

1. What is your name?
2. What University have you graduated from? (What is your background?)
3. What are you?
4. Where do you work?
5. How many Institutes does the Kola Science Centre include?
6. Who manages the Institute (the lab) you work at? (Who is the head of the lab?)
7. What is the main orientation of the laboratory you work at?
8. What researches is the Institute (the laboratory) engaged in now?
9. What studies do the scientists of the Institute (the laboratory) conduct (carry out)?
10. How many post-graduates are studying at the Institute (the laboratory)?
11. What is the every day activity you carry out at the laboratory?
12. What kind of experiments do your associates carry out?
13. Is your laboratory equipped with up-to-date instruments and apparatus?
14. What problems do you face in your research activity?
15. What narrow field of science do you deal with?
16. Why do you prefer this field of science to any other?
17. What is the subject of your research (theses, dissertation)?
18. What is the aim of your research?
19. Why have you chosen this subject?
20. Is the subject of your research actual?
21. What is the novelty of your research?
22. Where could the results of your research be applied?
23. Are the results of your investigations of practical use?
24. Where have your papers been published?
25. What do they deal with?
26. Have you ever delivered your paper (s) at any scientific gathering in English?
27. What was it devoted to?
28. Are scientific gatherings of great importance for scientists?
29. How often do you have to report to the Scientific Council the results of your research?
30. Who is your scientific supervisor?
31. How does your scientific supervisor assist you in your research?
32. What have you already managed to fulfill in your research?

1. You have read a number of articles in English. Are these articles somehow related to the subject of your research?
2. What is the most interesting (important, noteworthy) article in your list of literature?
3. Give a brief account of this article. Why is it the most interesting (noteworthy) one?
4. Have you borrowed any information useful for your scientific work? If so, what (kind of) information can be used for your research (for your future theses)?
5. Are there any methods or experiments described in the article?
6. Will (would) you describe the method you remember? Can it be used in your work?
7. Do you have the device or equipment to do this method or you lack some of them?
8. What conclusions are made at the end of this article?
9. Have you encountered this information anywhere when a student or is it quite new for you?
10. Are there any journals at the library useful for your research?
11. Is it difficult or easy to find articles in English dealing with your subject?
12. What do you think about the role of foreign languages in science?

Variant 4

1. The progress in chemistry was followed by the development of the factory production of technical ceramics, paints and so on.
2. Earlier radar observations had already found Mercury's surface to be being cratered.
3. To miss the opportunity of choosing the road of peace for all countries would be a crime.
4. There are two main methods for scientists to communicate with each other.
5. If computers could speak, they would give many useful new tasks.
6. Great attention is also paid to improving the quality of housing.
7. It is surprising that scientific policy in some countries should conflict with the interests of the people engaged in research work.
8. Water reacts violently with sodium to give chemicals widely used in industry.
9. The boundary having been extended, Moscow has become a city with the largest area in the world.
10. Physical, particularly spectroscopic, methods proved to be very helpful in the investigation of many reaction mechanisms.
11. The better the experimental techniques, the more reliable are the results.
12. Such a value for the mass of the neutron is to be expected if the neutron consists of a proton and an electron.

Variant 3

1. The higher you fly above the Earth's surface, the thinner the atmosphere becomes.
2. Germany being one of the coal-producing countries in Europe, it is quite natural that coal has been the main fuel for power production there.
3. If the new method of computation had been applied earlier, we should have succeeded in obtaining more exact data.
4. Automation is known by everyone to have reduced the demand for a new type of labour.
5. The scientists believe some rocks to have been destroyed by glaciation.
6. Our efforts should be concentrated on improving productivity of labour in agriculture.
7. Long ago, people living near the Atlantic oceanic coast noticed that the level of the ocean would rise and fall twice every day.
8. For a long time men thought the ocean-bed to be smooth but later on they learned that under the sea there were huge mountains, volcanoes and plains.
9. Charles Darwin was the first to write about coral formations.
10. A substance that increases the rate of a chemical reaction without being used in the reaction is called a catalyst.
11. Dictionaries are like watches: the worst is better than none and the best cannot be expected to be quite true.
12. The safety of the laboratory personnel should be considered, particularly, when explosive compounds might result from reactions.

Variant 5

1. As evidenced by recent observations, the life of aquatic animals is influenced by the gravitational field of the Moon.
2. The main task for the 12-th Five Year plan is to secure the steady growth and improvements of the system of social production.
3. The ocean is expected to supply with every known element necessary for practical purposes.
4. The greater the efforts of scientists, the more profound are the consequences.
5. The pressure to be measured may be that of air, steam, water, oil and many other liquids and gases.
6. Power is the basis of civilization, all industry and transport being dependent upon power in some form.
7. It is very difficult for archeologists in the absence of written information to trace the history of the Earth.
8. As postulated by the theory the Continent split apart to form a new ocean about 4 million years ago.
9. The Moon materials can be used in solar power satellites, in further forecasting projects.
10. Our country's economy keeps expanding from year to year.
11. Ecologists suggest the rich countries should increase their efforts for conservation of forests.
12. When used, electronic computers can be of great value for research workers in various branches of science.

Variant 2

1. Recent research has shown the nucleus to be a complex structure.
2. The solution of the problem being extremely difficult, we should do our best to find a way out.
3. Laboratory training in structural geology is considered to consist in constructing maps, cross-sections, block diagrams and the like.
4. Whether economics should be regarded as an art or science has always been a matter for argument.
5. Scientists discovered that cosmic rays surrounded the Earth in two zones of high-intensity radiation, the boundary of the outer zone being as far as 55.000 km from the Earth's surface.
6. The required information about radiation, overload and physiological fluctuations could be obtained from animals and instruments without sending a man in a rocket.
7. After 1962, it was universally accepted that Mars had, in fact, two satellites, but it was not until fifteen years later that they were suddenly observed and recorded.
8. We should have certainly gone on the expedition if our experiments had taken less time.
9. Einstein's being awarded the Nobel prize in physics soon become widely known.
10. Every socialist country is interested in assisting the development of others and thereby strengthening the entire socialist camp.
11. Russian scientists predict that under favourable conditions there is no reason why most people should not live to a hundred and fifty.

Variant 6

1. Democritus thought all matter to be made by fusing small indispensible particles together.
2. The only practical thing for oceanographers to learn is how the water movements are governed by atmospheric pressure.
3. Water is the most abundant of all chemical compounds, five seventh of the earth's surface being covered with it.
4. To defend the gains of socialism, the peaceful labour of the Soviet people, the USSR maintains its armed forces.
5. A supernova, the catastrophic explosion of a massif star, is believed to occur in a galaxy about twice a century.
6. If placed in different localities, the weight of a body varies.
7. In the measurements of ultraviolet absorption spectra, it is desirable that the source of illumination should be continuous.
8. Recent discoveries in all sciences have been greatly assisted by the developments in contemporary research techniques.
9. Soviet proposals on disarmament aid in establishing peace and progress in the whole world.
10. If nature had provided no way to accelerate chemical reactions, our modern technological society could not have arisen.
11. Before sunlight reaches the atmosphere, it must also pass through the earth's atmosphere.
12. The greater the molecular velocity, the higher is the temperature of the body.

Variant 7

1. The first phase of research having been completed, the results gained in the study were published.
2. Many powerful electric stations are known to be under construction now, it being necessary to electrify the remotest corners of our country.
3. Scientists found natural radioactive materials to emit three kinds of rays capable of affecting the photographic plate.
4. In carrying out the plan of launching space ships we had to solve many different problems.
5. If I were given the opportunity to take part in the expedition, I should be very glad.
6. Electronic computers are the only kind of machines with which one could hope to translate one language to another.
7. Electronic computers have been taught to play chess, to forecast the weather, to find out what is happening in the depths of distant stars.
8. The Periodic System of Elements enabled scientists to do what they would not risk doing before.
9. It was due to nuclear chemistry that the blank spaces in Mendeleev Table were finally filled.
10. If we gathered together the greatest chemists of the world and asked them how many chemical compounds in the elements of the Periodic System form, they would be unable to give any answer.
11. Perhaps it is true that the richer a country is, the more clearly is the need for elements of planning in scientific progress.
12. The qualitative examination of an organic compound is followed by quantitative.

Variant 9

1. The best practical results have been achieved in the field of research into global environmental processes by the World Meteorological Organization.
2. The peoples of the world rely on the United Nation Organization being able to fulfill its duty.
3. The first recorded contacts between man and dolphin may be given by Aristotel.
4. Watson and Crick are known to have discovered the structure of DNA.
5. It is very important for biologists to keep in touch with physicists.
6. The more material is affected by corrosion, the more care must be taken.
7. We expect the solar station to look very different from the usual power plant.
8. The Sun is the first order to be studied by rocket astronomy.
9. Viruses in their simplest form are nucleoproteins, the nucleic acid carrying the greatest information.
10. When viewed as a whole the present environmental situation is not hopeless.

Variant 10

1. All peace-loving people consider the principle of self-determination to be the right of every nation to build the political, economic and social order of its own.
2. Nuclear-free zones in various parts of the world must be established
3. If an agreement on the ending of all nuclear tests reached, it would be important step toward ensuring peace.
4. Having abolished colonialism the peoples of Africa oppose all the attempts of imperialists to go on plundering them.
5. The Soviet Union assumes the obligation not to be the first to launch any kind of anti-satellite weapon into outer space.
6. It is significant for all peace fighters to consolidate their ranks.
7. The Warsaw Treaty proposed the principles of friendship, cooperation and mutual assistance between the socialist countries, with realistic measures designed to strengthen international security.
8. To deprive the newly free countries of the independence which they have won the imperialists resort to colonial wars, military alliances and economic pressure.
9. The participants of the Afro-Asian Conference accused the imperialists for their interfering in the internal affairs of these countries.
10. All attempts of colonialists and imperialists to suppress the national liberation struggle are believed to fall.

Variant 87 (Geology)

1. The photogeological study also attempted insofar as possible to identify suitable lithological environments for the formation of sedimentary uranium deposits, particular emphasis being placed upon alternating sequences of fluvial sandstones containing organic debris and argillaceous horizons.
2. The question as to whether effort should be directed toward the identification of specific anomalous features or "targets" associated with mineralization, or toward the conceptual modeling of regional geological and metallogenic processes, in order to logically define the area most prospective for exploration, remains a fundamental dichotomy in the planning of mineral exploration.
3. Interpretation of the aeromagnetic data shows magnetic belts thought to represent infolded metasedimentary horizons which contain banded iron formations and amphibolite, comprising part of the Lower Proterozoic cover sequence.
4. Admittedly there are instances in which the depths of superficial cover and relatively sparse outcrop do restrict the application of photogeological techniques.
5. Given adequate field investigation of areas mapped by photogeological techniques, the results are often superior to those achieved by conventional mapping alone.
6. The purpose of this paper, therefore, is to show how important a good image data base and image mosaics can be in developing an exploration strategy that will lead to the discovery of new mineral and energy resources.
7. Such vital resource needs must either be imported from foreign sources or they must be found and developed at home.
8. Never has any country previously provided information of greater use to the mineral prospector than this set of maps as a basis for future exploration.
9. But if direct methods of attack are theoretically impossible with current technology, should we not examine indirect approaches such as the anomalously quick melting of snow, or the anomalously high mean annual temperatures that occur in selected areas?
10. He postulates that these fields might have been discovered earlier had Landsat type-data been available prior to the exploration programs eventually found them.

Variant 51 (Polar Geophysics, Physics)

1. The achievement of a practical fusion-power reactor would have a profound impact on almost every aspect of human society.
2. Atoms being held together by electromagnetic forces, their electromagnetic properties can be accurately predicted.
3. For such studies to be made one must obtain a crystal whose surface is perfectly clean and one must be able to keep it clean long enough for the desired experiment to be carried out.
4. Studying the properties of matter leads to information which is of practical value to both the physicists and the engineers.
5. Other suggestions are likely to appear in coming months as physicists try to explain the absence of the solar neutrinos.
6. The evidence interpreted in this way, seems hardly strong enough to be accepted.
7. One expects phonons to be strongly scattered at the boundaries, as indeed they are.
8. There are a number of advantages to be gained from using a liquid as the active medium in a laser rather than a solid or a gas.
9. Usually no one can tell what practical effect the study of any phenomenon or process might bring.
10. It would seem that the nucleus would be more stable if it were made up of neutrons.

Variant 93 (Computer Science)

1. We demonstrated that these results held for all the operating regimes of the device.
2. For example, the programmer should not be concerned with how a program is partitioned into concurrently executable pieces, nor should he have to consider the number of processors comprising the system.
3. The position we shall take here is that all stages may and do go on simultaneously.
4. For many physical phenomena no exact concepts exist other than mathematical ones.
5. Each component of that unit is analyzed to see if it can corrupt the operation of the units that it is connected to.
6. It is the user who is to select the operations to be performed and the way to perform them.
7. Obviously, the more possibilities there are and the more analyses required, the longer it will take the computer to move.
8. Remind that extra device faults need only to be considered for those inputs which do not affect the faulty-free product term.
9. The universe seems to be made up of sets of systems contained within one somewhat higher.
10. Should extreme stability gain be required, it can be achieved without degrading the noise figure.
11. In the formulation, a key feature is that we allow some modules to be fixed in position.

Variant 97 (Any Field of Science or Humanitarian)

1. Candidates are not expected to have had prior training in the subject which is dealt with by the department to which they are applying.
2. The writer is competent to handle the questions from a scientific point of view, and he has certainly started some positions which are worth considering independently of his main proposition. It is desirable, therefore, to consider various parts of the theories separately so as to see how much can be accepted.
3. The classification proposed here has the advantage of being relatively simple.
4. So far, a model which makes more realistic assumptions does not appear to have been devised.
5. However scientifically important it may be to point this out by itself, the statement is so obvious as to have little interest.
6. One is forced to compromise and admit the possibility of a three-fold origin, possibly simultaneous but probably successive, and it is with the exact part played by each component that modern investigation has mainly occupied itself.
7. Consequently, I wish to apologize in advance to those workers in this field to whom I fail to give adequate notice of and credit for their contribution.
8. But if one tried to define a mouse in relation to the whole universe, one would be in trouble.
9. But on present evidence this problem seems unlikely to detract seriously from the general usefulness of the method.
10. Whether or not this is true may not be particularly important in itself.