

RESEARCH TOOLS

M.Ed. 2022-2024

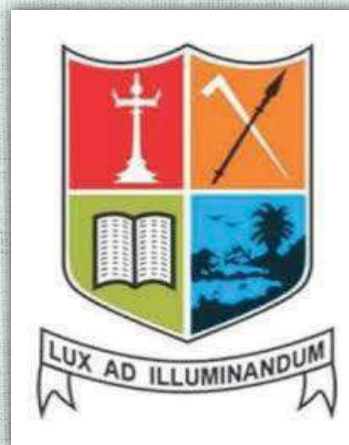
CHIEF EDITOR

Dr. T.M. MOLLYKUTTY

EDITORS

Ms. ANEETA GEORGE

Ms. NEENUM DITTU



**St. Thomas College of Teacher Education, Pala,
Kottayam, Kerala – 686575**

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DIGITAL CITIZENSHIP AWARENESS SCALE

Name of the Supervisor:
Dr P. P. Shajimon

Name of the Investigator:
Vani Viswanath

Instructions:

- Read each statement carefully and put tick mark against your choice.
- Do not omit any statements.
- Your response will be kept confidential and will be used only for research purposes.

Sl.No.	Statements	Always	Sometimes	Never
1	I can make sure the content I post online is respectful.			
2	I am unaware of the consequences of my online actions on my personal reputation.			
3	I can't speak up when I witness cyber bullying among my peers online.			
4	I cannot share personal information about others online without their consent.			
5	I respect other people's opinions even if they differ from mine.			
6	I avoid using offensive language when interacting with others online.			
7	I respect each and every user of an online community.			

8	I try to keep decorum while communicating in an online community.			
9	I can access digital textbooks and online learning resources required for my studies.			
10	I understand that online communities can include people from all around the world.			
11	I can access online tutorials to improve my understanding of difficult topics.			
12	I use digital devices or the internet for educational purposes.			
13	I can protect my digital devices by installing and updating antivirus software			
14	I support that everyone should have equal access to digital resources and opportunities.			
15	I can use digital devices to facilitate my studies.			
16	I can efficiently locate and select relevant information from online sources.			
17	I can convey my thoughts and ideas clearly through visual representation.			
18	I encourage my peers to practise responsible and ethical digital behaviour.			
19	I can use the internet to learn about different cultures and communities from around the world.			

20	I am aware of the importance of being respectful and kind when communicating online.			
21	I share my passwords or login credentials with anyone.			
22	I overlook privacy settings on social media platforms.			
23	I know that whatever I post on social media will remain there forever.			
24	I can encourage my peers to use strong passwords and protect their digital privacy.			
25	I advise my friends about the risks of oversharing personal information online.			
26	I respect my peers' digital privacy by not sharing their private information without consent.			
27	I seek permission from my peers before sharing their photos online.			
28	I understand the consequences of sharing inappropriate or harmful content within my peer group.			
29	I value the importance of freedom of expression while respecting others rights online.			
30	I ignore the importance of mental health while using online devices.			
31	I slouch or hunch over while using digital devices.			

32	I cannot ignore my friends' mental health struggles.			
33	I can be a supportive listener for my peers when they face distress on digital platform.			
34	I support constructive dialogue rather than argumentation while communicating online.			
35	I do not engage in any kind of verbal argument online with my friends.			

DIGITAL CITIZENSHIP AWARENESS SCALE
SCORING KEY

Sl. No.	Always	Sometimes	Never
1.	3	2	1
2.	1	2	3
3.	1	2	3
4.	3	2	1
5.	3	2	1
6.	3	2	1
7.	3	2	1
8.	3	2	1
9.	3	2	1
10.	3	2	1
11.	3	2	1
12.	3	2	1
13.	3	2	1
14.	3	2	1
15.	3	2	1
16.	3	2	1
17.	3	2	1
18.	3	2	1
19.	3	2	1

20.	1	2	3
21.	1	2	3
22.	1	2	3
23.	3	2	1
24.	3	2	1
25.	3	2	1
26.	3	2	1
27.	3	2	1
28.	3	2	1
29.	3	2	1
30.	1	2	3
31.	1	2	3
32.	3	2	1
33.	3	2	1
34.	3	2	1
35.	3	2	1

QUESTIONNAIRE ON DIGITAL CITIZENSHIP PRACTICES

Name of the Supervisor:
Dr P. P. Shajimon

Name of the Investigator:
Vani Viswanath

Instructions:

- Read each questions carefully and put tick mark against your choice.
- Do not omit any questions.
- Your response will be kept confidential and used only for research purposes.

Sl.No.	Questions	Yes	No
1.	Do you select websites for your learning independently?		
2.	Do you use payment methods other than cash on delivery when purchasing products online?		
3.	Can you manage your online accounts independently?		
4.	Do you explore new digital tools or platforms?		
5.	Have you reported any inappropriate online content?		
6.	Do you set time limits on digital device usage for well-being?		
7.	Have you protected your digital devices from security threats?		
8.	Do you buy things through online shopping?		
9.	Have you ever cyberbullied anyone?		
10.	Have you ever undergone online harassment?		
11.	Has anyone cyberbullied you?		

12.	Do you exhibit responsible and ethical online behaviour?		
13.	Do you verify the accuracy of information you find online?		
14.	Are you respectful and kind to others when communicating online?		
15.	Have you believed in fake news and been misled?		
16.	Do you take steps to protect your online reputation?		
17.	Do you consider others' feelings when interacting online?		
18.	Are you polite when commenting on social media?		
19.	Did you stand up against disrespectful online comments?		
20.	Have you chatted with anyone without disclosing your identity?		
21.	Do you try to maintain a positive and respectful online environment?		
22.	Are you careful about the language you use when communicating online?		
23.	Have you experienced disrespectful behaviour online?		
24.	Do you own multiple accounts on the same social media platform?		
25.	Are you proficient at using email for communication?		
26.	Do you use digital platforms for online learning?		
27.	Do you know how to start a new meeting in Google Meet or similar platform?		
28.	Do you know how to download pdf files from websites?		
29.	Do you perform basic digital security practices like using strong passwords?		

30.	Do you regularly update online profiles on social media?		
31.	Do you mind privacy settings before taking an account on any application?		
32.	Do you feel confident in your overall competence when using digital platforms?		
33.	Have you created a separate online avatar?		
34.	Do your online identity allow you to express yourself authentically?		
35.	Are there online communities or groups that you actively participate in?		
36.	Have you ever felt pressured to conform to certain online norms or behaviours?		
37.	Do you always use your real name on social media?		
38.	Do you mention the gender you prefer on social media?		
39.	Have you shared your interest on social media?		
40.	Have you ever shared personal experiences or challenges within your online communities?		

SOCIAL CONFORMITY SCALE

Supervisor: Dr. Sr. Shalby P Jose

Investigator: Shahaana N

Instructions

- Read each statement carefully and put a tick mark against your choice.
- For each statement, the possible responses are divided into three alternatives which are Always, Sometimes and Never.
- Your responses will be kept confidential and will be used only for research purposes only.
- Do not omit any questions.

Sl. No	Statement	Always	Sometimes	Never
1	I copy what my friends do, even if I'm not completely sure about it.			
2	My friends' style and actions can influence me.			
3	I question and challenge the strict rules set by my parents, choosing not to follow them.			
4	I wear the school uniform and strictly follow all school rules and regulations.			
5	I neglect to complete assignments and homework on time, not aligning with classroom requirements.			
6	I find it hard to go against what the society considers normal.			
7	I engage in online discussions because others are doing it.			
8	I change my preferences or behaviour to match with what my			

	friends prefer.			
9	I find it tricky to decide between what my parents want me to do and what I really want to do.			
10	It's challenging for me to assert my independence and go against my parents' choices.			
11	I tend to obey the classroom rules and instructions, even when I'm not completely convinced.			
12	I feel the need to meet society's standards of success and achievement.			
13	I follow the latest trends on Instagram, like using filters or posting certain types of photos, even if I'm not that interested in them.			
14	I prefer to maintain a harmonious relationship with my peers rather than engaging in disagreements.			
15	I don't argue with my friends about the things they choose to do.			
16	I hold back my thoughts to avoid conflict with my family.			
17	In school, I prioritize maintaining a peaceful environment rather than pushing for changes.			
18	I refrain from challenging gender and racial assumptions in various situations.			
19	I prefer keeping peace in my relationships rather than tackling societal problems.			
20	I stay silent when I see controversial content on social media			

	to avoid arguments.			
21	I follow the crowd when making group decisions with my friends.			
22	I feel a strong hesitation to communicate my true opinions when they differ from what my parents believe.			
23	I choose not to voice my questions or concerns in class to avoid standing out.			
24	I censor my feedback or suggestions in class to avoid disagreements with teachers.			
25	It's difficult for me to voice differing views on societal matters to avoid disagreements.			
26	I feel compelled to hide my true self to escape societal scrutiny and criticism.			
27	I hide what I want to say on the internet to make my online friends happy.			
28	If my friends pressure me to do something, I may stand up for myself.			
29	When my parents insist on a particular course of action, I usually do the opposite to show my independence.			
30	I tend to go along with my parents' wishes when they exert strong control.			
31	I resist conforming to school policies if I perceive them as unjust.			
32	I politely stand my ground when faced with society's rigid			

	behavioural norms.			
33	When I see too many fashion trends on social media, I might take a break to prevent feeling stressed.			
34	I'm myself online, even if it's different from what others expect.			
35	I do what my friends want to fit in and avoid feeling different.			
36	I feel the weight of my parents' expectations in shaping my choices and behaviour.			
37	I find it important to meet my parents' standards to prevent feelings of disappointment.			
38	I comply with classroom expectations to receive positive feedback from teachers.			
39	I prioritize conforming to societal standards to gain social acceptance and recognition.			
40	I behave differently on the internet to fit in and be friends with others			

SCORING KEY OF SOCIAL CONFORMITY SCALE

Supervisor: Dr. Sr. Shalby P Jose

Investigator: Shahaana N

Sl. No	Always	Sometimes	Never
1	3	2	1
2	3	2	1
3	1	2	3
4	3	2	1
5	1	2	3
6	3	2	1
7	3	2	1
8	3	2	1
9	1	2	3
10	3	2	1
11	3	2	1
12	3	2	1
13	3	2	1
14	3	2	1
15	3	2	1
16	3	2	1
17	3	2	1
18	3	2	1
19	3	2	1
20	3	2	1

Sl. No	Always	Sometimes	Never
21	3	2	1
22	3	2	1
23	3	2	1
24	3	2	1
25	3	2	1
26	3	2	1
27	3	2	1
28	1	2	3
29	1	2	3
30	3	2	1
31	3	2	1
32	3	2	1
33	1	2	3
34	3	2	1
35	3	2	1
36	3	2	1
37	3	2	1
38	3	2	1
39	3	2	1
40	3	2	1

SELF-ESTEEM QUESTIONNAIRE

Supervisor: Dr. Sr. Shalby P Jose

Investigator: Shahaana N

Instructions

- Read each question carefully and put a tick mark against your choice.
- For each question, the possible responses are divided into two alternatives which are Yes and No.
- Your responses will be kept confidential and will be used only for research purposes only.
- Do not omit any questions.

Sl. No	Question	Yes	No
1.	When you had to give a presentation in class, did you ever doubt your abilities?		
2.	Do your parents or guardians celebrate and encourage you when you achieve a personal goal?		
3.	Does participating in school activities like art, music, or sports make you feel more valuable?		
4.	Do you feel good about yourself when you express your ideas in social situations and gets appreciation from others?		
5.	Does criticism and negativity from society lead you to doubt your abilities?		
6.	When you make a mistake in a game, do you quickly bounce back and try again?		
7.	Do you stand up for yourself when you disagree with someone?		
8.	Do you always depend on your parents during challenging times?		

9.	When you encounter a challenging assignment, do you typically persevere and find a way to complete it?		
10.	Have you ever turned a negative experience into a motivation for self-improvement within a school context?		
11.	Have you ever sought professional help or counselling to cope with societal pressures?		
12.	When deciding on your stream of study, were you confident in your choice?		
13.	Do you feel anxious and unsure when trying something new and innovative?		
14.	Do you trust your intuition when making important life decisions?		
15.	Have your parent's discouragement affected you badly from pursuing your dreams and aspirations?		
16.	Have your peers ever made you feel self-conscious or inferior in class?		
17.	Do your self-confidence increase when your ideas are accepted during classroom discussions?		
18.	Do you worry about what others think of your clothes and how you look?		
19.	Do you think it's not very important to be famous or well-known among your friends?		
20.	Do you seek attention or validation from others when you earn a good grade or win a competition?		
21.	Do you try to outdo your siblings or cousins to be the favourite or get more attention from your parents?		
22.	When your teacher gives you advice on your school projects, do you usually find it helpful and use it to make your work better?		

23.	Do you care more about improving yourself in school than about being popular or famous?		
24.	Does the number of social media followers or likes you receive affect your self-worth?		
25.	Are you willing to take responsibility for the success or failure of a project?		
26.	Do the pressure and stress from your family affect your academic performance?		
27.	Are you confident in managing your time well when you have difficult homework or tests to complete?		
28.	Do you feel pressured by what others think when you make choices about your education?		
29.	Does society ever make you feel unsure about trying new things or taking on new challenges?		
30.	Do you often feel insecure about your abilities and decisions?		
31.	Are you able to manage and cope with negative emotions like anger or sadness effectively?		
32.	Do you ever feel that your parents' love and acceptance for you change based on your academic achievements or failures?		
33.	Do you get depressed when your parents dismiss your concerns about stress or social anxiety?		
34.	Are you concerned about being judged or rejected by your peers at school?		
35.	Have negative comments or online criticism ever affected you badly?		
36.	Have you ever seen pictures on social media and wished you looked like that?		
37.	Did you ever choose a different career goal because your friends		

	were successful in it and liked it?		
38.	Have you ever picked a school subject or major just because it seemed popular or impressive to others?		
39.	Did you ever feel like your family wanted you to be the best in school or other activities, which made you feel pressured?		
40.	Have you ever felt truly content with yourself?		

SCORING KEY OF SELF-ESTEEM QUESTIONNAIRE

Supervisor: Dr. Sr. Shalby P Jose

Investigator: Shahaana N

Sl. No	Yes	No
1	0	1
2	1	0
3	1	0
4	1	0
5	0	1
6	1	0
7	1	0
8	0	1
9	1	0
10	1	0
11	0	1
12	1	0
13	0	1
14	1	0
15	0	1
16	0	1
17	1	0
18	0	1
19	1	0
20	0	1

Sl. No	Yes	No
21	0	1
22	1	0
23	1	0
24	0	1
25	1	0
26	0	1
27	1	0
28	0	1
29	0	1
30	0	1
31	1	0
32	0	1
33	0	1
34	0	1
35	0	1
36	0	1
37	0	1
38	0	1
39	0	1
40	1	0

QUESTIONNAIRE ON CAREER ASPIRATIONS

Name of the Supervisor:

Dr.P.P. Shajimon

Name of Investigator:

Arya.K.B

Instructions:

- Read each statement carefully and put tick mark against your choice.
- Do not omit any statement.
- Your response will be kept confidential and used only for research purposes.

SI.No	Statements	Yes	No
1	Have you identified a career path that genuinely excites you?		
2	Do you find your school subjects aligning with your career passions?		
3	Are you engaged in hobbies or projects that relate-to your desired career?		
4	Do you look up to someone in your desired field as a source of inspiration?		
5	Are you committed to overcoming challenges to pursue your career aspirations?		
6	Do you research about your favourite career during your free time?		
7	Are you strongly motivated are you to achieve your Career goals?		
8	Can you identify specific factors or influences that motivate you to pursue you a career path?		

9	Have you set any short-term goals to help you progress toward your long-term career aspirations?		
10	Do you believe that achieving your career goals will lead to personal satisfaction and fulfilment?		
11	Are you willing to work hard to achieve your career dream?		
12	Do you think that your current skills and interests match your career aspirations?		
13	Do you think that your personality traits might influence your career choices?		
14	Are there specific industries or sectors that you are more drawn to when thinking about your career"		
15	Do you think being creative and innovative help in building a successful career"		
16	Do you think that your current skills and interests match your career aspirations?		
17	Do you think that your personality traits might influence your career choices?		
18	Are there specific industries or sectors that you are more drawn to when thinking about your career"		
19	Do you think being creative and innovative help in building a successful career"		
20	Do you think that your current skills and interests match your career aspirations?		
21	Do you think that your personality traits might influence your career choices?		
22	Do you envision yourself in a career where you have the freedom to set your own work schedule and priorities?		
23	Do you desire creative control and autonomy in your future profession?		

24	Do you aspire to be in a role where you can make significant decisions that impact the organization you work for?		
25	Are you interested in careers that involve entrepreneurship or running your own business for maximum autonomy?		
26	Would you feel most fulfilled in a career that allows you to continuously learn and adapt independently?		
27	Would you prefer a career path where you can work remotely and have flexibility in your location?		
28	Do you have any long term career goals?		
29	Can you describe a specific skill or knowledge area you hope to develop in your chosen career path?		
30	Do you consider further education as a means to support future?		
31	Are you motivated to pursue a career that involves helping others or contributing to the greater good of society?		
32	Can you envision yourself working in a field that requires a sense of service?		
33	Are there any role models or individuals whose careers inspire you to pursue a path that emphasizes service to others?		
34	Have you actively participated in volunteer work or community service activities that have influenced your career aspirations?		
35	Are you willing to prioritize a sense of service in your career, even if it may not always be the most financially lucrative option?		
36	Do you believe that making a positive impact on society is an important aspect of your future career aspirations?		
37	Do you envision creativity playing a role in your future career aspirations?		

38	Can you describe a specific career path that you believe would allow you to express your creative talents and skills?		
39	Do you have innovative ideas to pursue in your desired career field?		
40	Do you see yourself in a profession that involves artistic or design elements?		

SELF-EFFICACY SCALE

Name of the Supervisor:
Dr.P.P. Shajimon

Name of Investigator:
Arya.K.B

SI No	Statements	Always	Sometimes	Never
1	I can't find solutions to personal problems.			
2	If I have any issues with my friends, I'll inform my parents.			
3	I am ready to face the future consequences of my personal decisions.			
4	When dealing with complicated matters, I seek advice from educators.			
5	When making decisions, I consider my parents' opinions and instructions.			
6	I have clear goals in my personal life.			
7	I prioritize responsibility for my personal and professional duties.			
8	I actively participate in school activities.			
9	I hesitate to ask questions in class.			
10	I study the lesson material from class.			
11	I complete class assignments on time.			
12	I manage my study schedule carefully.			
13	I can't spare time to organize personal matters or events.			

14	I'm overwhelmed with activities that consume my time in life.			
15	I spend time helping my friends.			
16	I allocate time for my studies and other activities."			
17	I doubt my abilities in personal challenges.			
18	I feel confident when helping my friends.			
19	My position in my family gives me confidence.			
20	I believe taking risks in my personal life contributes to personal growth.			
21	I do not discuss personal matters with classmates.			
22	I am ready to help my friends in school.			
23	I lack confidence in my abilities to handle household chores.			
24	I actively participate in activities beneficial to my family.			
25	I spend time with my parents.			
26	I utilize the conveniences at home effectively for my studies.			
27	I don't discuss class matters with my parents.			
28	I will always engage in honest and meaningful communication with my teachers as part of my academic growth.			
29	I am ready to support and protect my family.			
30	I always set goals for my personal development.			
31	My parents take pride in my personal			

	achievements.			
32	I don't discuss class matters with my parents			
33	With the guidance of my teachers, I can actively participate in school activities and discussions.			
34	I have confidence in my abilities to collaborate with classmates and teachers to achieve the school's common goals.			
35	Following my teachers' guidance, I can integrate what is taught at school with practical application at home.			
36	During academic challenges, I believe I can seek assistance or clarity from my teachers.			
37	I lack confidence in my abilities to handle household chores.			
38	I believe in my ability to actively engage in my education, as expected by my parents.			
39	When facing a problem, I feel I can seek support or guidance from my parents.			
40	My parents take pride in my personal achievements.			

QUESTIONNAIRE ON SCIENTIFIC TEMPER

*Prepared by
Abhijith Jose & Dr. P.P Shajimon*

Instructions:

- *This questionnaire is intended to measure the Scientific Temper among students at undergraduate level*
- *For each statement there are two alternatives Yes or No.*
- *Kindly put a tick mark (✓) against your choice.*
- *Answer all the questions.*
- *Please select only one option*

Sl. No		Yes	No
1	Do you think that a habit of washing your hands frequently with soap and water prevents the spread of diseases?		
2	Do you think unplugging electronics while not in use is a good method of saving energy?		
3	Do you think that eating a balanced diet is the best way to stay healthy?		
4	Do you think that it is important to cover cough or sneeze with a tissue to prevent the spread of respiratory diseases?		
5	Are you interested in learning about new scientific discoveries?		
6	Do you enjoy reading about scientific breakthroughs in the news?		
7	Do you discuss scientific topics with your friends and family?		
8	Do you think it's important to stay informed about new scientific developments?		

9	Before you vote, do you research the candidates and their positions on the issues?		
10	Before you share a piece of information on social media, do you check to see if it is from a reputable source?		
11	When you hear someone make a claim, do you ask them to provide evidence to support it?		
12	When you are faced with a difficult decision, do you think about the potential consequences of your choices?		
13	Do you enjoy exploring new ideas?		
14	Are you always eager to try new things?		
15	Do you enjoy reading and learning about different topics?		
16	Do you often ask questions to gain a deeper understanding of a subject?		
17	Are you open to receiving feedback and making necessary adjustments in your learning process?		
18	Do you seek help from teachers or peers when you encounter difficulties in new situations?		
19	Are you able to learn from your mistakes and move forward?		
20	Do you use evidence to support your arguments and opinions?		
21	Do you ask questions to clarify information and deepen your understanding?		
22	Do you consider the pros and cons of different options before making a decision?		
23	Are you able to identify and avoid scams?		
24	Are you able to identify and avoid logical fallacies in advertising?		
25	Do you believe that the scientific method is the best way to learn about the world around you?		

26	Are you open to new scientific ideas, even if they challenge your existing beliefs?		
27	Do you consider the evidence before forming an opinion on any issues?		
28	Do you like to learn about new scientific discoveries and the evidence behind it?		
29	Do you consider the credibility of the source when you hear an information?		
30	Do you notice the expiration date of a food before you eat it?		
31	Do you read the directions before you use a new product?		
32	Do you believe that weather forecasts based on meteorological data are more reliable than personal beliefs and folklore?		
33	Do you believe that breaking a mirror will bring seven years of bad luck?		
34	Do you think that carrying a lucky charm will bring you good fortune?		
35	Do you believe that the number 13 is unlucky?		
36	Do you believe in astrology and horoscopes?		
37	Do you seek credibility of the information even if it is given by authority figures?		
38	Are you aware of your own biases and try to set them aside when evaluating information?		
39	Do you doubt claims that seems too good to be true?		
40	Do you seek evidence and data to support claims made by public figures or politicians?		

QUESTIONNAIRE ON SCIENTIFIC TEMPER
SCORING KEY

Sl. No:	YES	NO
1	1	0
2	1	0
3	1	0
4	1	0
5	1	0
6	1	0
7	1	0
8	1	0
9	1	0
10	1	0
11	1	0
12	1	0
13	1	0
14	1	0
15	1	0
16	1	0
17	1	0
18	1	0
19	1	0
20	1	0
21	1	0

22	1	0
23	1	0
24	1	0
25	1	0
26	1	0
27	1	0
28	1	0
29	1	0
30	1	0
31	1	0
32	1	0
33	0	1
34	0	1
35	0	1
36	0	1
37	1	0
38	1	0
39	1	0
40	1	0

SCALE ON HUMANISM

*Prepared by
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Instructions:

- *This Scale is intended to measure the Humanism among students at undergraduate level*
- *For each statement there are three alternatives Always, Sometimes and Never.*
- *Kindly put a tick mark (✓) against your choice.*
- *Answer all the questions.*
- *Please select only one option*

Sl. No:	Statements	Always	Sometimes	Never
1.	I help with household chores without being asked			
2.	I help people to get something in return			
3.	I provide emotional support to my friends when they need it			
4.	I care about the success and achievements of my friends.			
5.	I involve in activities that contribute to the happiness of my parents.			
6.	I do community volunteer works without being asked			

7.	I donate to charities and other social organizations			
8.	I encourage my friends to take care of themselves			
9.	I make a cup of tea for my parents without being asked.			
10.	I am ready to buy a warm meal to someone who is hungry			
11.	I offer my seat to elders while I am sitting on a bus.			
12.	I say 'Thank you' to my professor at the end of class.			
13.	I am committed to making my family members' lives better.			
14.	I feel happy when I help people in need.			
15.	I forgive my friends when they make mistakes.			
16.	I check whether my friends are doing well or not			
17.	I tell my family members the truth, even when it is difficult.			
18.	I keep my promises to my family members.			
19.	I admit my mistakes even when no one else has noticed them			
20.	I return lost items that I find to the rightful owners			
21.	I raise my voice at my parents			

	when I am angry.			
22.	I follow social rules and etiquette when interacting with others.			
23.	I am not willing to compromise and cooperate with others.			
24.	I copy the assignments of my friends.			
25.	I am not willing to change my plans when my parents ask me			
26.	I cannot manage my time effectively and meet deadlines of my teachers			
27.	I am able to see the good in my parents			
28.	I complain my parents about their short comings.			
29.	I react negatively when my parents criticise me.			
30.	I am able to forgive others when they make mistakes.			
31.	I am upset when my friends celebrate their religious festivals.			
32.	I make fun of my friends because of their differences.			
33.	I take responsibility for my actions.			
34.	I have responsible online behaviour			
35.	I make responsible choices about			

	my time and money.			
36.	I learn from my mistakes and take steps to improve myself.			
37.	I recycle and compost at home.			
38.	I am concerned about environmental issues and challenges.			
39.	I vote in elections and participate in the democratic process.			
40.	I will report to my teachers if I see one of my friends' using drugs.			

SCALE ON HUMANISM

SCORING KEY

Sl. No.	Always	Sometimes	Never
1	3	2	1
2	1	2	3
3	3	2	1
4	3	2	1
5	3	2	1
6	3	2	1
7	3	2	1
8	3	2	1
9	3	2	1
10	3	2	1
11	3	2	1
12	3	2	1
13	3	2	1
14	3	2	1
15	3	2	1
16	3	2	1
17	3	2	1
18	3	2	1
19	3	2	1
20	3	2	1
21	1	2	3

22	3	2	1
23	1	2	3
24	1	2	3
25	1	2	3
26	1	2	3
27	3	2	1
28	1	2	3
29	1	2	3
30	3	2	1
31	1	2	3
32	1	2	3
33	3	2	1
34	3	2	1
35	3	2	1
36	3	2	1
37	3	2	1
38	3	2	1
39	3	2	1
40	3	2	1

FOOD SAFETY AWARENESS TEST

Supervisor: Ms. Aneeta George

Investigator: Anjali Francis

Instructions:

- Read each questions carefully and put the tick mark against your choice.
- Do not omit any statement
- Your responses will be kept confidential and will be used only for research purpose.

Sl. No.	Questions
1.	What should you do if you drop a food item on the floor while preparing food? a) Wash it thoroughly and continue using it b) Wipe it with a damp cloth c) Discard it or wash it thoroughly, depending on the food item d) Ignore it and continue cooking
2.	Which of the following should be avoided when handling food with bare hands? a) Touching your face b) Using a utensil c) Wearing gloves d) Sanitized hands
3.	When should you wash fruits and vegetables? a) Right before eating them b) As soon as you bring them home c) Only if they look dirty

	d) Never wash them
4.	<p>What is the proper way to handle a cutting board that has been used for cutting raw meat?</p> <p>a) Rinse it with cold water</p> <p>b) Wipe it with a wet cloth</p> <p>c) Wash it with soap and hot water</p> <p>d) Wash it just before next use</p>
5.	<p>Why is it essential to separate raw and cooked foods during food preparation?</p> <p>a)It makes cooking faster.</p> <p>b)To enhance the taste of food.</p> <p>c)To prevent cross-contamination</p> <p>d)To save money on ingredients.</p>
6.	<p>Which of the following should not be stored with raw meat in the refrigerator?</p> <p>a) Dairy products</p> <p>b) Fresh vegetables</p> <p>c) Eggs</p> <p>d) Cooked food</p>
7.	<p>Why should you use separate cutting boards for raw meat and other food items?</p> <p>a)To add variety to your kitchen tools</p> <p>b)To make cleanup easier</p> <p>c)Stop the spread of germs from one food to another</p> <p>d)To save time</p>

8.	<p>Why is it important to use separate containers for storing raw and cooked foods in the refrigerator?</p> <ul style="list-style-type: none">a) To keep the refrigerator organizedb) To save spacec) To prevent cross-contaminationd) To reduce the need for cleaning
9.	<p>What should you check when purchasing raw materials like fruits and vegetables?</p> <ul style="list-style-type: none">a)The priceb)The colourc)The expiration dated)The quality and freshness
10.	<p>What should you do if you notice that raw materials have exceeded their “use by” date?</p> <ul style="list-style-type: none">a) Use them immediatelyb) Store them in the freezerc) Discard them safelyd) Sell them at a discount
11.	<p>What is the correct way to transport raw materials from the grocery store to home?</p> <ul style="list-style-type: none">a) In a paper bagb) In a reusable cloth bagc) In a reusable plastic bagd) Unwrapped in the shopping cart

12.	<p>What is the recommended course of action if you accidentally ingest a small piece of glass from a container of raw materials?</p> <ul style="list-style-type: none"> a) Drink milk to soothe the throat b) Continue eating as usual c) Seek immediate medical attention d) Consume vinegar to dissolve the glass
13.	<p>Which of the following is NOT a good practice for maintaining personal hygiene in the kitchen?</p> <ul style="list-style-type: none"> a) Wearing clean and appropriate clothing b) Washing hands regularly with soap and warm water c) Not washing hands and using kitchen tools d) Covering wounds and cuts with waterproof bandages
14.	<p>Why should you avoid sneezing or coughing directly over food?</p> <ul style="list-style-type: none"> a) To prevent contamination from airborne particles b) To improve food flavour c) To avoid getting food on your hands d) To save tissues
15.	<p>How should you handle your hair when working with food?</p> <ul style="list-style-type: none"> a) Keep it uncovered to stay cool b) Tuck it under your hat or wear a hairnet c) Use a cloth towel to cover it d) Style it with gel or hairspray
16.	<p>How should you handle personal items like cell phones while working with food?</p> <ul style="list-style-type: none"> a) Use them freely to stay connected b) Keep them in your pocket or apron

	<ul style="list-style-type: none"> c) Wash them regularly d) Avoid using them in the kitchen
17.	<p>Why is it important to cook food thoroughly?</p> <ul style="list-style-type: none"> a) To improve food presentation b) To make the food soft to eat c) To enhance food flavour d) To kill harmful bacteria and pathogens
18.	<p>Why should you avoid partially cooking food and finishing the cooking process later?</p> <ul style="list-style-type: none"> a) To save time b) To prevent food from becoming overcooked c) To reduce the risk of bacterial growth d) To enhance food flavor
19.	<p>Why should you avoid interrupting the cooking process and allowing food to cool before finishing cooking?</p> <ul style="list-style-type: none"> a) To save energy b) To improve food flavour c) To prevent bacterial growth d) To speed up the cooking process
20.	<p>What is the recommended course of action if you notice pink or undercooked areas in poultry or meat?</p> <ul style="list-style-type: none"> a) Serve it as is to save time b) Cook it for a few more minutes c) Ignore it, as it won't harm anyone d) Use a meat thermometer to ensure it reaches the correct temperature

21.	<p>How can you ensure that ground meat, such as meatloaf or meatballs, is cooked thoroughly?</p> <ul style="list-style-type: none"> a) Add extra salt to kill any potential pathogens b) Use a meat thermometer to check the internal temperature of 160o F c) Cook until it's browned d) Smell it to check for doneness
22.	<p>How can you prevent cross contamination when storing raw meats in the refrigerator?</p> <ul style="list-style-type: none"> a)Keep them on the top shelf b)Use sealed containers or plastic bags to separate them from other foods c)Store them unwrapped for easy access d)Place them directly on the refrigerator shelves
23.	<p>How can you prevent cross contamination when using utensils like knives and tongs in the kitchen?</p> <ul style="list-style-type: none"> a) Wash them only at the end of food preparation b) Rinse them with cold water c) Sanitize d) Leave them on the countertop for easy access
24.	<p>How should you handle raw eggs to prevent cross contamination?</p> <ul style="list-style-type: none"> a) Keep them at room temperature b) Wash them with soap before cracking c) Avoid consuming raw eggs d) Store them with dairy products

25.	<p>How should you handle a situation where a co-worker is not following proper practices to prevent cross contamination?</p> <ul style="list-style-type: none"> a) Ignore it, as it's not your responsibility b) Confront them publicly c) Report it to your supervisor or manager d) Share your utensils with them
26.	<p>When transferring food from one container to another, how can you prevent cross contamination?</p> <ul style="list-style-type: none"> a) Use the same utensils for all containers b) Wash and sanitize utensils between containers c) Transfer food by hand to save time d) Keep containers tightly sealed without transferring
27.	<p>How can you cool hot cooked food quickly for storage to prevent bacterial growth?</p> <ul style="list-style-type: none"> a) Leave it on the kitchen counter b) Divide it into smaller portions and use shallow containers c) Seal it tightly in plastic wrap d) Add ice to the food
28.	<p>How can you prevent uneven reheating of food in a microwave?</p> <ul style="list-style-type: none"> a) Set the microwave to the highest power setting b) Reheat it for the shortest time possible c) Use a microwave-safe cover or lid to trap steam and heat evenly d) Place the food in a metal container
29.	<p>How should you reheat liquid-based foods like soups and stews in the microwave?</p> <ul style="list-style-type: none"> a) Use a microwave-safe lid and reheat at a lower power setting

	<ul style="list-style-type: none"> b) Reheat uncovered to prevent spillage c) Place a metal spoon in the bowl while reheating d) Heat at the highest power setting for a shorter time
30.	<p>How should you reheat food in a microwave to prevent it from drying out?</p> <ul style="list-style-type: none"> a) Reheat it for a longer time b) Add extra water or moisture to the dish c) Use the defrost setting d) Leave it uncovered
31.	<p>Which type of thermometer should you use to check the internal temperature of cooked meats to ensure they are safely cooked?</p> <ul style="list-style-type: none"> a) Oral thermometer b) Food thermometer c) Infrared thermometer d) Liquid thermometer
32.	<p>How can you prevent bacterial growth and maintain safe temperatures when storing cooked food in a refrigerator?</p> <ul style="list-style-type: none"> a) Store it at room temperature for short periods b) Keep the refrigerator door open c) Cover and store food promptly d) Store raw meats and cooked foods together
33.	<p>How can you minimize the risk of overcooking high-risk foods?</p> <ul style="list-style-type: none"> a) Use the highest heat setting when cooking b) Cook them for a longer time than recommended c) Use a meat thermometer to check doneness d) Avoid cooking high-risk foods altogether

34.	<p>What is the best way to safely store high-risk foods during a power outage?</p> <ul style="list-style-type: none"> a) Leave them in the refrigerator with the door closed b) Transfer them to an insulated cooler with ice packs c) Place them in the oven d) Store them in the garage
35.	<p>What should you do before storing hot leftovers in the refrigerator?</p> <ul style="list-style-type: none"> a) Leave them on the countertop to cool b) Cover them and let them cool slightly before refrigerating c) Store them uncovered for rapid cooling d) Place them in the freezer to cool quickly
36.	<p>How often should you clean the interior of your refrigerator to prevent bacterial growth?</p> <ul style="list-style-type: none"> a) Once a day b) Once a week c) Once a month d) Regularly, at least every few months
37.	<p>What is the safest method for thawing frozen food?</p> <ul style="list-style-type: none"> a) Leaving it on the kitchen counter b) Thawing it in the refrigerator c) Using a microwave at high power d) Thawing it in a bowl of warm water
38.	<p>How should you thaw food if you plan to cook it immediately after thawing?</p> <ul style="list-style-type: none"> a) Leave it on the kitchen counter to thaw quickly b) Use a microwave at high power

	<p>c) Thaw it in the refrigerator overnight</p> <p>d) Use a microwave at low power</p>
39.	<p>What is the maximum recommended time for storing raw meat in the refrigerator before cooking it?</p> <p>a)1 day</p> <p>b)2-3 days</p> <p>c)3-5 days</p> <p>d)5-7 days</p>
40.	<p>How can you prevent raw meat juices from contaminating other foods in the refrigerator?</p> <p>a)Store the raw meat in an open container</p> <p>b)Place it on the top shelf</p> <p>c)Keep it in its original packaging</p> <p>d)Use sealed containers or bags to contain any drips</p>
41.	<p>Why should you avoid overfilling food storage containers?</p> <p>a)It helps maintain food quality</p> <p>b)It prevents the lids from fitting properly</p> <p>c)It saves space in the refrigerator</p> <p>d)It allows for longer storage</p>
42.	<p>Why is it crucial to ensure that food storage containers are completely dry before storing food in them?</p> <p>a) To save time</p> <p>b) To prevent bacteria from multiplying in moisture</p> <p>c) To make the food taste better</p> <p>d) To reduce the risk of overfilling the containers</p>

43.	<p>Why is it important to label and date food items when storing them in the refrigerator or freezer?</p> <ul style="list-style-type: none">a) To make the food look organizedb) To save time when searching for itemsc) To track the freshness and ensure timely consumptiond) To add decorative labels to the containers
44.	<p>How should you store frozen fruits and vegetables in the freezer to maintain their quality?</p> <ul style="list-style-type: none">a) In an airtight container with no labellingb) In their original packagingc) In a cardboard boxd) In a plastic bag without sealing it
45.	<p>What should you do if the power goes out and you have frozen food in the freezer?</p> <ul style="list-style-type: none">a) Open the freezer door to let in fresh airb) Move the food to the refrigerator immediatelyc) Keep the freezer closed to maintain the cold temperature as long as possibled) Discard all the frozen food

FOOD SAFETY AWARENESS TEST
SCORING KEY

Supervisor: Ms. Aneeta George

Investigator: Anjali Francis

Sl.No.	Answer	Sl.No.	Answer
1	c	24	c
2	a	25	c
3	a	26	b
4	c	27	B
5	c	28	C
6	d	29	A
7	c	30	B
8	c	31	B
9	d	32	C
10	c	33	C
11	b	34	B
12	c	35	B
13	c	36	D
14	a	37	B
15	b	38	B
16	d	39	C
17	d	40	D
18	c	41	B
19	c	42	B
20	b	43	C
21	b	44	B
22	b	45	C
23	c		

SCALE ON RESPONSIBLE BEHAVIOUR

Supervisor: Ms. Aneeta George

Investigator: Anjali Francis

Instructions:

- Read each statement carefully and put the tick mark against your choice.
- For every statement, there are five possible responses: Strongly Agree (SA), Agree (A), Undecided ((UD), Disagree (D) and Strongly Disagree.
- Do not omit any statement
- Your responses will be kept confidential and will be used only for research purpose.

Sl.No	Statements	SA	A	UD	D	SD
1.	I wash my hands before handling food.					
2.	I check expiry dates before using the ingredients.					
3.	I eat perishable food.					
4.	I never use raw or undercooked food.					
5.	I have no idea about the risks involved in food preparation.					
6.	I ignore food safety guidelines.					
7.	I give much importance on keeping the cleanliness of the kitchen and food storage areas.					
8.	I give less importance to dispose spoiled food.					
9.	I don't recycle food packaging and containers.					
10.	I make sure that food I handle is secure for consumption by others.					
11.	I always prioritize the safety of others when handling raw meat.					

12.	I am careless about cross-contamination.					
13.	I try to reduce any risks that could arise when preparing food.					
14.	To keep everyone healthy, I quickly refrigerate leftovers.					
15.	I've served partially cooked food to other people.					
16.	I maintain cleanliness and hygiene in my food storage areas.					
17.	I clean and arrange my refrigerator, rarely.					
18.	I often throw away food containers and packaging without recycling.					
19.	I make sure that everyone in my house or family has access to healthy food					
20.	I add to food waste without any care to reduce it.					
21.	I avoid food related chores or expect others to do them.					
22.	I take a fair division of responsibilities during cooking and cleanup					
23.	I'm careful to use food article effectively and avoid wastage.					
24.	I waste ingredients and don't use them efficiently.					
25.	I promote sharing food resources and reducing food packaging waste.					
26.	I keep fair rules for accessing and consuming stored food.					
27.	I oppose recycling packaging and sharing food resources.					
28.	I ensure that the food is safely prepared at the correct temperatures.					

29.	I put cooked and uncooked food in the refrigerator separately.					
30.	I leave kitchen surfaces dirty after use.					
31.	I keep dishes I've made and ingredients organized and well-kept.					
32.	I put leftovers to waste without exploring creative uses for them.					
33.	I often leave kitchen equipment and tools dirty after use.					
34.	I keep a well-organized refrigerator to prevent food spoilage.					
35.	I make sure to store food correctly to keep it fresh.					
36.	I sometimes neglect food costs.					
37.	I speak up if I see food mishandling.					
38.	I'm willing to promote good hygiene and hand washing.					
39.	I often accept poor food storage to avoid conflict.					
40.	Planning and preparing meals is a task I'm ready to accept.					
41.	I don't have a lot of unique ideas for reducing food waste.					
42.	I could choose not to use reusable and eco-friendly kitchenware.					
43.	I can handle food storage of my house.					
44.	I don't always consider the cost of accessing and storing food.					
45.	I may not always enforce fair food access rules.					

SCORING KEY OF SCALE ON RESPONSIBLE BEHAVIOUR

Supervisor: Ms. Aneeta George

Investigator: Anjali Francis

Sl. No.	SA	A	UD	D	SD
1	5	4	3	2	1
2	5	4	3	2	1
3	1	2	3	4	5
4	5	4	3	2	1
5	1	2	3	4	5
6	1	2	3	4	5
7	5	4	3	2	1
8	1	2	3	4	5
9	1	2	3	4	5
10	5	4	3	2	1
11	5	4	3	2	1
12	1	2	3	4	5
13	5	4	3	2	1
14	5	4	3	2	1
15	1	2	3	4	5
16	5	4	3	2	1
17	1	2	3	4	5
18	1	2	3	4	5
19	5	4	3	2	1
20	1	2	3	4	5
21	1	2	3	4	5
22	5	4	3	2	1

23	5	4	3	2	1
24	1	2	3	4	5
25	5	4	3	2	1
26	5	4	3	2	1
27	1	2	3	4	5
28	5	4	3	2	1
29	5	4	3	2	1
30	1	2	3	4	5
31	5	4	3	2	1
32	1	2	3	4	5
33	1	2	3	4	5
34	5	4	3	2	1
35	5	4	3	2	1
36	1	2	3	4	5
37	5	4	3	2	1
38	5	4	3	2	1
39	1	2	3	4	5
40	5	4	3	2	1
41	1	2	3	4	5
42	1	2	3	4	5
43	5	4	3	2	1
44	1	2	3	4	5
45	1	2	3	4	5

ACADEMIC LIFE SATISFACTION SCALE

Supervisor: Mrs. Aneeta George

Investigator: Sherin Joseph

INSTRUCTIONS:

- Read each statement carefully and put the tick mark on your choice.
- For every statement, there are five possible responses: Strongly agree (SA), Agree (A), Not decided (ND), Disagree (D), Strongly Disagree (SD).
- Do not omit any statement
- Your response will be kept Confidential and will be used only for research purpose.

Sl.No.	Statements	Response				
		SA	A	ND	D	SD
1.	I take pride in the diversity of my ideas.					
2.	I have freedom in my studies.					
3.	I have autonomy in my studies.					
4.	I have lost the ability to excel academically.					
5.	I achieve my academic goals and objectives.					
6.	My knowledge and abilities enhance academic satisfaction.					
7.	Sometimes my grades accurately reflect my efforts.					
8.	I have lost motivation to excel academically.					
9.	My relationships with classmates enhance my academic learning.					

10.	My classmates provide valuable support in academic challenges.					
11.	I feel included or excluded in my peer group.					
12.	My classmates do not always inspire me academically.					
13.	Establishing strong bonds with classmates is easy for me.					
14.	My peers in the group often provide support.					
15.	My teachers are knowledgeable and supportive.					
16.	I receive valuable guidance from my teachers.					
17.	My teachers create an inspiring academic environment.					
18.	I don't receive helpful guidance from my teachers.					
19.	Teaching methods in my courses are attractive and effective.					
20.	Teaching aids contribute to my academic success.					
21.	My courses provide opportunities for collaborative learning.					
22.	My school provides advanced learning resources and materials.					
23.	The school curriculum aligns well with my academic interests and goals.					
24.	Teacher interaction does not enhance my academic satisfaction.					

25.	Course structure supports my learning.					
26.	I am willing to invest more time and effort in improving my studies.					
27.	I have a genuine interest in the subject of this course.					
28.	The course syllabus seems comprehensive and challenging.					
29.	Unclear course structures affect my learning negatively.					
30.	I feel energized during class participation.					
31.	Various extracurricular activities organized by the school satisfy me.					
32.	The school provides opportunities for leadership roles.					
33.	School experiences do not contribute to my personal development.					
34.	Participating in extracurricular activities has positively impacted my growth.					
35.	Involvement in extracurricular activities has enhanced my individual development.					
36.	The school provides information on current affairs.					
37.	School efforts in extracurricular activities and healthful learning are satisfactory to me.					
38.	Scholarships and academic accolades encourage cultural enrichment at the school.					
39.	The school encourages various academic support services.					

40.	Delayed responses to academic inquiries cause frustration.					
41.	I feel dissatisfied with the availability of study facilities at school.					

ACHIEVEMENT TEST IN CHEMISTRY

Supervisor: Ms. Aneeta George

Investigator: Aswathy Thankappan

STANDARD: VIII

SCORE: 20

TIME: 40 Min

Instructions

- The cool off time for chemistry is 5 minutes. Read the questions carefully and understand them during this time.
 - Answer all questions carefully
-

Answer all questions from 1 to 5 each question carries 1 score.

(5*1=5)

1. Which among the following is a chemical change?
 - a) Water is becoming ice
 - b) Burning of firewood
 - c) Melting of wax
 - d) Water is becoming water vapor

2. Find the relation and complete
Mercury cell : watches, Calculators
..... : Laptops, Mobile phones

3. The type reactions to which the neutralization reaction between sodium hydroxide and hydrochloric acid belongs to is (exothermic , endothermic, absorbs light , emits light)

4. Which of the following is an example of a photochemical reaction?
 - a) Burning of wood
 - b) Photosynthesis in plants

- c) Melting of ice
- d) Rusting of iron

5. Which metal is commonly used for electroplating to protect iron and steel from corrosion?

(Zinc, magnesium, copper, gold)

Answer all questions from 6 to 8. Each question carries 2 scores

(3*2=6)

6. Some metals are given.

(Zinc, iron, Magnesium, Copper)

- a) Which one of these metals reacts vigorously with dilute hydrochloric acid? (1)
- b) Which gas is evolved when metals react with dilute hydrochloric acid? (1)

7. Take some silver bromide in two dry watch glasses. Wrap one of these with a black paper both of them in sunlight for some time.

- a) Write the observation (1)
- b) Write the reason for the change (1)

8. Some changes are given below. Classify them into physical change and chemical changes

(2)

(Water changes into water vapor, burning of fire wood, rusting of iron, cutting of firewood into pieces)

Answer all questions from 9 to 12. Each question carries 3 scores

(3*3=9)

9. Potassium permanganate is heated in a dry test tube.

- Which is the gas produced in this reaction?
(1)
- Write the test to identify this gas. Write down your observation
(2)

10.

Nickel cadmium

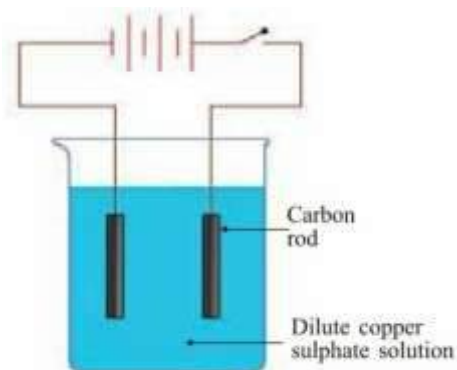
Mercury cell

Dry cell

Lithium ion cell

- Write name of one instrument each in which these cells are used?
(2)
- Which among these cells can be recharged and used?
(1)

11. Arrange the apparatus as in figure and electricity is passed through the circuit. (3)



- What is the change in colour of copper sulphate solution?
- What change do you observe on the carbon rods?
- Which energy form is absorbed here?

MARKING SCHEME OF ACHIEVEMENT TEST

Qn. No.	Sub Qn.	Value points	Sore allotted to value point	Total marks
1		Burning of fire wood	1	1
2		Lithium -ion cell	1	1
3		Exothermic reaction	1	1
4		Photosynthesis in plants	1	1
5		Zinc	1	1
6	a	Magnesium	1	2
	b	Hydrogen	1	
7	a	No colour change observed the silver bromide covered with black colour. Un wrapped silver bromide changes to black in colour. (Any meaningful activity)	1	2
	b	Photo chemical reaction Silver bromide absorbs sunlight and reaction happened	1	
8		Physical change	Chemical change	1
		Water changes into water vapour	Burning of firewood	
		Cutting of wood into pieces	Rusting of iron	
9	a	Oxygen	1	2
	b	Bring a glowing incense stick to the mouth of the test tube. The incense stick glow fairly	1	
10	a	Nickel-cadmium cell – Recharge torch	2	

		Mercury cell-toys Dry cell-clock Lithium-ion cell-mobile		
	b	Nickel cadmium cell, lithium-ion cell	1	3
11	a	The colour of the copper sulphate solution fades	1	3
	b	Copper from copper sulphate deposited on the Carbon rods	1	
	c	Electrical energy absorbed	1	

ACHIEVEMENT TEST IN BASIC SCIENCE

Supervisor: Dr. T. M. Mollykutty

Investigator: Reshma Remesh

Instructions

1. 15 minutes cool off time is given for reading the questions.
2. Read Questions Carefully.
3. Answer all questions.

Class:7

Time: 1 hour

Score: 25

QUESTIONS

Complete the following sentence by filling in the blank space with appropriate terms:

- 1) For transfer of heat through radiation is not necessary. (1)
- 2) Rewrite the following sentences by correcting the underlined word only:
(2)
 - i. Metals are bad conductors of heat.
 - ii. Hatching of eggs in an incubator is by Conduction.
 - iii. Solids expand on cooling.
 - iv. Iron is a poor conductor of heat.
- 3) What do you mean by heat transmission?
(1)
- 4) Classify the following into Good conductors and Poor conductors. (2)
Rubber, Copper, Plastic, Aluminium, Paper, Steel, Wood, Silver

Good Conductors	Poor Conductors

- 5) A gap is left between two rails where they are joined. Can you explain the reason behind this? (2)
- 6) Give two instances where heat is transferred through radiation. (2)
- 7) Write down the working principle of thermometer. (2)
- 8) If you heat a steel spoon at one end, you cannot hold the other end after some time. Give reason.(2)
- 9) At noon, water in deeper areas of a pond is cooler than that at the top. Do you agree with this? Justify your answer.(2)
- 10) What are the precautions to escape the dangers of wind and rain? (2)
- 11) Differentiate between Conduction, Convection and Radiation. (3)
- 12) Differentiate between Sea breeze and Land breeze. (4)

ACHIEVEMENT TEST IN BASIC SCIENCE
SCORING KEY AND MARKING SCHEME

Qn. No.	Scoring Key	Mark	Total				
1	Medium	1	1				
2	i. Metals are good conductors of heat ii. Hatching of eggs in an incubator is by Radiation. iii. Solids expand on heating. iv. Iron is a good conductor of heat.	1/2 1/2 1/2 1/2	2				
3	The flow of heat from one place to another is termed as heat transmission.	1	1				
4	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">Good Conductors</td> <td style="width: 50%; padding: 5px;">Poor Conductors</td> </tr> <tr> <td style="padding: 5px;">Copper Aluminium Steel Silver</td> <td style="padding: 5px;">Rubber Plastic Paper Wood</td> </tr> </table>	Good Conductors	Poor Conductors	Copper Aluminium Steel Silver	Rubber Plastic Paper Wood	1/4 * 8	2
Good Conductors	Poor Conductors						
Copper Aluminium Steel Silver	Rubber Plastic Paper Wood						
5	<ul style="list-style-type: none"> • Little gaps are left between the sections of a railway track. • Because the rails expand on sunny days and contract on rainy days. • If gaps are not left, it may 	1/2 1 1/2	2				

	ruptured.		
6	<ul style="list-style-type: none"> • Heat reaching down from a glowing bulb • Hatching of egg in an incubator 	1 1	2
7	<ul style="list-style-type: none"> • The laboratory thermometer and clinical thermometer work on the basis of the ability of liquids to expand and contract. • Mercury in the thermometer expand on heating and contract on cooling. 	1 1	2
8	<ul style="list-style-type: none"> • The heat is transferred from one end of the spoon to the other end through the process of conduction. • In solids, the molecules are closely packed. • The molecules at the heated end receive heat and transfer the heat to the neighbouring molecules. • There is no change in the position of the molecules. 	1/2 1/2 1/2 1/2	2
9	<ul style="list-style-type: none"> • The sun heats the water surface. • The water at the bottom of the pond stays cool relatively as the heat from the sun's rays does not reach it and heat it as it heats the surface. 	1 1	2

10	<p>i. Early prediction and warning</p> <p>ii. Ensure that everyone is alerted</p> <p>iii. Listen to radio or Tv weather reports regularly during the cyclone season.</p> <p>iv. Do not go to the beach or venture into the sea after warning</p>	<p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1/2</p>	2
11	<ul style="list-style-type: none"> • Conduction: The mode of heat transfer from one end of a material to the other without the actual movement of the molecules. • Convection: The mode of heat transfer by the actual movement of molecules in liquids and gases. • Radiation: The mode of heat transfer from one place to another without the help of a medium. 	<p>1</p> <p>1</p> <p>1</p>	3

12	<p>Sea breeze:</p> <ul style="list-style-type: none"> • During day time, land gets heated fast by the heat of the sun, while sea gets heated slowly. • The air above land gets heated and rises up. • The less heated air from the sea rushes to the land at this time. This is Sea breeze. <p>Land breeze:</p> <ul style="list-style-type: none"> • Land gets cooled faster at night and sea gets cooled slowly. • The air above the sea will expand more than the air above the land and rises up. • The air above the land will blow to the sea. This is Land breeze. 	<p>1</p> <p>1/2</p> <p>1/2</p> <p>1/2</p> <p>1</p> <p>1/2</p>	
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SCALE ON PARENTAL SUPPORT

Supervisor: Dr.T.M.Mollykutty

Investigator: Anu Maria Dominic

Instructions

- Read each statement carefully and put a tick mark against your choice.
- For each statements the possible responses are divided into five alternatives which are Strongly Agree, Agree, Undecided, Disagree, Strongly Disagree.
- Your responses will be kept confidential and will be used only for research purposes.
- Do not omit any statements.

Sl.No	Statements	SA	A	UD	D	SD
1.	My parents don't listen to me when I speak.					
2.	My parents are good role models for me.					
3.	I enjoy assisting family in household tasks.					
4.	My parents have created a creative space at home to help me improve my skills.					
5	My parents encourage me to read and learn new things.					
6.	At home, I am encouraged to share my ideas and opinions.					
7.	My family appreciates the help I provide at home.					
8.	My parents limit my activities outside the school.					
9.	Parents' support aids timely completion of assignments at home.					
10	I don't receive guidance from my parents when facing challenges at school.					

11.	I get books and learning materials at home.					
12.	Receiving parental assistance at home helps me grasp challenging subjects.					
13.	My parents motivate me to be socially responsible.					
14.	I think learning about society at home is important for me to grow as an individual.					
15.	My family excludes me from planning family celebrations.					
16.	My school values my opinions and ideas without Parental Involvement.					
17.	My parents have good conversation with me.					
18.	I don't receive much praise for my chores at home.					
19.	Parental guidance in home helps me to foster my social responsibility.					
20.	My parents help me to set realistic goals for my academic success.					
21.	My family discusses important decisions with me.					
22.	My parents make me feel comfortable to share my ideas with the community.					
23.	Students aren't asked for school event ideas.					
24.	I think my school doesn't care about my opinion and I need my parents to fix it.					
25.	My family asks for my opinions when planning family activities.					
26.	My Parents prevent me from joining societal discussions.					
27.	Our school participates in local cleanups and					

	environmental initiatives.					
28.	My parents are actively involved in my activities outside the school.					
29.	I have space at school where I can study.					
30.	My parents' support in school positively impacts my education.					
31.	My parents actively participate in community-related discussions at school.					
32.	Parents don't encourage my participation in community meetings..					
33.	My school supports students in volunteering with their parents' help.					
34.	Parents keeps me involved in community activities.					
35.	My family often interacts with neighbours to build a stronger community.					
36.	My school actively engage parents in the school community partnership to support the child.					
37.	Parents inspire me to participate in class discussions and activities.					
38.	Parents often help me to address common challenges in our society.					
39.	I feel proud when I see the support from my parents makes a positive difference in the community.					
40.	Parents' involvement keeps our society united.					

SCALE ON EDUCATIONAL ASPIRATIONS

SCORING KEY

SI.No	Strongly Agree	Agree	Undecided	Disagree	Strongly Disagree
1.	5	4	3	2	1
2.	5	4	3	2	1
3.	5	4	3	2	1
4.	5	4	3	2	1
5.	5	4	3	2	1
6.	1	2	3	4	5
7.	5	4	3	2	1
8.	5	4	3	2	1
9.	5	4	3	2	1
10.	5	4	3	2	1
11.	5	4	3	2	1
12.	1	2	3	4	5
13.	5	4	3	2	1
14.	1	2	3	4	5
15.	5	4	3	2	1
16.	5	4	3	2	1
17.	5	4	3	2	1
18.	1	2	3	4	5
19.	5	4	3	2	1
20.	5	4	3	2	1
21.	5	4	3	2	1
22.	5	4	3	2	1
23.	5	4	3	2	1
24.	5	4	3	2	1
25.	5	4	3	2	1

26.	1	2	3	4	5
27.	1	2	3	4	5
28.	5	4	3	2	1
29.	5	4	3	2	1
30.	5	4	3	2	1
31.	5	4	3	2	1
32.	5	4	3	2	1
33.	5	4	3	2	1
34.	5	4	3	2	1
35.	5	4	3	2	1
36.	5	4	3	2	1
37.	5	4	3	2	1
38.	1	2	3	4	5
39.	5	4	3	2	1
40.	1	2	3	4	5

SCALE ON EDUCATIONAL ASPIRATIONS

Supervisor: Dr.T.M.Mollykutty

Investigator: Anu Maria Dominic

Instructions

- Read each statement carefully and put a tick mark against your choice.
- For each statements the possible responses are divided into five alternatives which are Strongly Agree, Agree, Undecided, Disagree, Strongly Disagree.
- Your responses will be kept confidential and will be used only for research purposes.
- Do not omit any statements.

Sl.No	Statements	SA	A	UD	D	SD
1.	I do artistic things at home.					
2.	I like to discover and learn about new things in school.					
3.	I want my home to be a place where everyone respects and includes each other.					
4.	I enjoy finding and using budget-friendly ways to improve my home.					
5.	I want to go to a really good school.					
6.	I don't like to show my own craft work to friends and family.					
7.	I enjoy exploring a variety of topics for my school assignments.					
8.	I consider my academic strengths and weaknesses when setting goals.					
9.	I want my home to be a place where friends and family feel comfortable.					
10.	I think having aesthetic elements in my home					

	makes my life better.					
11.	I think my school has a big impact on who I am.					
12.	I am not willing to make an effort for a highly hospitable status.					
13.	I enroll in art classes and participate in school events.					
14.	My parents do not encourage innovation and creativity.					
15.	I am ready to do things that help to make society better.					
16.	I am motivated to do well in school when it comes to art-related subjects and assignments.					
17.	I want to be a leader who has an impact on society.					
18.	I don't seek information and reports on social issues.					
19.	My teachers foster a culture of innovation and creativity.					
20.	I want to reach my family goals quickly.					
21.	I am happy with my current home technology.					
22.	I stay patient and motivated when societal progress is slow.					
23.	I believe that a strong educational foundation is the key to a successful future.					
24.	I like to participate in debates related to social problems.					
25.	There is a positive attitude towards risk-taking and innovative training in society.					
26.	I feel unhappy to follow traditional social norms and values.					
27.	I rarely seek advice from parents in decision making at home.					

28.	My school often invites successful entrepreneurs to share their experiences.					
29.	Creativity is highly regarded by people in my community.					
30.	I plan my education based on what I like and what I can do.					
31.	I appreciate how art helps to preserve and honor our cultural heritage.					
32.	My school fosters strong work ethics among students.					
33.	My family provides me with advice in ordinary careers.					
34.	I think investigative skills can make a positive impact on society.					
35.	I believe that traditional educational institutions are vital for personal growth.					
36.	Society places importance on strong work ethics and initiatives.					
37.	I am excited to use my talents to make a positive impact on society.					
38.	My parents place a strong emphasis on ordinary goals.					
39.	My family encourages pursuing traditional career paths.					
40.	I often set goals that are too ambitious and beyond my abilities.					

SCALE ON EDUCATIONAL ASPIRATIONS

SCORING KEY

Sl. No.	Strongly Agree	Agree	Undecided	Disagree	Strongly Disagree
1.	5	4	3	2	1
2.	5	4	3	2	1
3.	5	4	3	2	1
4.	5	4	3	2	1
5.	5	4	3	2	1
6.	1	2	3	4	5
7.	5	4	3	2	1
8.	5	4	3	2	1
9.	5	4	3	2	1
10.	5	4	3	2	1
11.	5	4	3	2	1
12.	1	2	3	4	5
13.	5	4	3	2	1
14.	1	2	3	4	5
15.	5	4	3	2	1
16.	5	4	3	2	1
17.	5	4	3	2	1
18.	1	2	3	4	5
19.	5	4	3	2	1
20.	5	4	3	2	1
21.	5	4	3	2	1
22.	5	4	3	2	1
23.	5	4	3	2	1
24.	5	4	3	2	1
25.	5	4	3	2	1

26.	1	2	3	4	5
27.	1	2	3	4	5
28.	5	4	3	2	1
29.	5	4	3	2	1
30.	5	4	3	2	1
31.	5	4	3	2	1
32.	5	4	3	2	1
33.	5	4	3	2	1
34.	5	4	3	2	1
35.	5	4	3	2	1
36.	5	4	3	2	1
37.	5	4	3	2	1
38.	1	2	3	4	5
39.	5	4	3	2	1
40.	1	2	3	4	5

ACHIEVEMENT TEST IN SOCIAL SCIENCE

Supervisor: Dr. T.M.Mollykutty

Investigator: Meenakshi Anilkumar

Time:1hr

Score :25

Answer the questions in one word

(3x1=3)

1. Which ocean is known as southern ocean?
2. What is called Strait?
3. Give an example for Island?

Answer the questions from 5to 8

(4x2=8)

4. What are the difference between islands and peninsula?
5. What are the conditions leading to variations in salinity?
6. Write the Inter relationship with the density temperature and salinity of seawater?
7. What is called wave crests and wave trough?

Answer the questions from 9to 11

(3x3=9)

8. Write a short note on spring tides and Neap tides? With diagram
9. Evaluate the reasons for the occurrence of tides?
10. What are the effects of tides? Analyse with example.

Answer the question

(1x5)

11. Analyse Oceans play an important role in human life and the environment justify.

SCORING KEY AND MARKING SCHEME

Qn. No.	Scoring Key	Mark
1	Antartic Ocean	1
2	Narrow stretch of sea between two land masses	1
3	Japan	1
4	Islands are surrounded by sea on all sides . The land mass surrounded by sea on three sides is called Peninsula	2
5	Most differences in salinity are due to variations in evaporation, precipitation, runoff, and ice cover.	1
	All of these process occur at the ocean surface, not at depth, so the most pronounced differences in salinity should be found in surface waters	1
6	The density of sea water is not uniform everywhere this is due to the variations in salinity and temperature of seawater density decreases as temperature increases and it increases as salinity increases temperature salinity and density of sea water are not uniform everywhere.	2
7	The summit of the wave is known as wave crust And the bottom part is known as wave trough	2
8	The spring tide is where the sun and the moon align to create the greatest gravitational pull on the sea. This is because both the sun and the moon have combined greater gravitational force which pulls the sea towards them. A tide just after the first or third quarters of the Moon	3

	<p>when there is least difference between high and low tides is called Neap tide. During this, the Moon and the Sun are at right angles to the earth. As a result, the high tides are not too high, and the low tides are not too low.</p>	
9	<p>Gravitational force and Centrifugal force</p> <p>1. Gravitational pull of the Moon : The Moon's gravitational force affects the Earth's oceans, causing them to bulge out toward the Moon. As the Earth rotates on its axis, different parts of the Earth experience varying degrees of gravitational pull from the Moon, resulting in two high tides and two low tides roughly every 24 hours and 50 minutes.</p> <p>2. Gravitational pull of the Sun: Although the Sun is much further away from the Earth compared to the Moon, its gravitational force also influences the tides. When the gravitational pull of the Sun and the Moon align, it results in spring tides, which are higher high tides and lower low tides. When the gravitational pull of the Sun and the Moon are at right angles to each other, it results in neap tides, which are lower high tides and higher low tides.</p> <p>3. Centrifugal force: As the Earth and the Moon orbit around their common center of mass (barycenter), there is a centrifugal force acting outward from this center. This force contributes to the bulging of water on the opposite side of the Earth from the Moon.</p>	<p>1</p> <p>1</p> <p>1</p>
10	<p>Tides prevent the blocking of ports with sediments. Ships even move their craft to the port at high tides.</p> <p>Tidal force helps to generate electricity. Tidal force helps in maintaining coastal biodiversity and mangroves.</p> <p>Power Generation</p>	<p>1</p> <p>1</p> <p>1</p>

11	Mineral deposits	1
	Climate	1
	Navigation purpose	1
	Source of food	1
	Drinking water from sea, Job opportunities, Tourism	1
	Total	25

VOCABULARY TEST IN ENGLISH

Supervisor: Dr. Shalby P. Jose

Investigator: Athira Jose

Class 7

Time 1 hour

Marks :25

Instructions:

- 15 minutes cool of time is given for reading the questions
- Read Questions Carefully
- Answer all questions
- Each question has four options
- All questions carry one mark each
- There is no negative mark for the wrong answer.

Questions:

-
1. What does "impatient" mean in the sentence, "Sometimes she was very impatient with him..."?
 - A. Happy
 - B. Annoyed
 - C. Tired
 - D. Excited

 2. In the sentence, "The cup, falling from his hands, broke into many pieces," what does "falling" mean?
 - A. Rising
 - B. Dropping
 - C. Floating
 - D. Spinning

3. **What is the meaning of "careless" in the sentence, "She didn't want her dishes broken just because he had become so careless"?**
- A. Cautious
 - B. Thoughtful
 - C. Reckless
 - D. Careful
4. **What does the word "vivid" mean?**
- A. Dull
 - B. Bright and clear
 - C. Quiet
 - D. Slow
5. **In the sentence, "The teacher praised his diligence," what does "diligence" mean?**
- A. Laziness
 - B. Hard work and careful effort
 - C. Boredom
 - D. Playfulness
6. **Unscramble the letters "snaow" to form a word that means a cold, white, and fluffy form of precipitation.**
7. **Unscramble the word "elphnaet" to find a word that represents a large, gray mammal with a long trunk and tusks.**
8. **Rearrange the letters "eckab" to create a word that describes a piece of baked dessert often served on special occasions.**

9. Rearrange the letters in "resatific" to form an appropriate word.

- A. Fractise
- B. Fairsect
- C. Crafties
- D. Satisfice

10. Unscramble the word: "neirntvrnem" to find the appropriate word.

- A. Overmint
- B. Vironmete
- C. Environment
- D. Vermonite

11. Unscramble the word: "rawd" to find the appropriate word.

- A. Draw
- B. Ward
- C. Word
- D. Road

12. What is the feminine form of "lion"?

- A. Lioness
- B. LionetteLionessess
- C. Lionessy

13. What is the plural form of "child"?

- A. Children
- B. Childs
- C. Childers
- D. Childdies

14. What do we call a device used to capture images and make photographs?

- A. Television
- B. Camera
- C. Telephone
- D. Computer

15. Who is a famous character known for wearing a red and white striped hat and always getting into adventures?

- A. Santa Claus
- B. The Easter Bunny
- C. The Cat in the Hat
- D. The Tooth Fairy

16. Which word sounds the same as "knight," but means the period of darkness between sunset and sunrise?

- A. Night
- B. Nit
- C. Kite
- D. Knight

17. What word sounds the same as "deer," but means very close to one person?

- A. Dear
- B. Dare
- C. Tier
- D. Tear

18. What word sounds the same as "peace," but means to cut something into small parts?

- A. Peace
- B. Piece
- C. Peas
- D. Pies

19. What is a synonym for "careless" as used in the story?

- A. Cautious
- B. Thoughtful
- C. Reckless
- D. Careful

20. What is a synonym for "angry" when Robertino's mother spoke angrily to the old man?

- A. Joyful
- B. Sad
- C. Upset
- D. Furious

21. Which word is an antonym for "careful" when Robertino's mother didn't want her dishes broken?

- A. Thoughtless
- B. Cautious
- C. Reckless
- D. Considerate

22. Rearranges correctly

had	Grandfather	Live	To	come
-----	-------------	------	----	------

23. Rearranges correctly

she	Some Times	Very	Was	Impatient
-----	------------	------	-----	-----------

24. Complete the sentence: "She wore a warm _____ during the cold winter."

- A. Hat
- B. Watermelon
- C. Bicycle
- D. T-shirt

25. Complete the sentence: "The children played happily in the _____."

What word can replace "happily"?

- A. Darkness
- B. Silence
- C. Playground
- D. Rain

ANSWER KEY

Sl. No	Answers	Marks
1	b	1
2	b	1
3	c	1
4	b	1
5	b	1
6	Snow	1
7	Elephant	1
8	Cake	1
9	d	1
10	c	1
11	a	1
12	a	1
13	a	1
14	b	1
15	c	1
16	a	1
17	a	1
18	b	1
19	c	1
20	d	1
21	c	1
22	Grandfather had to come to Live	1
23	Sometimes she was very impatient	1
24	a	1
25	c	1