Supplementary File

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| Questions | n (%) |
| **Domain 1: Knowledge about COVID-19**  |
| 1. What type of infectious disease is COVID-19? Correctly answered  Incorrectly answered  | 462 (92)41 (8) |
| 2. What is the main transmission route of COVID-19? Correctly answered  Incorrectly answered | 487 (97)16 (3) |
| 3. How long is COVID-19 incubation period? Correctly answered  Incorrectly answered | 390 (78)113 (22) |
| 4. Who are susceptible to COVID-19? Correctly answered  Incorrectly answered | 104 (21)399 (79) |
| 5. What are the main clinical manifestations of COVID-19? Correctly answered  Incorrectly answered | 231 (46)272 (54) |
| 6.There currently is no effective cure for COVID-2019, but early symptomatic and supportive treatment can help most patients recover from the infection Correctly answered  Incorrectly answered | 473 (94)30 (06) |
| 7. Not all persons with COVID-2019 will develop severe symptoms. Only those who are elderly, have chronic illnesses, and are obese are more likely to be severe cases. Correctly answered  Incorrectly answered | 382 (76)121 (24) |
| 8. Contacting wild animals would not result in the infection by the COVID-19 virus. Correctly answered  Incorrectly answered | 230 (46)273 (54) |
| 9. Persons with COVID-2019 can transmit the virus to others when a fever is not present Correctly answered  Incorrectly answered | 393 (78)110 (22) |
| 10. The COVID-19 virus spreads via respiratory droplets of infected individuals. Correctly answered  Incorrectly answered | 470 (93)33 (07) |
| 11. The COVID-19 infection can be prevented through handwashing, wearing general medical masks and personal hygiene. Correctly answered  Incorrectly answered | 437 (87)66 (13) |
| 12. It is necessary for children and young adults to take extra precautions to prevent the infection by the COVID-19 virus. Correctly answered  Incorrectly answered | 472 (94)31 (06) |
| 13. To prevent the infection by the COVID-19 virus, individuals should avoid going to crowded places. Correctly answered  Incorrectly answered | 472 (94)31 (06) |
| 14. Isolation and treatment of people who are infected with the COVID-19 virus are effective ways to reduce the spread of the virus. Correctly answered  Incorrectly answered | 484 (96)19 (04) |
| 15. People who have contact with someone infected with the COVID-16 virus should be immediately isolated in a proper place. In general, the observation period is 14 days Correctly answered  Incorrectly answered | 481 (96)22 (04) |
| **Domain 2: Attitude towards COVID-19**  |
| 1. Media coverage (e.g. newspaper, television, online) gives much exposure to the COVID-19 virus? Positive  Neutral Negative  | 442 (88)13 (03)48 (09) |
| 2. Lockdown &Curfew of major cities will help towinthebattleagainsttheCOVID-19virus Positive  Neutral Negative | 452 (90)07 (01)44 (09) |
| 3. The COVID-19 virus finally will be successfully controlled? Positive  Neutral Negative | 312 (62)80 (16)111 (22) |
| 4. Do you hope the outbreak stop fast so you can return to school soon? Positive  Neutral Negative | 411 (82)37 (07)55 (11) |
| 5. Do you think you will be more capable of going through such public health emergence? Positive  Neutral Negative | 394 (78)43 (09)66 (13) |
| 6. Do you think this outbreak has impacted your studies? Positive  Neutral Negative | 95 (19)50 (10)358 (71) |
| 7. Face mask & Hand washing is necessary for prevention of infection. Positive  Neutral Negative | 402 (80)80 (16)21 (04) |
| 8. Smoking will not prevent infection Positive  Neutral Negative | 352 (70)90 (18)61 (12) |
| 9. Virus is not a stigma and I should not hide my infection Positive  Neutral Negative | 390 (78)52 (10)61 (12) |
| 10 If getting infected I will go to hospital as advised. Positive  Neutral Negative | 396 (79)29 (06)78 (15) |
| 11. I can get infected If I contacted an infected patient despite of my strong beliefs. Positive  Neutral Negative | 397 (79)49 (10)57 (11) |
| 12. I can get infected If I contacted an infected patient despite my good immunity Positive  Neutral Negative | 395 (79)30 (06)78 (15) |
| 13. Have you bought face masks Positive  Neutral Negative | 503 (100)00 (00)00 (00) |
| 14. I follow regular updates on virus. Positive  Neutral Negative | 441(88)15 (03)47 (09) |
| **Domain 3: Fear about COVID-19** |
| 1. Are you afraid to contact with people who has flu symptoms such as cough, running nose, sneezing and fever? Yes  No | 392 (78)111 (22) |
| 2. Are you afraid to eat outside food & raw food from hawker centers. Yes  No | 359 (71)144 (29) |
| 3. Are you afraid to contact your friends and relatives who just back from overseas? Yes  No | 353 (70)150 (30) |
| 4. Are you afraid to go to crowed places Yes  No | 463 (87)67 (13) |
| 5.Are you avoiding taking public transport (e.g taxi, bus, train and airplane)? Yes  No | 451 (90)52 (10) |
| **Domain 4: Practices to deal with COVID 19** |
| 1. Do you avoid hand shaking Proactive Neutral Passive  | 429 (85)07 (01)67 (13) |
| 2. Do you wash hands with water and soap regularly. Proactive Neutral Passive | 492 (98)03 (0.5)08 (1.5) |
| 3. Do you use alcoholic hand rub. Proactive Neutral Passive | 345 (69)16 (03)142 (28) |
| 4. Do you cough and sneeze in a tissue and throw it in waste bin. Proactive Neutral Passive | 467 (93)07 (01)29 (06) |
| 5. Do you wear a face mask. Proactive Neutral Passive | 476 (95)04 (01)23 (04) |
| 6. Do you drink ginger & eat garlic with honey. Proactive Neutral Passive | 247 (49)09 (02)247 (49) |
| 7. Are you satisfied with the steps of ministry of health to contain COVID-19. Proactive Neutral Passive | 358 (71)51 (10)94 (19) |
| 8. Did the outbreak of the COVID-19 virus make you increase the frequency of washing hands Proactive Neutral Passive | 467 (93)14 (03)22 (04) |
| 9. Did the outbreak of the COVID-19 virus make you use hand sanitizer more frequently. Proactive Neutral Passive | 463 (92)09 (02)31 (06) |
| 10. Did the outbreak of the COVID-19 virus make you use personal protective equipment (e.g. mask) more often than you used to. Proactive Neutral Passive | 471 (94)10 (02)22 (04) |
| 11. Did you carry hand sanitizer with you during the outbreak in Pakistan. Proactive Neutral Passive | 442 (88)10 (02)51 (10) |
| 12. Did you write down or store in your phone any helpline number to contact in case you suspected that you or someone you know had the COVID-19 virus? Proactive Neutral Passive  | 287 (57)23 (05)193 (38) |
| 13.Did you maintain social distance during the outbreak? Proactive Neutral Passive | 464 (92)09 (02)30 (06) |
| 14. Did you cover cough and sneeze with a tissue, handkerchief, etc. during the outbreak. Proactive Neutral Passive | 411 (82)50 (10)42 (08) |
| 15. Did you avoid unnecessary travel or outing during the outbreak? Proactive Neutral Passive | 481 (96)06 (01)16 (03) |
| 16. Are you staying at home and avoid going to crowded places? Proactive Neutral Passive | 486 (97)00 (00)17 (03) |
| 17. Will you take medicine (conventional or traditional medicine) if you feel your body unwell? Proactive Neutral Passive | 448 (89)13 (03)42 (08) |
| 18. Will you perform healthy lifestyle (eat nutritious food, exercise regularly, and get enough of rest or sleep) to maintain your body health and to avoid infection? Proactive Neutral Passive | 470 (93)12 (02)21 (04) |
| **Domain 5: Preventive Behavior**  |
| 1.Do you cancelled or postponed meetings with friends, eating-out and sport events Appropriate Behavior Inappropriate Behavior  | 469 (93)34 (07) |
| 2. Do you reduced the use of public transportation Appropriate Behavior Inappropriate Behavior  | 486 (97)17 (03) |
| 3.Do you went shopping less frequently Appropriate Behavior Inappropriate Behavior  | 437 (94)30 (06) |
| 4.Do you avoided coughing around people as much as possible. Appropriate Behavior Inappropriate Behavior  | 486 (97)17 (03) |
| 5.Do you avoided places where a large number of people are gathered Appropriate Behavior Inappropriate Behavior  | 480 (95)23 (05) |
| 6. Do you increased the frequency of cleaning and disinfecting items that can be easily touched with hands (i.e. door handles and surfaces). Appropriate Behavior Inappropriate Behavior  | 454 (90)49 (10) |
| 7.Do you washed the hands more often than usual. Appropriate Behavior Inappropriate Behavior  | 479 (95)24 (05) |
| 8.Do you discussed COVID-19 prevention with my family and friends. Appropriate Behavior Inappropriate Behavior  |  481 (96)22 (04) |
| **Domain 6: Risk Perception** |
| 1. You may become infected with COVID-19 more easily than others. Yes No | 156 (31)347 (69) |
| 2.Are you afraid to be infected with COVID-19 Yes No | 312 (62)191 (38) |