One may wish to develop the following concept. In this case the concept should be properly referenced both in-text and at the reference section.

1	With a numerical example, explain the concept of quantitative research
2	Develop the concept of quantitative research, study designs and methods
3	Develop the concept of analysis and interpretation of quantitative data
4	Develop the concept of critical appraisal of quantitative research
5	With numerical examples and proper referencing, develop the concept of qualitative research
6	Develop the concept of qualitative research, study designs and methods
7	Develop the concept of analysis and interpretation of qualitative data
8	Develop the concept of critical appraisal of qualitative research
9	What do you understand by mixed methods research, study designs and methods? Develop this concept in details with appropriate referencing
10	Develop the concept of analysis and interpretation of mixed methods data
11	Develop the concept of critical appraisal of mixed methods research
12	With a comprehensive explanation, what is the role of research and research process overview
13	Explain in details with good numerical examples and proper referencing; secondary data collection methods, qualitative methods of data collection, and survey methods of data collection
14	With a good numerical examples and proper referencing; describe the concept of attitude measurement and scaling
15	With a good numerical examples and proper referencing write in details the types of measurement scales.
16	With a good numerical examples and proper referencing describe the concept of reliability and validity
17	Explain in details with good numerical examples and proper referencing qualitative

	methods of data collection
18	With a good numerical examples and proper referencing write in details the method questionnaire designing

Life and Medical Sciences

1. What technologies are in development to help people who are paralyzed?
2. How does sleep deprivation affect health?
3. Should sugar be regulated like a drug?
4. What are the benefits and disadvantages of individual genome profiling?
5. What is the Human Connectome Project and how will mapping of the human brain contribute to scientific knowledge?
6. Are some cancers caused by genes?
7. Who are the Denisovans and how does their discovery alter our view of human evolution?
8. Can we develop an anti-cancer vaccine?
9. What can we do about crops which absorb toxins, such as the recent discovery of arsenic-tainted rice?
10. What is the ideal weight for longevity? What is the connection between diet and lifespan?
11. What is Methicillin-resistant Staphylococcus aureus (MRSA)? Are we really in a post-antibiotic era as the CDC recently announced? What does this mean?
12. Should scientific publication and grant systems be changed to give private citizens and younger scientists a voice if they have good ideas?
13. Which diet choice is better: low fat, low sugar, or low carbs?
14. How can polio be eradicated? Why has the disease resurfaced?
15. How important are the bacteria living in your bowels?
16. How close are computers to mimicking the human brain?
17. How can video games be used to solve scientific problems?
18. Do cell phones or microwaves cause cancer?
19. Is stem cell research ethical?
20. Is health care ready for the routine screening of patient DNA?
21. What is a chimera and how could it help stem cell research?
22. What are the potential benefits and risks of stem cell research?
23. Are microbes that create chemicals and antibiotics going to help us prevent infections?
24. What is the best treatment for leukemia?
25. Can scientists cure diseases by building new organs?
26. What is gene therapy?
27. What causes skin cancer?
28. What is the best strategy for people to avoid getting cancer?
29. Which cancers are we closest to finding cures for?
30. What has been the impact of colonoscopy testing on colon cancer rates?
31. Why do so many women get breast cancer?
32. Why is malaria such a difficult disease to eliminate?
33. Will global warming make tropical diseases like malaria and dengue fever travel north?
34. What is the best strategy to slow the transmission of sexually transmitted diseases?