:06	b)	b)	b)	cc)	b)	c)	f)	d)	a), b)
66	9-4-2020 12:43:05	a)	c)	b)	j)	e)	d)	a)	d)	a), b), c)
67	9-4-2020 12:44:43	a)	b)	b)	k)	e)	c)	f)	a)	a), b), c), d)
68	9-4-2020 12:55:04	a)	b)	a)	u)	c)	c)	f)	f)	a), b), c), d)
69	9-4-2020 12:56:42	a)	d)	b)	c)	c)	d)	f)	d)	c), d)
70	9-4-2020 13:01:44	a)	b)	b)	j)	e)	d)	f)	b)	d)
71	9-4-2020 13:08:44	a)	b)	b)	k)	e)	c)	f)	b)	a), b), c), d)
72	9-4-2020 13:15:11	a)	c)	b)	k)	b)	a)	f)	d)	a), b), c)
73	9-4-2020 14:06:07	b)	a)	a)	j)	e)	c)	c)	a)	a)
74	9-4-2020 14:06:33	a)	b)	a)	z)	b)	c)	f)	c)	a), c)
75	9-4-2020 14:40:29	a)	b)	a)	n)	f) Medical officer	d)	c)	c)	a), b)
76	9-4-2020 14:49:44	b)	b)	b)	j)	b)	c)	f)	a)	d)
77	9-4-2020 15:28:27	a)	a)	b)	k)	e)	c)	e)	a)	a), b)
78	9-4-2020 16:50:33	a)	b)	b)	k)	b)	b)	b)	c)	a), b), c)
79	9-4-2020 17:03:01	a)	c)	b)	n)	c)	d)	a)	a)	b)
80	9-4-2020 17:09:45	a)	b)	b)	k)	e)	c)	f)	c)	a), b), c), d)
81	9-4-2020 17:21:37	a)	b)	b)	k)	b)	b)	d)	c)	a), c)
82	9-4-2020 17:25:56	b)	b)	a)	j)	e)	c)	f)	d)	a), b), d)
83	9-4-2020 17:31:46	b)	b)	b)	j)	d)	b)	e)	b)	a), b)
84	9-4-2020 17:56:34	a)	b)	b)	k)	b)	c)	f)	f)	a), b), c), d)
85	9-4-2020 18:35:32	a)	b)	b)	z)	b)	c)	f)	c)	b)
86	9-4-2020 19:08:16	a)	b)	b)	k)	e)	c)	c)	c)	a), b)
87	9-4-2020 19:11:06	a)	b)	b)	k)	e)	c)	f)	e)	b), c), d)
88	9-4-2020 19:12:01	a)	a)	b)	k)	e)	d)	c)	d)	a), b), c), d)
89	9-4-2020 19:13:45	a)	c)	b)	y)	b)	c)	f)	d)	a), b)
90	9-4-2020 19:52:13	a)	c)	a)	e)	c)	a)	f)	e)	c), d)
91	9-4-2020 20:03:22	a)	e)	b)	j)	d)	c)	d)	b)	a), b)
92	9-4-2020 20:05:52	b)	e)	b)	j)	d)	c)	c)	a)	b)
93	9-4-2020 20:06:13	a)	b)	a)	j)	b)	d)	f)	c)	a), b), d)
94	9-4-2020 20:06:45	a)	b)	b)	k)	e)	d)	f)	f)	a), b), c), d)
95	9-4-2020 20:09:39	a)	c)	b)	n)	b)	d)	f)	c)	a)
96	9-4-2020 20:14:28	a)	b)	a)	q)	b)	b)	f)	e)	a), b), c)
97	9-4-2020 20:15:45	b)	c)	a)	j)	a)	c)	b)	a)	a)
98	9-4-2020 20:29:11	a)	b)	b)	k)	c)	c)	f)	e)	b), c)
99	9-4-2020 20:37:01	a)	b)	a)	j)	e)	c)	f)	a)	a)
100	9-4-2020 20:42:18	a)	b)	b)	k)	b)	d)	f)	c)	a), b)
101	9-4-2020 21:06:33	b)	b)	b)	k)	b)	c)	f)	b)	b), c)
102	9-4-2020 21:59:07	b)	b)	b)	m)	c)	c)	c)	b)	a), b)
103	9-4-2020 22:07:50	a)	b)	a)	k)	b)	d)	b)	a)	a)
104	9-4-2020 22:12:14	a)	b)	b)	m)	b)	b)	a)	d)	a), b), c), d)
105	9-4-2020 22:13:44	a)	b)	a)	q)	b)	c)	f)	e)	a), b), c)
106	9-4-2020 22:14:40	a)	b)	a)	k)	e)	a)	b)	e)	a), b), c)
107	9-4-2020 22:24:45	b)	b)	a)	k)	e)	b)	b)	c)	a)
108	9-4-2020 22:28:59	a)	b)	a)	k)	b)	c)	c)	e)	a), b), c)
109	9-4-2020 22:33:39	b)	c)	b)	p)	b)	b)	b)	c)	a), b), c)
110	9-4-2020 23:21:02	a)	b)	b)	j)	e)	d)	d)	b)	b), c), d)
111	9-4-2020 23:21:04	b)	c)	b)	b)	c)	c)	d)	c)	a), b), c)
112	9-4-2020 23:22:36	b)	b)	b)	q)	b)	c)	f)	c)	a), b), c)
113	9-4-2020 23:23:24	a)	b)	b)	j)	e)	c)	f)	b)	a), b)
114	9-4-2020 23:34:38	a)	b)	b)	k)	b)	d)	c)	b)	b)
115	9-4-2020 23:44:26	b)	b)	b)	q)	b)	a)	a)	b)	a), b)
116	9-4-2020 23:57:12	a)	b)	a)	k)	b)	c)	b)	b)	b), d)
117	9-5-2020 0:04:34	a)	b)	b)	bb)	b)	b)	d)	e)	a), b), c)
118	9-5-2020 0:13:26	a)	c)	a)	k)	d)	d)	d)	c)	a), b)
119	9-5-2020 0:25:46	b)	b)	b)	b)	a)	b)	f)	e)	a), b), c)
120	9-5-2020 0:40:25	a)	b)	b)	q)	b)	c)	f)	c)	a), b), c)
121	9-5-2020 0:59:41	a)	b)	b)	l)	e)	c)	a)	a)	b)
122	9-5-2020 1:31:15	a)	b)	b)	h)	e)	c)	c)	c)	a), b)
123	9-5-2020 2:24:59	a)	b)	b)	k)	e)	c)	c)	b)	a), b), c)

124	9-5-2020 5:25:52	a)	b)	b)	q)	b)	b)	e)	c)	b), c)
125	9-5-2020 5:28:56	a)	b)	a)	q)	b)	a)	f)	d)	a), b), d)
126	9-5-2020 10:09:53	a)	b)	b)	q)	b)	a)	f)	d)	a), b), c)
127	9-5-2020 10:58:48	b)	b)	a)	q)	b)	b)	d)	e)	a), b), c)
128	9-5-2020 11:05:44	a)	c)	b)	b)	a)	b)	a)	a)	a)
129	9-5-2020 12:08:43	a)	b)	b)	j)	e)	c)	f)	c)	a), b)
130	9-5-2020 12:14:00	a)	c)	b)	j)	d)	c)	f)	a)	a)
131	9-5-2020 12:33:35	a)	b)	a)	j)	e)	b)	e)	b)	a), b), d)
132	9-5-2020 12:36:07	a)	c)	b)	d)	c)	c)	e)	d)	a), b), c)
133	9-5-2020 12:56:09	a)	e)	b)	b)	a)	c)	e)	b)	b), c)
134	9-5-2020 12:57:38	b)	b)	b)	k)	e)	c)	f)	c)	b), c)
135	9-5-2020 13:06:31	a)	c)	a)	j)	c)	c)	d)	c)	a), b), c)
136	9-5-2020 14:18:14	a)	b)	b)	u)	c)	c)	f)	e)	a), b), c)
137	9-5-2020 14:25:39	a)	b)	a)	k)	b)	b)	f)	e)	a), b)
138	9-5-2020 14:47:03	a)	a)	b)	aa)	e)	a)	a)	a)	c)
139	9-5-2020 15:44:03	a)	b)	b)	c)	c)	c)	f)	f)	a), b), c), d)
140	9-5-2020 15:55:08	b)	c)	b)	c)	c)	c)	a)	f)	a), b), c)
141	9-5-2020 16:14:16	a)	b)	b)	k)	b)	d)	d)	d)	b), c)
142	9-5-2020 16:19:24	a)	b)	a)	k)	e)	c)	b)	b)	a), b)
143	9-5-2020 16:30:36	a)	b)	b)	c)	c)	c)	f)	e)	a), b), c)
144	9-5-2020 16:30:40	a)	b)	b)	c)	c)	c)	f)	e)	a), b), c)
145	9-5-2020 16:36:26	b)	b)	b)	j)	e)	d)	e)	c)	a), b), c)
146	9-5-2020 16:38:21	b)	c)	b)	j)	e)	a)	f)	b)	a), b)
147	9-5-2020 16:44:24	a)	c)	b)	y)	b)	c)	c)	d)	a), b), c)
148	9-5-2020 16:44:38	a)	d)	a)	j)	b)	d)	e)	a)	a)
149	9-5-2020 16:45:16	a)	b)	b)	p)	c)	c)	f)	f)	d)
150	9-5-2020 16:50:56	a)	b)	b)	q)	b)	c)	f)	d)	a), b), c)
151	9-5-2020 16:54:14	a)	b)	a)	k)	b)	b)	d)	e)	a), b), c)
152	9-5-2020 16:59:53	b)	b)	b)	n)	e)	d)	f)	a)	a), b)
153	9-5-2020 17:14:16	b)	c)	b)	m)	b)	d)	f)	b)	a), b)
154	9-5-2020 17:14:22	a)	c)	b)	bb)	c)	c)	d)	c)	b), c)
155	9-5-2020 17:15:34	a)	c)	a)	t)	b)	b)	a)	c)	a), b)
156	9-5-2020 17:21:12	a)	e)	b)	m)	b)	b)	e)	c)	b), c)
157	9-5-2020 17:33:30	b)	b)	b)	n)	e)	c)	f)	b)	a)
158	9-5-2020 17:36:52	a)	d)	a)	k)	b)	c)	f)	c)	a), b), c)
159	9-5-2020 17:39:18	b)	b)	b)	q)	b)	b)	f)	d)	a), b), c)
160	9-5-2020 17:40:48	a)	b)	b)	k)	e)	c)	f)	d)	a), b), c), d)
161	9-5-2020 17:45:49	b)	b)	b)	z)	e)	b)	b)	d)	a), c)
162	9-5-2020 17:50:11	a)	e)	b)	v)	c)	b)	f)	e)	a), b), c)
163	9-5-2020 17:55:27	a)	c)	b)	k)	e)	c)	e)	c)	a), b)
164	9-5-2020 18:01:18	a)	b)	b)	q)	b)	d)	f)	e)	a), b), c)
165	9-5-2020 18:01:30	a)	b)	b)	q)	b)	c)	f)	d)	a), b), d)
166	9-5-2020 18:02:07	a)	b)	b)	k)	b)	d)	c)	c)	a), c)
167	9-5-2020 18:02:10	a)	b)	b)	j)	e)	c)	e)	a)	a)
168	9-5-2020 18:14:18	b)	b)	a)	k)	e)	d)	e)	b)	a), b), c)
169	9-5-2020 18:16:32	a)	e)	b)	s)	c)	a)	c)	b)	c)
170	9-5-2020 18:16:35	a)	b)	b)	j)	e)	c)	f)	b)	a), b)
171	9-5-2020 18:24:27	a)	b)	a)	t)	b)	c)	e)	e)	a), b), c), d)
172	9-5-2020 18:26:02	a)	b)	b)	k)	b)	d)	f)	d)	a), b)
173	9-5-2020 18:44:52	b)	b)	b)	c)	f) Actor	d)	a)	a)	b)
174	9-5-2020 19:04:35	b)	b)	b)	k)	e)	c)	b)	c)	a)
175	9-5-2020 19:07:58	a)	c)	a)	q)	c)	b)	f)	d)	a), b), d)
176	9-5-2020 19:34:10	a)	b)	b)	q)	b)	d)	d)	d)	b)
177	9-5-2020 20:30:09	a)	b)	b)	k)	b)	a)	e)	d)	a)
178	9-5-2020 20:45:36	a)	d)	b)	t)	c)	c)	f)	b)	a), b)
179	9-5-2020 21:01:32	a)	b)	b)	j)	e)	d)	c)	b)	a), b)
180	9-5-2020 21:37:29	a)	c)	a)	n)	f) Pharmacist	b)	f)	d)	a), b), c), d)
181	9-5-2020 21:47:46	a)	e)	b)	k)	c)	c)	f)	d)	a), b)
182	9-5-2020 21:49:56	a)	b)	a)	k)	e)	d)	b)	b)	a), b), c)
183	9-5-2020 22:04:14	a)	b)	b)	n)	e)	d)	e)	b)	a), b)
184	9-5-2020 23:11:41	b)	b)	b)	q)	b)	b)	f)	d)	a), b)
185	9-5-2020 23:29:05	a)	d)	b)	q)	c)	b)	f)	f)	a)
186	9-5-2020 23:34:06	a)	b)	b)	t)	b)	c)	c)	d)	a), b), c)
187	9-5-2020 23:43:59	b)	b)	b)	j)	e)	d)	f)	a)	a)

188	9-6-2020 0:31:09	a)	b)	a)	q)	b)		a)	f)	e)	a), b)
189	9-6-2020 0:34:20	b)	b)	b)	q)	b)		a)	a)	d)	a), b)
190	9-6-2020 8:37:04	a)	b)	a)	k)	b)		c)	f)	d)	a), b)
191	9-6-2020 8:39:48	a)	b)	b)	k)	e)		c)	d)	c)	a), b)
192	9-6-2020 8:43:01	a)	b)	b)	i)	b)		b)	f)	e)	a), b), c)
193	9-6-2020 8:50:38	a)	c)	b)	v)	c)		c)	b)	a)	b)
194	9-6-2020 8:56:22	a)	b)	b)	q)	b)		b)	f)	d)	a), b)
195	9-6-2020 9:01:00	b)	d)	b)	j)	d)		d)	f)	e)	a), b), c), d)
196	9-6-2020 9:11:01	b)	c)	b)	x)	c)		b)	f)	f)	a), b), c)
197	9-6-2020 9:19:05	b)	c)	b)	j)	d)		d)	f)	e)	a), b), c)
198	9-6-2020 9:24:58	a)	c)	a)	d)	c)		d)	a)	e)	a), b), c)
199	9-6-2020 9:27:02	b)	d)	b)	j)	d)		d)	f)	b)	a)
200	9-6-2020 9:28:55	b)	d)	b)	j)	d)		d)	f)	e)	a), b), c)
201	9-6-2020 9:39:27	b)	c)	b)	j)	d)		d)	f)	d)	a), b)
202	9-6-2020 9:59:53	a)	b)	b)	k)	b)		a)	d)	d)	a), b)
203	9-6-2020 10:07:30	a)	c)	b)	u)	c)		d)	f)	d)	a), b), c)
204	9-6-2020 10:14:20	b)	d)	b)	j)	d)		a)	f)	b)	a)
205	9-6-2020 10:28:26	a)	c)	b)	j)	c)		d)	c)	d)	a), b), c)
206	9-6-2020 12:26:00	b)	b)	b)	q)	b)		b)	f)	d)	a)
207	9-6-2020 13:17:51	b)	d)	b)	m)	a)		c)	f)	c)	a), b), c)
208	9-6-2020 13:30:31	a)	d)	b)	f)	b)		b)	f)	d)	b), c), d)
209	9-6-2020 13:37:07	a)	b)	b)	q)	b)		c)	c)	d)	a), b)
210	9-6-2020 13:43:25	a)	b)	b)	q)	b)		b)	f)	e)	a), c)
211	9-6-2020 14:17:44	a)	e)	b)	n)	d)		d)	c)	b)	a), b), c)
212	9-6-2020 14:37:06	b)	b)	b)	n)	e)		b)	a)	a)	a)
213	9-6-2020 14:42:16	a)	b)	a)	u)	c)		c)	c)	c)	b)
214	9-6-2020 17:54:18	a)	d)	a)	q)	b)		b)	f)	d)	a), b)
215	9-6-2020 18:50:13	b)	b)	b)	q)	e)		c)	c)	c)	a)
216	9-6-2020 18:58:29	a)	c)	b)	cc)	c)		d)	b)	e)	a), b), c), d)
217	9-6-2020 20:47:20	a)	d)	b)	t)	c)		c)	f)	b)	a), b)
218	9-6-2020 22:24:44	a)	d)	b)	y)	c)		b)	b)	d)	a), b), c)
219	9-6-2020 22:38:52	b)	b)	b)	m)	a)		c)	b)	f)	a), b), c), d)
220	9-9-2020 17:31:37	b)	b)	b)	q)	b)		b)	f)	d)	a), b)

Sr. No.	Q. 11	Q. 12												
		a)	b)	c)	d)	e)	f)	g)	h)	i)	j)	k)	l)	m)
1	b), c)	4	4	NA	NA	NA	4	1	NA	NA	NA	1	4	NA
2	c), d)	4	4	NA	NA	NA	4	1	NA	NA	NA	1	4	NA
3	b), c)	4	4	NA	NA	NA	4	1	NA	NA	NA	1	4	NA
4	b), c)	4	4	NA	NA	NA	3	4	NA	NA	NA	2	3	NA
5	b), c)	NA	3	NA	NA	NA	3	4	2	4	NA	2	2	NA
6	d)	4	4	3	3	2	4	4	2	NA	NA	4	3	NA
7	b), d)	3	4	NA	NA	1	4	1	1	NA	NA	1	1	NA
8	a), b)	2	4	NA	NA	NA	3	2	1	2	NA	3	NA	NA
9	a)	3	NA	4	NA	NA	NA	NA						
10	a), b), c)	1	1	NA	NA	2	4	2	4	3	NA	2	4	NA
11	a)	2	2	NA	2	NA	2	2	NA	NA	NA	2	NA	NA
12	a)	1	1	NA	NA	NA	1	1	0	1	NA	NA	1	0
13	a), b)	1	1	NA	NA	2	2	2	NA	2	2	0	1	NA
14	c)	0	0	0	0	1	NA	2	2	3	NA	NA	2	NA
15	a)	1	2	NA	NA	NA	3	NA	4	1	NA	NA	NA	1
16	b), c)	3	2	4	2	2	4	4	4	4	2	4	2	2
17	b), c)	3	2	1	NA	0	4	2	1	1	NA	2	4	0
18	b), c)	4	4	NA	NA	NA	3	NA	NA	NA	NA	NA	4	4
19	a)	2	2	2	NA	NA	2	1	2	2	NA	NA	2	2
20	a), b)	3	2	2	1	NA	3	3	NA	2	NA	4	NA	NA
21	c)	3	4	NA	NA	NA	3	4	0	0	NA	0	NA	NA
22	a)	0	1	NA	4	NA	4	NA	0	0	NA	NA	NA	3
23	a), c)	4	4	NA	NA	NA	NA	NA	3	4	NA	NA	NA	4
24	a), b)	4	3	NA										

25	c), d)	0	4	NA	NA	2	3	4	NA	4	NA	2	4	NA
26	a), b)	2	2	NA	NA	1	2	1	NA	NA	NA	NA	0	NA
27	b), c)	2	1	NA	NA	NA	2	NA	NA	2	NA	1	NA	2
28	a), b), c), d)	0	0	0	0	0	0	0	0	0	0	0	0	0
29	a), c), d)	4	4	NA	NA	NA	4	4	NA	3	NA	NA	3	NA
30	a), b)	3	3	NA	NA	NA	NA	NA	NA	3	NA	NA	NA	NA
31	a), b)	1	4	2	3	2	2	NA	4	4	2	3	3	4
32	b)	NA	2	NA	NA	2	NA	NA						
33	a), b)	0	2	1	0	1	2	1	1	0	0	1	0	0
34	b)	NA	NA	NA	NA	NA	4	4	4	4	NA	NA	NA	NA
35	a), b)	NA	1	1	NA	NA	2	2	0	1	NA	1	NA	NA
36	a)	2	NA	2	NA	2	NA	NA						
37	a)	NA	4	NA	NA	NA	NA							
38	b)	4	4	4	3	4	4	4	2	4	4	2	4	4
39	a), b), c)	NA	NA	1	NA	NA	1	NA	NA	1	NA	NA	NA	NA
40	b)	1	1	NA	NA	NA	2	NA	1	NA	NA	NA	1	NA
41	a), b), c)	2	2	1	0	0	2	2	NA	NA	1	1	1	1
42	a), b)	1	1	0	1	0	0	0	1	0	NA	NA	NA	1
43	d)	3	4	4	NA	NA	0	0	0	0	0	0	3	NA
44	a)	2	2	NA	2	NA	2	0	2	NA	NA	NA	NA	2
45	a), b)	1	1	NA	NA	NA	1	1	1	1	NA	NA	NA	NA
46	a), c)	3	3	1	1	1	1	1	1	1	1	1	1	1
47	a)	NA	NA	3	NA	2	2	3	1	1	NA	NA	NA	NA
48	a), b), c)	3	4	NA	4	NA	4	NA	NA	2	NA	NA	NA	NA
49	b), c)	3	4	NA	NA	2	3	3	NA	3	NA	NA	NA	3
50	a)	NA	3	NA	NA	NA	3	2	3	NA	NA	NA	NA	NA
51	c)	2	4	NA	3	4	2	2	NA	4	NA	NA	NA	NA
52	a), b), c), d)	3	3	NA	NA	NA	2	4	NA	NA	NA	NA	NA	NA
53	a)	2	1	NA	NA	NA	NA	NA	1	2	NA	NA	NA	NA
54	a)	NA	2	NA	NA	NA	NA	NA	NA	4	NA	3	NA	NA
55	a)	1	0	0	0	0	4	2	2	4	1	3	0	0
56	a)	4	4	2	2	2	4	1	2	2	2	2	2	2
57	a), c)	0	0	0	NA	0	1	1	1	1	NA	NA	NA	NA
58	a)	2	0	0	0	0	1	1	1	1	0	1	0	0
59	a), b), c)	1	0	NA	1	NA	1	NA						
60	a), c)	3	3	NA	NA	NA	NA	NA	NA	3	NA	NA	NA	NA
61	a), b), c)	2	2	2	1	2	2	2	0	2	1	2	1	1
62	a)	2	2	3	2	2	3	3	2	2	3	2	2	2
63	a), b)	1	1	1	NA									
64	a), b), c), d)	1	3	NA	NA	NA	3	3	NA	NA	NA	NA	3	NA
65	a), b)	2	1	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	1
66	a), c)	1	3	3	NA	2	NA	2	NA	NA	NA	0	NA	NA
67	a), d)	4	4	NA	NA	NA	4	4	NA	NA	NA	NA	4	NA
68	c), d)	1	0	NA	NA	NA	NA	NA	NA	1	NA	NA	NA	NA
69	c), d)	4	4	1	0	1	0	4	0	0	0	1	0	0
70	d)	3	2	NA	NA	NA	3	NA	NA	3	NA	NA	NA	NA
71	c), d)	1	1	NA	NA	0	0	NA	0	0	NA	NA	NA	NA
72	a), b), c)	1	0	0	0	0	1	3	0	2	0	3	0	0
73	a), b)	1	0	2	0	1	1	2	0	2	1	0	0	0
74	a), d)	4	4	0	0	3	3	3	0	4	0	0	0	0
75	a)	1	1	2	2	2	1	1	0	1	2	1	2	2
76	d)	1	0	NA	NA	NA	NA	NA	NA	2	NA	1	NA	NA
77	a)	NA	3	NA	NA	0	NA	2	NA	NA	NA	NA	NA	NA
78	a), b), c)	2	0	0	3	0	3	0	0	3	0	0	3	3
79	b)	2	3	3	NA	NA	2	4	3	NA	1	2	2	NA
80	b), c), d)	1	1	1	1	1	1	1	1	1	NA	1	NA	NA
81	a), c)	4	4	NA	NA	NA	4	4	NA	3	NA	2	NA	NA
82	d)	3	4	2	1	1	3	2	0	4	1	0	3	1
83	b)	4	3	1	NA	1	4	3	3	NA	NA	NA	NA	NA
84	a), b), c)	3	3	NA	NA	NA	NA	NA	2	3	NA	2	NA	NA
85	b)	3	1	1	1	1	3	3	1	1	1	3	2	1
86	a), b)	1	2	NA	NA	NA	2	2	NA	NA	NA	NA	NA	NA
87	c), d)	NA	2	NA	NA	2	4	NA	2	4	NA	3	2	NA
88	a), b)	4	4	NA	NA	NA	4	4	NA	2	NA	4	3	NA

89	a)	4	4	NA	NA	4	4	4	NA	4	NA	4	NA	NA
90	b), c)	4	NA	NA	NA	NA	NA	NA	3	4	NA	4	NA	NA
91	a), b)	3	3	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA
92	b)	3	4	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA
93	b), d)	4	4	NA	NA	NA	4	2	NA	NA	NA	NA	3	NA
94	a), b), c), d)	0	1	0	NA	1	0	NA	NA	2	NA	NA	0	NA
95	a)	4	4	NA	NA	NA	NA	1	2	NA	NA	NA	NA	3
96	c)	3	2	NA	NA	NA	NA	NA	NA	4	NA	NA	NA	NA
97	a)	1	1	0	0	0	2	2	1	0	0	0	0	2
98	b), c)	4	4	NA	1	NA	4	3	2	2	NA	NA	NA	NA
99	a)	4	4	NA	0	1	4	4	NA	NA	NA	NA	NA	1
100	a), b)	4	4	NA	NA	NA	NA	4	NA	NA	NA	NA	NA	NA
101	b), c)	2	1	NA	NA	NA	2	2	NA	1	NA	NA	NA	NA
102	b)	2	2	NA	NA	NA	1	NA	1	NA	NA	NA	NA	NA
103	a)	1	1	NA										
104	a), b), c), d)	4	4	NA	NA	NA	4	NA						
105	a), b), c)	NA	1	NA	2	NA	2	NA						
106	a)	NA	NA	2	NA									
107	a)	4	4	NA	NA	4	4	4	NA	4	NA	4	NA	4
108	a)	2	NA											
109	a), b)	4	4	4	NA	NA	4	4	4	4	NA	NA	NA	NA
110	a), b), c)	4	4	NA	NA	NA	NA	3	NA	3	NA	2	1	NA
111	b), c)	2	2	NA	NA	NA	NA	4	2	NA	NA	NA	NA	NA
112	a), b), c)	1	1	NA	NA	NA	NA	4	NA	4	NA	3	NA	NA
113	a), b), d)	1	2	NA	NA	NA	NA	2	2	2	NA	NA	0	NA
114	b)	4	3	3	4	4	4	3	3	2	2	2	2	2
115	a), b)	1	1	0	0	0	0	0	0	2	0	1	0	0
116	b), d)	1	1	1	NA	1	1	0	0	0	1	0	0	0
117	a), b), c), d)	3	1	NA	NA	NA	NA	NA	NA	3	NA	NA	NA	NA
118	a)	3	4	NA	NA	NA	4	NA						
119	a)	1	4	NA	4	NA	3	3	NA	NA	NA	NA	NA	3
120	a), b), c)	3	NA	4	3	NA	NA	NA						
121	b)	1	1	NA	0	1	1	NA	NA	NA	NA	NA	0	NA
122	b)	4	NA	4	NA	NA	NA	3	NA	NA	NA	NA	NA	NA
123	a), b)	4	4	NA	NA	NA	4	2	NA	NA	NA	NA	NA	NA
124	b), c)	2	2	NA	NA	NA	3	NA						
125	a), d)	4	4	NA	NA	NA	NA	NA	NA	4	NA	4	NA	NA
126	a)	4	NA	NA	NA	NA	NA	NA	4	3	NA	4	NA	NA
127	a), b)	1	2	NA	NA	NA	NA	NA	NA	1	NA	NA	2	NA
128	a)	1	1	NA										
129	b), c)	2	4	NA	4	2	4	4	3	4	NA	NA	NA	NA
130	a)	1	NA	NA	NA	NA	2	2	NA	NA	NA	0	1	NA
131	a), d)	4	4	4	2	2	4	4	4	4	2	2	2	2
132	a), b), c)	4	3	NA	NA	NA	NA	3	NA	3	NA	NA	NA	NA
133	b), c)	1	1	NA	NA	1	NA	0	NA	NA	NA	NA	1	1
134	b), c)	2	2	0	4	0	3	3	3	4	NA	2	3	NA
135	a)	2	NA	NA	NA	NA	2	2	NA	NA	NA	NA	NA	NA
136	a)	4	4	NA	4	NA	NA	2	NA	4	NA	NA	NA	NA
137	b), c)	2	2	NA	0	NA	2	3	NA	3	0	3	0	NA
138	c)	NA	1	1	NA	1	1	1	NA	NA	NA	NA	NA	NA
139	a)	2	4	NA	4	NA	2	2	NA	4	NA	NA	NA	NA
140	b), c)	4	3	0	4	1	4	0	0	3	0	1	4	0
141	a)	4	4	NA	NA	NA	NA	NA	NA	2	NA	NA	NA	NA
142	a), b)	2	2	2	2	2	2	2	2	2	2	2	2	2
143	a)	2	2	NA	NA	2	2	2	NA	2	NA	NA	NA	NA
144	a)	2	2	NA	NA	2	2	2	NA	2	NA	NA	NA	NA
145	a)	3	3	NA	NA	3	3	2	NA	NA	NA	2	NA	NA
146	a), b)	NA	4	4	NA	NA	NA	NA	NA	4	NA	NA	NA	NA
147	a), b), c)	2	2	NA	3	NA	NA							
148	a)	NA	NA	NA	NA	NA	1	NA						
149	d)	2	2	0	1	1	0	1	1	2	NA	0	0	0
150	b)	NA	4	NA	NA	NA	NA	NA						
151	a)	1	2	NA	NA	NA	1	1	NA	4	NA	NA	4	NA
152	a), b)	NA	NA	NA	NA	NA	0	0	NA	0	NA	NA	NA	NA

153	a), b)	4	1	NA	NA	NA	1	NA	1	NA	NA	NA	NA	NA
154	a)	2	2	NA	NA	1	1	1	NA	NA	NA	NA	NA	2
155	a)	2	2	NA	NA	NA	2	NA	NA	2	NA	2	NA	NA
156	b), c)	2	3	NA	NA	0	3	1	NA	0	NA	0	NA	3
157	a)	3	4	4	NA	NA	4	4	1	NA	NA	3	NA	NA
158	a), b), c)	4	4	NA	NA	NA	4	NA						
159	a)	2	2	1	2	2	1	4	NA	1	NA	NA	NA	NA
160	c), d)	1	1	NA	0	NA	2	2	1	2	0	2	1	1
161	a), c)	4	NA	NA	NA	NA	NA	NA	4	NA	NA	NA	NA	NA
162	b)	4	3	1	1	1	NA	4	NA	4	1	NA	1	1
163	a)	NA	1	NA	NA	NA	1	NA	2	0	NA	0	NA	1
164	c)	3	4	NA	NA	NA	NA	NA	NA	4	NA	3	NA	NA
165	b)	2	NA	NA	NA	NA	NA	NA	4	0	NA	3	NA	NA
166	a), c)	4	4	NA	NA	NA	NA	NA	NA	4	NA	NA	NA	NA
167	a)	2	4	NA	NA	4	2	NA						
168	a)	2	2	2	1	2	2	1	0	0	1	0	2	0
169	b)	4	4	4	1	4	4	4	1	1	1	1	1	1
170	a), b)	NA	4	NA	NA	NA	4	3	NA	NA	NA	NA	NA	NA
171	a), d)	4	4	NA	NA	NA	NA	4	NA	1	NA	0	0	NA
172	a)	3	2	NA	NA	NA	3	NA	NA	4	NA	NA	NA	4
173	b)	3	3	0	0	3	3	0	0	0	0	0	3	3
174	a)	3	3	3	NA	4	4	1	NA	NA	NA	NA	NA	NA
175	a), d)	3	3	3	NA	1	NA	NA	NA	3	NA	NA	1	NA
176	b)	1	1	1	0	0	1	1	0	1	0	0	0	1
177	a)	3	0	NA	NA	NA	4	4	NA	4	NA	2	3	NA
178	a), b)	4	4	NA										
179	a), b)	NA	2	NA	NA	NA	NA	NA						
180	a), d)	0	NA	NA	NA	0	NA							
181	a)	4	NA	NA	NA	NA	2	0	NA	NA	NA	NA	1	NA
182	a), c)	3	4	2	NA	3	4	4	3	3	NA	NA	NA	NA
183	a)	1	2	2	1	1	NA	1	NA	NA	NA	NA	NA	NA
184	a)	2	2	1	2	2	1	4	NA	1	NA	NA	NA	NA
185	a)	3	NA	NA	NA	NA	NA	NA	4	3	NA	NA	NA	NA
186	a), d)	2	2	NA	NA	NA	2	NA	NA	2	NA	NA	2	2
187	a)	2	NA	NA	NA	NA	3	3	3	4	NA	NA	NA	NA
188	a)	NA	1	NA	2	NA	NA	NA						
189	a)	1	1	NA	0	NA	NA	1	2	1	NA	NA	NA	NA
190	a), b)	4	2	NA	NA	0	4	4	NA	NA	NA	4	NA	0
191	a), b)	3	4	0	NA	3	4	0	4	3	NA	3	NA	NA
192	a), b), c)	0	NA	1	NA	NA	NA	NA						
193	b)	0	0	NA	NA	NA	0	NA						
194	a)	3	4	NA	NA	NA	NA	NA	3	NA	NA	4	NA	NA
195	a), b)	0	0	NA	NA	NA	NA	1	1	NA	NA	NA	NA	NA
196	a), b)	2	2	NA	NA	NA	NA	NA	NA	4	1	NA	NA	NA
197	a)	1	1	NA	NA	NA	NA	1	1	NA	NA	NA	NA	NA
198	a), b)	NA	1	NA	NA	NA	NA							
199	a)	4	4	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	1
200	a)	3	1	NA	NA	NA	NA	4	2	NA	NA	NA	NA	NA
201	a)	2	4	NA	3	NA	NA	3	3	NA	NA	NA	NA	NA
202	a)	NA	2	NA	3	NA	NA							
203	a), b), c)	2	2	NA	NA	NA	NA	NA	NA	4	NA	4	NA	NA
204	a)	3	4	2	2	2	NA	3	2	NA	2	NA	2	2
205	b), c)	3	2	NA	2	2	3	2	2	2	NA	NA	NA	NA
206	a)	2	NA	NA	NA	NA	NA	NA	2	2	NA	NA	NA	NA
207	a)	1	1	NA	NA	NA	1	1	1	NA	NA	NA	0	NA
208	b), c), d)	4	4	NA	NA	NA	4	4	NA	NA	NA	4	NA	NA
209	a)	2	2	NA	NA	1	NA	NA	2	NA	NA	NA	NA	NA
210	a)	4	NA	NA	NA	NA	NA	NA	4	4	NA	NA	NA	NA
211	a)	NA	NA	NA	NA	NA	2	4	NA	NA	0	NA	NA	NA
212	a)	3	4	3	NA	3	3	3	NA	NA	NA	3	NA	NA
213	b)	4	4	1	1	4	2	1	NA	1	NA	1	1	1
214	a)	2	2	NA	NA	NA	NA	0	NA	2	NA	1	NA	NA
215	a)	2	3	NA	NA	3	3	3	NA	3	NA	1	NA	0
216	b), c)	4	4	NA	NA	NA	3	NA	NA	NA	NA	4	4	4

217	a), b)	4	4	NA									
218	a), b), c)	2	2	0	0	2	2	1	1	1	0	0	0
219	b), c)	1	1	0	NA	1	1	1	NA	1	NA	NA	1
220	a)	1	1	NA	2	NA	2	NA	NA	NA	NA	NA	NA

Sr. No.	Q. 13	Q. 14					Q. 15			Q. 16		Q. 17	
		a)	b)	c)	d)	e)				a)	b)	c)	
1	i)	4	NA	4	NA	NA	a)	c)	Yes	Yes	NA		
2	g)	4	NA	4	NA	NA	c)	c)	Yes	Yes	NA		
3	g)	4	NA	4	NA	NA	a)	c)	Yes	No	NA		
4	g)	4	NA	4	NA	NA	c)	c)	Yes	Yes	NA		
5	f)	4	NA	3	NA	NA	c)	c)	Yes	No	NA		
6	g)	3	NA	4	NA	NA	b), c)	c)	No	No	NA		
7	f)	4	NA	4	NA	NA	c)	c)	No	No	NA		
8	f)	3	NA	3	NA	NA	c)	c)	Yes	No	NA		
9	i)	3	3	4	2	NA	b)	c)	No	No	NA		
10	f)	4	NA	3	NA	NA	c)	c)	No	No	NA		
11	g)	2	NA	2	NA	NA	b)	c)	No	No	No		
12	f)	1	NA	1	NA	NA	c)	c)	Yes	Yes	NA		
13	i)	2	NA	2	NA	NA	c)	c)	Yes	Yes	NA		
14	i)	4	NA	4	NA	NA	c)	c)	Yes	No	NA		
15	g)	1	4	1	NA	NA	b), c)	c)	Yes	Yes	NA		
16	h)	4	4	4	2	c)	c)	Yes	No	NA			
17	f)	2	NA	4	NA	NA	c)	c)	No	No	NA		
18	a)	4	NA	4	4	NA	b), c)	c)	Yes	No	NA		
19	b)	2	NA	2	NA	NA	c)	c)	Yes	No	NA		
20	g)	3	NA	4	NA	NA	b)	c)	Yes	Yes	NA		
21	f)	2	4	4	2	NA	c)	c)	Yes	Yes	NA		
22	f)	4	NA	4	4	NA	c)	c)	Yes	Yes	NA		
23	i)	1	NA	4	4	NA	a), c)	c)	Yes	No	NA		
24	a)	4	NA	4	NA	NA	a)	c)	No	No	NA		
25	i)	3	NA	4	NA	NA	a)	b)	No	No	Yes		
26	f)	2	NA	2	NA	NA	c)	c)	Yes	Yes	NA		
27	n) Anydesk	2	NA	2	NA	NA	c)	c)	No	No	NA		
28	n) None	0	0	0	0	0	c)	c)	Yes	Yes	NA		
29	f)	4	NA	4	NA	NA	c)	c)	Yes	No	NA		
30	i)	2	NA	2	NA	NA	b)	c)	Yes	No	NA		
31	i)	3	3	4	3	3	c)	c)	Yes	Yes	NA		
32	k)	NA	NA	2	NA	NA	a)	c)	No	No	NA		
33	f)	1	NA	2	NA	NA	c)	c)	Yes	Yes	NA		
34	i)	3	2	4	NA	NA	a)	c)	Yes	No	NA		
35	i)	2	0	NA	NA	NA	a)	c)	No	No	NA		
36	f)	3	NA	3	NA	NA	c)	c)	Yes	Yes	NA		
37	i)	NA	NA	4	NA	NA	c)	c)	Yes	Yes	NA		
38	i)	4	NA	4	2	3	a), c)	b)	NA	NA	Yes		
39	i)	1	0	1	1	0	a)	c)	Yes	Yes	NA		
40	f)	2	NA	4	NA	NA	b)	c)	Yes	No	NA		
41	f)	2	NA	2	NA	1	b), c)	c)	No	No	NA		
42	i)	1	NA	1	0	NA	c)	c)	Yes	Yes	NA		
43	f)	4	NA	NA	NA	NA	a), c)	c)	No	No	NA		
44	f)	2	NA	2	NA	NA	a), c)	c)	Yes	No	NA		
45	i)	1	NA	1	NA	NA	c)	b)	NA	NA	Yes		
46	a)	4	1	4	NA	NA	c)	c)	No	No	NA		
47	f)	NA	NA	3	NA	NA	c)	c)	Yes	Yes	NA		
48	f)	4	4	4	NA	NA	a), c)	c)	Yes	Yes	NA		
49	i)	3	NA	4	NA	NA	b)	c)	Yes	Yes	NA		
50	f)	3	NA	0	NA	NA	c)	c)	No	No	NA		
51	i)	2	NA	4	4	NA	b)	c)	No	No	NA		
52	g)	4	NA	4	NA	NA	b)	c)	Yes	No	NA		
53	i)	2	NA	2	NA	NA	a), c)	c)	Yes	Yes	NA		
54	i)	NA	NA	NA	4	NA	a), c)	c)	No	No	NA		

55	g)	0	3	4	0	NA	a), c)	c)	No	No	NA
56	f)	4	2	4	2	4	a)	c)	Yes	No	NA
57	i)	1	NA	1	1	NA	c)	c)	Yes	Yes	NA
58	k)	NA	NA	3	3	NA	a)	c)	Yes	Yes	NA
59	f)	1	NA	1	NA	NA	a), c)	c)	Yes	No	NA
60	b)	3	NA	2	NA	NA	b), c)	c)	No	Yes	NA
61	f)	2	1	2	1	0	c)	c)	Yes	No	NA
62	g)	4	3	4	4	3	a)	c)	Yes	No	NA
63	a)	1	NA	NA	NA	NA	c)	c)	Yes	No	NA
64	f)	3	NA	NA	2	NA	a)	c)	Yes	Yes	NA
65	i)	2	NA	2	NA	NA	c)	c)	Yes	No	NA
66	g)	2	NA	4	NA	NA	c)	c)	Yes	Yes	NA
67	f)	2	NA	4	NA	NA	a)	c)	Yes	No	NA
68	b)	1	NA	1	NA	NA	c)	c)	Yes	Yes	NA
69	g)	4	NA	4	NA	NA	a), c)	c)	Yes	No	NA
70	f)	3	NA	3	NA	NA	b), c)	c)	No	Yes	NA
71	f)	1	NA	1	NA	NA	c)	c)	Yes	No	NA
72	g)	0	0	3	0	NA	b)	c)	Yes	No	NA
73	g)	2	NA	NA	NA	NA	b)	a)	NA	NA	NA
74	i)	3	0	4	0	0	b), c)	c)	Yes	Yes	NA
75	g)	2	2	2	2	1	c)	c)	Yes	No	NA
76	i)	0	1	2	NA	NA	a)	c)	Yes	Yes	NA
77	j)	3	NA	NA	NA	NA	c)	c)	Yes	Yes	NA
78	n) Slack	0	NA	4	NA	NA	b)	c)	Yes	No	NA
79	g)	4	NA	4	NA	NA	b), c)	c)	Yes	Yes	NA
80	g)	1	NA	1	NA	1	c)	c)	Yes	Yes	NA
81	f)	4	NA	4	NA	NA	c)	c)	Yes	No	NA
82	f)	1	3	4	4	NA	c)	b)	NA	NA	Yes
83	f)	4	NA	4	3	NA	a), c)	c)	Yes	Yes	NA
84	i)	2	NA	3	NA	NA	b)	a)	NA	NA	NA
85	f)	2	NA	3	NA	NA	c)	c)	No	No	NA
86	f)	1	NA	2	NA	NA	a), c)	c)	Yes	Yes	NA
87	f)	3	NA	4	NA	NA	a), b)	c)	Yes	Yes	NA
88	f)	4	NA	4	NA	NA	b), c)	c)	Yes	Yes	NA
89	i)	4	NA	4	NA	NA	a)	c)	No	No	NA
90	k)	4	NA	NA	4	NA	a)	c)	No	No	NA
91	b)	4	NA	NA	NA	NA	c)	c)	Yes	No	NA
92	b)	2	NA	NA	NA	NA	c)	c)	Yes	No	NA
93	f)	1	NA	1	NA	NA	c)	c)	Yes	Yes	NA
94	i)	1	NA	2	0	NA	a)	c)	No	No	NA
95	a)	NA	NA	4	NA	NA	c)	c)	Yes	Yes	NA
96	i)	1	NA	4	NA	NA	c)	c)	No	No	NA
97	b)	1	2	2	2	2	c)	b)	NA	NA	No
98	a)	4	NA	4	NA	NA	c)	b)	NA	NA	Yes
99	g)	4	NA	1	NA	NA	c)	c)	Yes	Yes	NA
100	b)	4	NA	4	NA	NA	a)	a)	NA	NA	NA
101	g)	2	NA	3	NA	NA	c)	a)	NA	NA	NA
102	a)	2	NA	2	NA	NA	c)	c)	Yes	Yes	NA
103	a)	1	NA	NA	NA	NA	a)	c)	No	No	NA
104	a)	4	NA	NA	NA	NA	c)	c)	Yes	Yes	NA
105	d)	2	2	2	NA	NA	c)	c)	Yes	No	NA
106	c)	1	NA	2	NA	NA	c)	c)	Yes	No	NA
107	g)	4	NA	4	4	NA	a), c)	c)	No	Yes	NA
108	i)	2	NA	NA	NA	NA	c)	c)	No	No	NA
109	h)	4	4	4	4	4	a), c)	c)	No	No	NA
110	i)	4	NA	4	NA	NA	c)	c)	Yes	No	NA
111	g)	2	3	4	NA	NA	b)	c)	No	No	NA
112	g)	4	NA	4	NA	NA	b), c)	c)	Yes	No	NA
113	i)	2	NA	2	2	NA	b)	b)	NA	NA	Yes
114	f)	4	NA	4	4	NA	c)	c)	Yes	No	NA
115	i)	1	NA	2	0	0	c)	c)	No	No	NA
116	b)	1	NA	NA	1	NA	c)	c)	Yes	No	NA
117	h)	3	NA	3	NA	NA	c)	c)	Yes	Yes	NA
118	f)	4	NA	4	3	NA	a)	c)	Yes	Yes	NA

119	a)	1	NA	4	2	0	a)	c)	Yes	Yes	NA
120	h)	3	NA	4	0	NA	c)	c)	Yes	No	NA
121	b)	2	NA	1	0	0	c)	c)	Yes	Yes	NA
122	f)	3	NA	4	NA	NA	c)	c)	Yes	Yes	NA
123	f)	4	NA	4	NA	NA	c)	c)	No	No	NA
124	f)	NA	NA	4	NA	NA	a)	c)	No	No	NA
125	k)	4	NA	4	NA	NA	a), c)	c)	Yes	No	NA
126	k)	4	NA	4	4	NA	a), c)	c)	Yes	No	NA
127	k)	2	NA	2	2	NA	a), c)	b)	NA	NA	Yes
128	m)	1	NA	NA	NA	NA	c)	c)	Yes	Yes	NA
129	i)	4	NA	4	NA	NA	a)	c)	Yes	Yes	NA
130	f)	1	1	1	2	NA	b)	c)	No	No	NA
131	g)	4	NA	4	NA	NA	c)	c)	No	No	NA
132	b)	4	1	4	1	1	c)	c)	Yes	No	NA
133	b)	1	NA	1	1	NA	a), c)	c)	Yes	No	NA
134	i)	2	4	4	NA	NA	a), b)	c)	No	No	NA
135	f)	2	NA	NA	2	NA	c)	c)	Yes	Yes	NA
136	i)	4	NA	4	NA	NA	a), c)	c)	Yes	No	NA
137	i)	2	NA	3	3	NA	a), c)	c)	Yes	No	NA
138	f)	1	1	1	1	c)	c)	c)	Yes	No	NA
139	i)	4	NA	4	NA	NA	a)	c)	Yes	Yes	NA
140	d)	4	0	4	0	3	c)	c)	Yes	Yes	NA
141	b)	4	NA	4	NA	NA	b), c)	c)	No	No	NA
142	g)	2	2	2	2	2	c)	c)	Yes	No	NA
143	i)	2	NA	2	NA	NA	a), c)	c)	No	No	NA
144	i)	2	NA	2	NA	NA	a), c)	c)	No	No	NA
145	f)	2	NA	4	NA	NA	b)	c)	No	No	NA
146	i)	4	NA	4	NA	NA	a)	c)	No	No	NA
147	k)	1	NA	3	NA	NA	c)	c)	Yes	Yes	NA
148	f)	1	NA	1	NA	NA	c)	c)	No	No	NA
149	i)	2	NA	2	2	0	a)	c)	Yes	No	NA
150	h)	NA	NA	NA	4	NA	a)	c)	No	No	NA
151	i)	4	NA	4	NA	NA	b)	c)	Yes	No	NA
152	i)	0	NA	0	NA	NA	c)	c)	Yes	Yes	NA
153	a)	3	NA	3	NA	NA	c)	c)	Yes	Yes	NA
154	a)	2	0	2	0	0	c)	c)	Yes	Yes	NA
155	i)	2	2	2	NA	NA	c)	c)	Yes	Yes	NA
156	m)	3	NA	4	3	NA	a)	c)	Yes	No	NA
157	g)	4	NA	4	NA	NA	c)	c)	No	No	NA
158	f)	4	NA	4	NA	NA	c)	c)	Yes	No	NA
159	g)	2	NA	2	3	3	b)	c)	Yes	Yes	NA
160	i)	1	2	2	1	0	a)	b)	NA	NA	Yes
161	h)	4	NA	4	NA	NA	c)	c)	Yes	No	NA
162	g)	2	2	2	NA	NA	b), c)	c)	No	No	NA
163	h)	1	NA	2	NA	NA	b)	c)	Yes	Yes	NA
164	i)	3	NA	4	NA	NA	c)	c)	No	No	NA
165	h)	4	NA	4	NA	NA	c)	c)	No	No	NA
166	i)	4	NA	NA	4	NA	c)	c)	Yes	Yes	NA
167	f)	4	NA	NA	4	NA	b)	c)	No	No	NA
168	l)	1	2	2	2	2	c)	c)	Yes	Yes	NA
169	b)	2	2	2	2	2	a)	c)	No	No	NA
170	f)	4	NA	NA	NA	NA	c)	c)	Yes	Yes	NA
171	i)	4	0	4	NA	NA	c)	c)	Yes	Yes	NA
172	i)	3	NA	3	NA	NA	a)	b)	NA	NA	Yes
173	b)	3	3	3	3	3	c)	c)	No	No	NA
174	f)	3	NA	3	NA	NA	c)	c)	Yes	Yes	NA
175	i)	3	NA	3	NA	3	b), c)	c)	No	No	NA
176	f)	1	0	1	1	0	a), c)	c)	No	No	NA
177	a)	2	0	4	0	0	c)	c)	Yes	No	NA
178	a)	4	NA	NA	NA	NA	a), b), c)	c)	Yes	Yes	NA
179	g)	1	NA	NA	NA	NA	b)	c)	Yes	No	NA
180	b)	1	NA	NA	NA	0	c)	c)	Yes	No	NA
181	a)	4	NA	4	2	NA	a), c)	c)	Yes	Yes	NA
182	f)	4	NA	4	NA	NA	c)	c)	Yes	No	NA

183	b)	2	NA	1	1	NA	c)	c)	No	No	NA
184	g)	2	NA	2	3	3	b)	c)	Yes	Yes	NA
185	i)	NA	NA	4	NA	NA	a)	c)	Yes	Yes	NA
186	f)	2	NA	2	NA	NA	a)	a)	NA	NA	NA
187	i)	3	NA	4	NA	NA	a)	c)	No	No	NA
188	i)	2	NA	2	NA	NA	c)	c)	No	No	NA
189	h)	1	NA	2	0	NA	c)	c)	Yes	Yes	NA
190	a)	2	NA	2	NA	NA	c)	c)	Yes	No	NA
191	f)	4	0	4	3	NA	b)	c)	Yes	Yes	NA
192	i)	1	NA	1	NA	NA	b)	c)	No	No	NA
193	b)	1	NA	NA	NA	NA	a)	a)	NA	NA	NA
194	k)	NA	NA	4	2	NA	a), c)	c)	No	No	NA
195	g)	0	1	1	NA	NA	b)	c)	Yes	Yes	NA
196	i)	3	NA	4	NA	NA	a)	c)	No	No	NA
197	h)	1	NA	1	NA	NA	b)	c)	Yes	No	NA
198	i)	1	NA	NA	NA	NA	a)	c)	Yes	No	NA
199	h)	4	NA	4	NA	NA	b)	c)	Yes	Yes	NA
200	g)	2	1	4	4	1	a), c)	c)	Yes	No	NA
201	h)	3	NA	NA	4	NA	b)	b)	NA	NA	Yes
202	k)	3	NA	3	NA	NA	c)	c)	No	No	NA
203	i)	2	NA	4	NA	NA	a), c)	c)	Yes	Yes	NA
204	b)	4	NA	4	NA	NA	b)	c)	NA	NA	NA
205	f)	4	NA	4	NA	NA	c)	c)	Yes	Yes	NA
206	i)	2	1	NA	1	NA	c)	c)	No	No	NA
207	a)	1	NA	1	NA	NA	c)	c)	Yes	No	NA
208	g)	4	NA	4	4	NA	b), c)	c)	No	No	NA
209	h)	2	NA	2	2	NA	a), c)	c)	No	No	NA
210	n)	4	NA	4	NA	NA	a), b)	c)	Yes	No	NA
211	f)	2	NA	4	NA	1	a)	c)	No	No	NA
212	a)	4	NA	4	3	NA	c)	c)	No	No	NA
213	a)	4	4	4	4	c)	c)	Yes	No	NA	
214	i)	2	NA	1	0	NA	c)	c)	Yes	Yes	NA
215	f)	4	1	4	NA	0	a), c)	c)	Yes	No	NA
216	a)	4	NA	4	4	NA	b), c)	c)	Yes	No	NA
217	a)	4	NA	NA	NA	NA	a), b), c)	c)	No	Yes	NA
218	f)	2	0	2	0	0	a)	c)	Yes	Yes	NA
219	b)	1	1	1	NA	NA	c)	c)	No	No	NA
220	g)	3	NA	2	4	NA	a)	c)	Yes	Yes	NA

Sr. No.	Q. 18			Q. 19						Q. 22	
	a)	b)	c)	a)	b)	c)	d)	e)	f)		
1	NA	NA	Insufficient	4	4	4	4	3	4	2	
2	NA	NA	Insufficient	4	4	4	4	4	4	2	
3	NA	NA	Insufficient	NA	NA	0	0	NA	NA	2	
4	NA	NA	Insufficient	4	4	4	4	4	4	2	
5	NA	NA	Insufficient	NA	1	1	2	1	NA	2	
6	NA	Sufficient	Insufficient	2	2	NA	1	1	0	2	
7	NA	NA	Sufficient	1	2	4	3	1	1	3	
8	NA	NA	Insufficient	NA	3	4	4	0	1	4	
9	Sufficient	Sufficient	Insufficient	3	3	1	4	3	3	3	
10	NA	NA	Insufficient	NA	NA	NA	NA	0	0	2	
11	NA	Sufficient	Sufficient	0	0	NA	NA	NA	NA	0	
12	Sufficient	Sufficient	Insufficient	4	4	4	4	4	4	4	
13	NA	NA	Sufficient	1	0	2	2	1	1	4	
14	NA	NA	Insufficient	2	2	2	3	2	2	3	
15	NA	Sufficient	Insufficient	1	3	4	4	2	4	4	
16	NA	NA	Sufficient	3	4	2	2	1	1	2	
17	NA	NA	Insufficient	NA	1	4	4	2	3	4	
18	Sufficient	Sufficient	Sufficient	NA	2	2	2	3	3	2	
19	NA	NA	Insufficient	2	2	0	1	2	NA	2	
20	NA	Sufficient	NA	4	4	4	4	3	3	3	

21	NA	NA	Insufficient	4	4	4	4	4	4	4
22	NA	NA	Sufficient	4	4	3	4	2	2	0
23	Sufficient	NA	Insufficient	3	3	2	3	3	4	2
24	Sufficient	NA	NA	NA	NA	2	2	4	NA	4
25	Insufficient	NA	NA	4	4	4	4	3	3	0
26	NA	NA	Sufficient	NA	NA	NA	1	1	2	4
27	NA	NA	Sufficient	NA	NA	1	1	2	2	2
28	Insufficient	Insufficient	Insufficient	0	0	0	0	0	0	2
29	NA	NA	Sufficient	NA	0	NA	2	NA	NA	0
30	NA	Insufficient	NA	3	1	2	2	1	2	0
31	NA	NA	Insufficient	0	1	2	2	2	1	2
32	Sufficient	NA	NA	NA	NA	NA	0	1	0	2
33	NA	NA	Sufficient	2	NA	2	2	1	1	4
34	Sufficient	NA	NA	4	3	2	1	1	1	0
35	Sufficient	NA	Insufficient	4	4	4	NA	3	4	4
36	NA	NA	Insufficient	3	3	3	4	2	2	2
37	NA	NA	Sufficient	NA	2	3	3	2	0	4
38	Sufficient	NA	Insufficient	0	2	3	3	4	3	3
39	Sufficient	NA	NA	1	0	0	0	0	0	4
40	NA	Sufficient	Insufficient	3	2	0	NA	0	NA	2
41	NA	Sufficient	Sufficient	0	0	1	1	1	NA	2
42	NA	NA	Sufficient	3	4	2	3	1	1	4
43	Sufficient	NA	Insufficient	1	NA	NA	1	4	1	4
44	Sufficient	NA	Insufficient	0	2	2	2	1	NA	1
45	NA	Sufficient	NA	4	4	4	4	4	4	4
46	NA	NA	Insufficient	2	NA	2	NA	NA	NA	0
47	NA	NA	Sufficient	0	0	3	4	2	2	3
48	Insufficient	NA	Sufficient	1	NA	1	2	3	1	0
49	NA	Sufficient	Insufficient	0	1	2	0	2	NA	4
50	NA	NA	Insufficient	1	2	1	1	NA	NA	4
51	NA	Sufficient	NA	4	4	4	4	4	2	0
52	NA	Sufficient	Sufficient	4	0	2	0	0	NA	3
53	Sufficient	NA	Sufficient	0	1	2	2	2	2	4
54	Sufficient	NA	Insufficient	3	0	2	2	2	2	2
55	Sufficient	NA	Insufficient	3	4	3	4	4	4	2
56	Insufficient	NA	Insufficient	4	4	4	4	4	4	4
57	Sufficient	NA	Insufficient	4	4	4	4	4	4	4
58	Insufficient	NA	NA	3	4	3	4	2	4	2
59	NA	NA	Sufficient	NA	0	1	1	NA	NA	0
60	NA	Sufficient	Sufficient	NA	NA	1	1	1	3	4
61	NA	NA	Insufficient	2	2	0	1	2	2	3
62	Sufficient	NA	NA	4	4	4	4	3	4	2
63	NA	NA	Sufficient	0	0	1	1	NA	NA	0
64	Sufficient	NA	NA	4	2	3	1	1	NA	4
65	NA	NA	Sufficient	NA	1	1	0	NA	1	3
66	NA	NA	Sufficient	4	4	4	4	4	4	3
67	Sufficient	NA	NA	NA	1	2	2	3	3	3
68	NA	NA	Sufficient	NA	2	1	2	NA	0	2
69	Insufficient	NA	Sufficient	NA	2	4	4	4	1	4
70	NA	Sufficient	Insufficient	4	4	4	4	3	2	3
71	NA	NA	Insufficient	1	1	1	1	1	1	3
72	NA	Sufficient	NA	4	2	2	2	2	2	0
73	NA	Sufficient	NA	NA	2	2	2	2	2	1
74	NA	Sufficient	Sufficient	0	1	3	3	3	2	2
75	NA	NA	Sufficient	4	4	4	3	2	3	2
76	Insufficient	NA	NA	2	2	2	2	0	0	3
77	NA	NA	Sufficient	0	1	4	3	1	1	2
78	NA	Sufficient	NA	2	3	3	4	4	4	3
79	Insufficient	Sufficient	Sufficient	4	4	4	3	4	3	2
80	Sufficient	NA	Sufficient	0	1	1	1	0	0	2
81	NA	NA	Sufficient	2	2	2	3	NA	NA	4
82	NA	NA	Insufficient	3	3	4	4	3	3	3
83	Sufficient	Insufficient	Insufficient	2	1	2	3	1	0	4
84	Sufficient	Sufficient	Insufficient	3	2	1	1	2	1	0

85	NA	NA	Insufficient	4	2	3	3	3	2	0
86	Insufficient	NA	Insufficient	4	NA	NA	4	1	NA	2
87	Sufficient	Sufficient	Insufficient	NA	0	3	NA	2	NA	4
88	NA	Sufficient	Sufficient	2	NA	1	2	1	1	3
89	Sufficient	NA	NA	0	2	1	0	2	0	4
90	Sufficient	NA	NA	NA	NA	NA	NA	2	NA	2
91	NA	NA	Sufficient	NA	1	NA	NA	2	2	1
92	NA	NA	Sufficient	NA	NA	NA	2	2	2	2
93	NA	NA	Sufficient	4	4	4	4	4	4	4
94	Sufficient	NA	NA	3	3	1	4	2	4	4
95	NA	NA	Insufficient	4	4	4	4	NA	1	3
96	NA	NA	Sufficient	2	2	2	2	2	2	1
97	NA	NA	Sufficient	NA	1	1	1	1	1	4
98	NA	NA	Sufficient	0	0	4	4	2	3	2
99	NA	NA	Sufficient	NA	NA	1	1	0	0	0
100	NA	NA	Sufficient	NA	NA	4	4	NA	NA	2
101	NA	NA	Insufficient	2	1	1	1	3	4	4
102	NA	NA	Sufficient	2	2	1	2	1	1	2
103	Sufficient	NA	NA	0	0	0	0	0	0	4
104	NA	NA	Sufficient	NA	1	1	1	0	0	3
105	NA	NA	Insufficient	1	1	1	1	0	0	4
106	NA	NA	Sufficient	NA	0	1	1	1	NA	0
107	Sufficient	NA	Sufficient	0	0	0	0	4	0	4
108	NA	NA	Sufficient	2	NA	NA	NA	NA	NA	4
109	Sufficient	NA	Sufficient	NA	NA	0	0	1	0	0
110	NA	NA	Sufficient	NA	0	NA	NA	NA	0	4
111	NA	Sufficient	NA	4	3	4	4	2	2	1
112	NA	Sufficient	Sufficient	1	0	NA	1	1	1	2
113	NA	Sufficient	NA	2	NA	2	2	2	1	0
114	NA	NA	Sufficient	NA	NA	NA	NA	4	2	4
115	NA	NA	Sufficient	1	0	1	1	1	1	2
116	NA	NA	Sufficient	NA	NA	NA	1	NA	NA	4
117	NA	NA	Sufficient	2	0	1	1	1	1	2
118	Insufficient	NA	NA	3	4	4	3	1	NA	3
119	Sufficient	NA	NA	4	NA	NA	2	NA	NA	4
120	NA	NA	Insufficient	0	0	2	2	0	0	0
121	NA	NA	Sufficient	2	2	1	1	1	1	2
122	NA	NA	Insufficient	4	4	3	4	2	2	3
123	NA	NA	Insufficient	1	2	NA	NA	0	NA	4
124	Sufficient	NA	NA	1	0	0	0	0	0	2
125	Sufficient	NA	Sufficient	1	1	1	3	0	NA	2
126	Sufficient	NA	Insufficient	3	3	3	4	NA	NA	2
127	Sufficient	NA	Insufficient	2	2	2	2	0	2	4
128	NA	NA	Sufficient	NA	NA	NA	1	NA	NA	2
129	Sufficient	NA	NA	4	4	4	3	2	2	0
130	NA	Sufficient	NA	2	2	0	0	1	1	0
131	NA	NA	NA	0	0	0	1	3	4	4
132	NA	NA	Sufficient	NA	0	1	NA	NA	NA	3
133	Sufficient	NA	Insufficient	1	1	1	1	1	NA	2
134	Insufficient	NA	NA	NA	0	2	4	2	1	3
135	NA	NA	Sufficient	1	2	1	1	NA	NA	3
136	Insufficient	NA	Insufficient	4	1	4	4	3	2	4
137	Sufficient	NA	Insufficient	4	3	3	3	2	3	2
138	NA	NA	Sufficient	1	1	1	0	0	0	3
139	Sufficient	NA	NA	4	4	4	4	4	4	4
140	NA	NA	Insufficient	4	0	4	4	3	3	3
141	NA	Sufficient	Sufficient	2	2	1	2	4	2	3
142	NA	NA	Insufficient	2	2	2	2	2	2	3
143	Sufficient	NA	Sufficient	NA	NA	1	1	1	NA	0
144	Sufficient	NA	Sufficient	NA	NA	1	1	1	NA	0
145	NA	Sufficient	NA	4	3	4	4	2	3	3
146	Sufficient	NA	NA	NA	NA	NA	NA	NA	NA	0
147	NA	NA	Sufficient	4	4	3	3	3	2	3
148	NA	NA	Sufficient	NA	NA	NA	1	NA	NA	4

149	Sufficient	NA	NA	1	1	0	0	1	0	4
150	Sufficient	NA	NA	NA	NA	NA	NA	NA	NA	4
151	NA	Sufficient	NA	2	4	4	0	0	0	4
152	NA	NA	Insufficient	0	1	1	1	1	1	4
153	NA	NA	Insufficient	0	0	2	4	4	2	2
154	NA	NA	Sufficient	0	2	2	2	1	0	3
155	NA	NA	Sufficient	0	0	0	0	0	0	1
156	Insufficient	NA	NA	NA	3	3	3	2	NA	3
157	NA	NA	Sufficient	NA	1	NA	2	NA	NA	4
158	NA	NA	Sufficient	NA	4	4	4	4	4	4
159	NA	Sufficient	NA	3	2	0	0	NA	2	3
160	Sufficient	NA	NA	0	1	2	2	1	0	0
161	NA	NA	Insufficient	NA	NA	NA	4	3	4	3
162	NA	Insufficient	Insufficient	0	3	4	4	1	NA	3
163	NA	Sufficient	NA	1	0	2	0	1	1	2
164	NA	NA	Sufficient	NA	1	3	4	0	0	0
165	NA	NA	Insufficient	3	4	4	4	4	4	0
166	NA	NA	Sufficient	0	1	1	1	0	0	3
167	NA	Sufficient	NA	NA	0	NA	NA	NA	NA	4
168	NA	NA	Insufficient	1	1	1	1	2	2	2
169	Sufficient	NA	NA	2	2	0	0	0	2	2
170	NA	NA	Insufficient	1	4	0	4	NA	2	4
171	NA	NA	Sufficient	2	1	2	1	2	2	0
172	Sufficient	NA	NA	1	2	2	3	1	3	2
173	NA	NA	Insufficient	1	2	1	2	3	1	2
174	NA	NA	Insufficient	NA	3	3	3	3	3	4
175	NA	Sufficient	Sufficient	NA	NA	1	1	0	3	1
176	Sufficient	NA	Insufficient	1	0	1	0	0	0	3
177	NA	NA	Insufficient	2	3	4	4	1	2	3
178	Sufficient	Sufficient	Sufficient	0	1	1	0	NA	NA	3
179	NA	Insufficient	NA	2	2	2	2	2	2	2
180	NA	NA	Insufficient	NA	NA	NA	0	0	0	2
181	Insufficient	NA	Insufficient	1	1	3	3	0	NA	1
182	NA	NA	Sufficient	3	4	2	3	4	1	3
183	NA	NA	Insufficient	NA	NA	0	1	1	1	2
184	NA	Sufficient	NA	3	2	0	0	NA	2	3
185	Sufficient	NA	NA	4	2	3	2	2	2	2
186	Sufficient	NA	NA	2	NA	2	2	0	NA	2
187	Sufficient	NA	NA	4	3	0	0	4	4	2
188	NA	NA	Sufficient	4	2	3	3	NA	NA	4
189	NA	NA	Insufficient	NA	1	1	2	2	NA	3
190	NA	NA	Insufficient	0	1	2	1	0	NA	1
191	NA	Sufficient	NA	4	1	2	4	2	4	3
192	NA	Sufficient	NA	0	NA	NA	NA	NA	NA	3
193	Sufficient	NA	NA	NA	NA	NA	NA	NA	NA	0
194	Sufficient	NA	Sufficient	2	1	0	1	NA	NA	2
195	NA	Sufficient	Insufficient	1	1	1	1	1	1	4
196	Sufficient	NA	NA	1	0	1	1	1	0	2
197	NA	Insufficient	NA	1	1	1	0	0	0	3
198	Sufficient	NA	NA	1	1	1	1	NA	0	3
199	NA	Sufficient	NA	4	3	3	3	1	NA	0
200	Sufficient	NA	Insufficient	3	1	NA	2	NA	NA	4
201	NA	Insufficient	NA	NA	3	3	3	1	2	4
202	NA	NA	Insufficient	3	1	2	2	1	NA	1
203	Insufficient	NA	Insufficient	4	4	4	4	1	1	4
204	NA	Sufficient	NA	3	3	2	2	2	1	2
205	NA	NA	Insufficient	NA	1	1	1	1	2	2
206	NA	NA	Sufficient	1	1	NA	1	NA	NA	0
207	NA	NA	Sufficient	0	0	1	1	0	0	2
208	NA	Sufficient	Sufficient	NA	NA	NA	NA	NA	NA	2
209	Insufficient	NA	Insufficient	1	1	1	1	2	2	0
210	Sufficient	Sufficient	NA	2	NA	3	0	3	NA	2
211	Sufficient	NA	NA	NA	NA	NA	NA	0	NA	2
212	NA	NA	Sufficient	NA	1	NA	NA	NA	NA	2

213	NA	NA	Insufficient	NA	1	NA	NA	NA	NA	2
214	NA	NA	Insufficient	2	1	2	2	NA	NA	2
215	Sufficient	NA	Insufficient	3	3	3	3	1	1	3
216	NA	Sufficient	Sufficient	NA	2	2	2	3	3	2
217	Sufficient	Sufficient	Sufficient	0	1	1	0	NA	NA	3
218	NA	Sufficient	NA	0	1	2	2	0	0	4
219	NA	NA	Insufficient	1	2	2	2	1	1	1
220	Sufficient	NA	NA	3	NA	NA	2	1	1	1