INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION YOU SHOULD CHECK THAT THE TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC, IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.

2. Please note that it is the candidate’s responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate place in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.

3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. DO NOT write anything else on the Test Booklet.

4. This Test Booklet contains 80 items (questions). Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each item.

5. You have to mark all your responses ONLY on the separate Answer Sheet provided.

6. All items carry equal marks.

7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.

8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the invigilator only the Answer Sheet. You are permitted to take away with you the Test Booklet.

9. Sheets for rough work are appended in the Test Booklet at the end.

10. Penalty for wrong Answers:
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
(i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.

(ii) If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above to that question.

(iii) If a question is left blank, i.e., no answer is given by the candidate, there will be no penalty for that question.
It often appears that we have more to gain by speaking than by listening. One big advantage of speaking is that it gives you a chance to control others' thoughts and actions. Whatever your goal is, the key to success seems to be the ability to speak well. Another apparent advantage of speaking is the chance it provides to gain the admiration, respect, or liking of others. Finally, talking gives you the chance to release energy in a way that listening can't. In the same way, you can often lessen your anger by letting it out verbally.

1. According to the passage, speaking can result in
   (a) decreasing anger
   (b) increasing stress
   (c) loosing admiration of others
   (d) decreasing excitement

2. As it is stated in the passage, speaking
   (a) has advantages over listening
   (b) doesn't help one to release harmful emotions
   (c) like listening has many advantages
   (d) is as equally important as listening is

3. The article is mainly about
   (a) why keeping quiet cannot help others solve their problems
   (b) how to let your anger out by speaking
   (c) the advantages and disadvantages of both speaking and listening
   (d) the advantages of speaking

A book has just been published to help parents to deal with their children's naughty behavior at home. The author, Dr James Bruno, says that the first positive discipline technique is for parents to remain calm because nervous parents don't get good results. Parents who cannot often remain calm find that their children stop taking any notice of them. The second challenge is to know how to correct bad behavior in an effective way. For instance, punishing children by preventing them from watching their favorite TV program is not an ideal solution. Dr Bruno believes parents should establish clear rules for children to follow. If children refuse to follow these, they know they will be disciplined. Finally, the most effective way of encouraging good behavior is to give positive feedback as often as possible, to show that it is not only naughtiness that attracts attention.

4. According to the article, when parents get angry too often,
   (a) they yell at their children to make them obey an order
   (b) they tell them off in front of their friends
   (c) children often act as if they didn't hear them
   (d) they utter increasing number of verbal warnings

5. The author of the book seems to suggest that in order to discipline children, parents first of all should
   (a) find an effective way to correct their children's behaviour
   (b) treat them as harshly as possible
   (c) stop beating them
   (d) not lose their temper

6. We learn from the reading that
   (a) clear rules which are set by the parent must be followed by the children unconditionally
   (b) restricting the activities that children like doing is not useful when disciplining a child
   (c) giving feedback all the time is not advised when correcting bad behaviour
   (d) the book by Dr James Bruno helped the parents a lot who try to discipline their naughty children

The sad situation of the homeless remains a problem. It is difficult to estimate how many people are homeless because the number depends on how the homeless are defined. There are street people - those who sleep in bus stations, parks, and other areas. Many of these people are youthful runaways. There are the so-called sheltered homeless - those who sleep in government supported or privately funded shelters. Many of these individuals used to live with their families or friends. While street people are almost always single, the sheltered homeless include numerous families with children. Conservatives argue that many homeless are
alcoholics, drug users, or mentally ill. In contrast, many liberals argue that homelessness is caused by a reduction in welfare benefits and by excessively priced housing. They want more shelters to be built for the homeless.

7. We can understand from the reading that the number of homeless people
(a) is not so great as many people think
(b) is on the increase in many countries
(c) is counted annually
(d) is difficult to know

8. According to the passage, liberals
(a) think that the problem of homelessness cannot be solved
(b) want more shelters for the homeless
(c) are of the opinion that most homeless people are mentally ill
(d) want the government to ban sleeping on park benches

9. It is clearly stated in the reading that the sheltered homeless
(a) are mostly youthful runaways
(b) sleep in parks or in bus stations
(c) can have families with children
(d) are generally drug users and alcoholics

The sheer number of people in a group affects the amount of communication. Consider the difference between communication between two friends and communication in a group of five people. When friends talk, there are two people sending and receiving messages. In a group of five, there are five people doing the same thing. Each idea that is expressed must be understood by four others, who may also choose to respond. Consequently, the greater number of people in a group, the fewer contributions any individual may make. Because there are disadvantages to large groups, you might assume that small groups would be the most effective. However, groups can be too small as well as too large. With 100 few members, a group has limited resources, which eliminates a primary advantage of groups for decision making. Also, in very small groups, members may be unwilling to disagree or criticize each other's ideas. I believe that five to seven members is the ideal size for a small group.

10. We can conclude from the reading that in large groups
(a) there is always a chaos at the end of each discussion
(b) no one criticizes each other’s ideas
(c) before a decision is made everyone has to express their ideas individually
(d) there is less opportunity for each person to speak

11. According to the passage, small groups
(a) are always more successful than large groups in terms of decision making
(b) can have some disadvantages as well
(c) express their criticism more freely than large groups
(d) have always infinite resources

12. The author of the article suggests that
(a) the number of people in a small group must not be more than five
(b) large groups are always superior to small groups
(c) the ideal size for a small group should be five to seven
(d) small groups are better as members of them have a chance to criticize each other

A recent opinion poll discovered that many people were very concerned about the amount of sex and violence depicted in movies, television shows, and popular music. This poll also discovered, however, that most people thought that individuals should take responsibility to correct the problems. The vast majority favoured such solutions as tighter parental supervision, warning labels on records, and voluntary self-restrictions by entertainment companies. Only 27 per cent favoured government censorship. At the same time, there was growing concern about the impact of television on children.
Research has shown that by the time our children reach age 18, they have spent more time watching television than in school. The problem was that our television system was attuned to the marketplace. Children are treated as a market to be sold to advertisers at so much money per thousand eyeballs.

13. According to the reading, to prevent the bad effects of television, only a minority

(a) support individual action
(b) say parents should supervise their children
(c) believe in the necessity of censorship applied by governments
(d) think television companies have to control their own programmes

14. It is stated in the passage that

(a) many people think pop music videos are not so violent as movies
(b) movies today are a good means to show the young the possible dangers awaiting for them in the real world
(c) parents believe there should be more television programmes on television suitable for the young's sexual education
(d) television has covered more place in an eighteen-year-old teenager's life than school

15. It is emphasized in the reading that

(a) many children have eyesight problems due to watching television excessively
(b) children are a main focus of the advertisers
(c) there are not enough advertisements on television
(d) our television programmes should be designed according to our children’s preferences

Motherly love by its very nature is unconditional. Mother loves the newborn infant because it is her child, not because the child has fulfilled any specific condition, or lived up to any specific expectations. Unconditional love corresponds to one of the deepest longings, not only of the child, but also of every human being. On the other hand, to be loved because of one's merit or because one deserves it, always leaves doubt and there is always a fear that love could disappear. Furthermore deserved love easily leaves a bitter feeling that one is not loved for himself but is loved only because he pleases, and that he is not loved at all but used. No wonder that we cling to the longing for motherly love, as children and also as adults.

16. One can conclude from the reading that in order for a mother to love her child,

(a) a child has to earn such love
(b) the child is expected to do what is required from him
(c) they have to share many memories
(d) the child doesn't need to do anything

17. It is understood from the passage that if you are to do something to be loved,

(a) you cannot get as much satisfaction as motherly love
(b) you won't have any doubts about the others' feelings towards you
(c) it is impossible that you may lose love one day
(d) your mother will love you more

18. As it is pointed out in the passage, motherly love

(a) is the only love a baby can get
(b) is what we need even if we are grown-up
(c) is necessary only for children
(d) is not related to unconditional love

Australian researchers have discovered electroreceptors (sensory organs designed to respond to electrical fields) clustered at the tip of the spiny anteater’s snout. The researchers made this discovery by exposing small areas of the snout to extremely weak electrical fields and recording the transmission of resulting nervous activity to the brain. While it is true that tactile receptors, another kind of sensory organ on the anteater’s snout, can also respond to electrical stimuli, such receptors do so only in response to electrical field strengths about 1,000 times greater than those known to excite electroreceptors. Having discovered the electroreceptors,
researchers are now investigating how anteaters utilize such a sophisticated sensory system. In one behavioral experiment, researchers successfully trained an anteater to distinguish between two troughs of water, one with a weak electrical field and the other with none. Such evidence is consistent with researchers’ hypothesis that anteaters use electroreceptors to detect electrical signals given off by prey; however, researchers as yet have been unable to detect electrical signals emanating from termite mounds, where the favorite food of anteaters live. Still, researchers have observed anteaters breaking into a nest of ants at an oblique angle and quickly locating nesting chambers. This ability to quickly locate unseen prey suggests, according to the researchers, that the anteaters were using their electroreceptors to locate the nesting chambers.

19. According to the passage, which of the following is a characteristic that distinguishes electroreceptors from tactile receptors?

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>The manner in which electroreceptors respond to electrical stimuli</td>
</tr>
<tr>
<td>(b)</td>
<td>The tendency of electroreceptors to be found in clusters</td>
</tr>
<tr>
<td>(c)</td>
<td>The unusual locations in which electroreceptors are found in most species</td>
</tr>
<tr>
<td>(d)</td>
<td>The amount of electrical stimulation required to excite electroreceptors</td>
</tr>
</tbody>
</table>

20. Which of the following can be inferred about the experiment described in the first paragraph?

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>Researchers had difficulty verifying the existence of electroreceptors in the anteater because electroreceptors respond to such a narrow range of electrical field strengths</td>
</tr>
<tr>
<td>(b)</td>
<td>Researchers found that the level of nervous activity in the anteater’s brain increased dramatically as the strength of the electrical stimulus was increased</td>
</tr>
<tr>
<td>(c)</td>
<td>Researchers found that some areas of the anteater’s snout were not sensitive to a weak electrical stimulus</td>
</tr>
<tr>
<td>(d)</td>
<td>Researchers tested small areas of the anteater’s snout in order to ensure that only electroreceptors were responding to the stimulus</td>
</tr>
</tbody>
</table>

21. The author of the passage most probably discusses the function of tactile receptors in order to

<table>
<thead>
<tr>
<th>Option</th>
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</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>eliminate and alternative explanation of anteaters’ response to electrical stimuli</td>
</tr>
<tr>
<td>(b)</td>
<td>highlight a type of sensory organ that has a function identical to that of electroreceptors</td>
</tr>
<tr>
<td>(c)</td>
<td>point out a serious complication in the research on electroreceptors in anteaters</td>
</tr>
<tr>
<td>(d)</td>
<td>introduce a factor that was not addressed in the research on electroreceptors in anteaters</td>
</tr>
</tbody>
</table>

22. Which of the following can be inferred about anteaters from the behavioral experiment mentioned in the second paragraph?

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>They are unable to distinguish between stimuli detected by their electroreceptors and stimuli detected by their tactile receptors</td>
</tr>
<tr>
<td>(b)</td>
<td>They are unable to distinguish between the electrical signals emanating from termite mounds and those emanating from ant nests</td>
</tr>
<tr>
<td>(c)</td>
<td>They can be trained to recognize consistently the presence of a particular stimulus</td>
</tr>
<tr>
<td>(d)</td>
<td>They react more readily to strong than to weak stimuli.</td>
</tr>
</tbody>
</table>

23. The passage suggests that the researchers mentioned in the second paragraph who observed anteaters break into a nest of ants would most likely agree with which of the following statements?

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>The event they observed provides conclusive evidence that anteaters use their electroreceptors to locate unseen prey</td>
</tr>
<tr>
<td>(b)</td>
<td>The event they observed was atypical and may not reflect the usual hunting practices of anteaters</td>
</tr>
<tr>
<td>(c)</td>
<td>It is likely that the anteaters located the ants’ nesting chambers without the assistance of electroreceptors</td>
</tr>
<tr>
<td>(d)</td>
<td>Anteaters possess a very simple sensory system for use in locating prey.</td>
</tr>
</tbody>
</table>
24. Which of the following, if true, would most strengthen the hypothesis mentioned?

(a) Researchers are able to train anteaters to break into an underground chamber that is emitting a strong electrical signal
(b) Researchers are able to detect a weak electrical signal emanating from the nesting chamber of an ant colony
(c) Anteaters are observed taking increasingly longer amounts of time to locate the nesting chambers of ants
(d) Anteaters are observed using various angles to break into nests of ants.

According to a recent theory, Archean-age gold-quartz vein systems were formed over two billion years ago from magnetic fluids that originated from molten granite-like bodies deep beneath the surface of the Earth. This theory is contrary to the widely held view that the systems were deposited from metamorphic fluids, that is, from fluids that formed during the dehydration of wet sedimentary rocks.

The recently developed theory has considerable practical importance. Most of the gold deposits discovered during the original gold rushes were exposed at the Earth’s surface and were found because they had shed trails of alluvial gold that were easily traced by simple prospecting methods. Although these same methods still lead to an occasional discovery, most deposits not yet discovered have gone undetected because they are buried and have no surface expression.

The challenge in exploration is therefore to unravel the subsurface geology of an area and pinpoint the position of buried minerals. Methods widely used today include analysis of aerial images that yield a broad geological overview; geophysical techniques that provide data on the magnetic, electrical, and mineralogical properties of the rocks being investigated; and sensitive chemical tests that are able to detect the subtle chemical halos that often envelop mineralization. However, none of these high-technology methods are of any value if the sites to which they are applied have never mineralized, and to maximize the chances of discovery the explorer must therefore pay particular attention to selecting the ground formations most likely to be mineralized. Such ground selection relies to varying degrees on conceptual models, which take into account theoretical studies of relevant factors.

25. The author is primarily concerned with

(a) advocating a return to an older methodology
(b) explaining the importance of a recent theory
(c) enumerating differences between two widely used methods
(d) describing events leading to a discovery

26. According to the passage, the widely held view of Archean-age gold-quartz vein systems is that such systems

(a) were formed from metamorphic fluids
(b) originated in molten granite-like bodies
(c) were formed from alluvial deposits
(d) generally have surface expression

27. The passage implies that which of the following steps would be the first performed by explorers who wish to maximize their chances of discovering gold?

(a) Surveying several sites known to have been formed more than two billion years ago
(b) Limiting exploration to sites known to have been formed from metamorphic fluid
(c) Using an appropriate conceptual model to select a site for further exploration
(d) Using geophysical methods to analyze rocks over a broad area

28. Which of the following statements about discoveries of gold deposits is supported by information in the passage?

(a) The number of gold discoveries made annually has increased between the time of the original gold rushes and the present.
(b) New discoveries of gold deposits are likely to be the result of exploration techniques designed to locate buried mineralization.

(c) It is unlikely that newly discovered gold deposits will ever yield as much as did those deposits discovered during the original gold rushes.

(d) Modern explorers are divided on the question of the utility of simple prospecting methods as a source of new discoveries of gold deposits.

29. It can be inferred from the passage that which of the following is easiest to detect?

(a) A gold-quartz vein system originating in magnetic fluids
(b) A gold-quartz vein system originating in metamorphic fluids
(c) A gold deposit that is mixed with granite
(d) A gold deposit that has shed alluvial gold

30. The theory mentioned in line 1 relates to the conceptual models discussed in the passage in which of the following ways?

(a) It may furnish a valid account of ore-forming processes, and, hence, can support conceptual models that have great practical significance
(b) It suggests that certain geological formations, long believed to be mineralized, are in fact mineralized, thus confirming current conceptual models
(c) It suggests that there may not be enough similarity across Archean-age gold-quartz vein systems to warrant the formulation of conceptual models
(d) It corrects existing theories about the chemical halos of gold deposits, and thus provides a basis for correcting current conceptual models

31. According to the passage, methods of exploring for gold that are widely used today are based on which of the following facts?

(a) Most of the Earth’s remaining gold deposits are still molten
(b) Most of the Earth’s remaining gold deposits are exposed at the surface
(c) Most of the Earth’s remaining gold deposits are buried and have no surface expression
(d) Only one type of gold deposit warrants exploration, since the other types of gold deposits are found in regions difficult to reach.

32. It can be inferred from the passage that the efficiency of model-based gold exploration depends on which of the following?

I. The closeness of the match between the geological features identified by the model as critical and the actual geological features of a given area
II. The degree to which the model chosen relies on empirical observation of known mineral deposits rather than on theories of ore-forming processes
III. The degree to which the model chosen is based on an accurate description of the events leading to mineralization

(a) I only
(b) II only
(c) I and II only
(d) I and III only

33. According to the passage, it is true that lycopene

(a) can only be found in processed tomato products
(b) protects against some types of cancer
(c) is a bright red pigment found in tomatoes
(d) is a fat-soluble substance that helps with absorption into the bloodstream.

You may have heard that tomatoes and processed tomato products like tomato sauce and canned tomatoes protect against some types of cancer. The cancer-preventing properties of tomato products have been attributed to lycopene. It is a bright red pigment found in tomatoes and other red fruits and is the cause of their red color. Unlike other fruits and vegetables, where nutritional content such as vitamin C is diminished upon cooking, processing of tomatoes increases the concentration of lycopene. Lycopene in tomato paste is four times more than in fresh tomatoes. This is because lycopene is insoluble in water and is tightly bound to vegetable fiber. Thus, processed tomato products such as pasteurized tomato juice, soup, sauce, and ketchup contain the highest concentrations of lycopene. Cooking and crushing tomatoes as in the canning process and serving in oil-rich dishes such as spaghetti sauce or pizza greatly increase assimilation from the digestive tract into the bloodstream. Lycopene is a fat-soluble substance, so the oil is said to help absorption to a great extent.
(b) loses its cancer-preventing property when the tomato is processed
(c) lowers the risk of having cancer only when it is consumed together with vitamin
(d) is absorbed by the body more easily when accompanied by the oil
34. It can be understood from the passage that as far as the lycopene intake is concerned
(a) lycopene hardly offers any protection against diseases such as cancer
(b) one can get the highest amount of lycopene through eating fresh tomatoes
(c) there is a correlation between the lycopene consumption and the prevention of some cancer types
(d) there have been no reported side effects or toxicity associated with lycopene intake
35. It can be understood from the passage that
(a) lycopene is what gives some fruits their color
(b) no credible evidence has been found to support an association between lycopene intake and a reduced risk of cancer
(c) processed tomato products include the lowest concentrations of lycopene
(d) there are several health problems that may result from consuming a great deal of lycopene
36. A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if at least one black ball is to be included in the draw?
(a) 48
(b) 64
(c) 69
(d) 71
37. The simple interest and the true discount on a certain sum for a given time and at a given rate are Rs. 85 and Rs. 80 respectively. The sum is
(a) Rs.1800
(b) Rs.1450
(c) Rs.1360
(d) Rs.6800
38. Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?
(a) 7 hours 30 minutes
(b) 8 hours
(c) 8 hours 15 minutes
(d) 8 hours 25 minutes
39. The distance between two cities A and B is 330 Km. A train starts from A at 8 a.m. and travel towards B at 60 km/hr. Another train starts from B at 9 a.m and travels towards A at 75 Km/hr. At what time do they meet?
(a) 10 a.m
(b) 10.30 a.m
(c) 11 a.m
(d) 11.30 a.m
40. A man buys Rs. 25 shares in a company which pays 9% dividend. The money invested is such that it gives 10% on investment. At what price did he buy the shares?
(a) Rs.22
(b) Rs.22.50
(c) Rs.25
(d) Rs.25.50
41. A man earns on the first day and spends Rs. 15 on the next day. He again earns Rs. 20 on the third day and spends Rs. 15 on the fourth day. If he continues to save like this, how soon will he have Rs. 60 in hand?
(a) on 17th day
(b) on 27th day

For Detailed Solution Please Visit:
42. A money lender finds that due to a fall in the annual rate of interest from 8% to 7\frac{3}{4}\%, his yearly income diminishes by Rs. 61.50. His capital is

(a) Rs. 22,400 
(b) Rs. 23,800 
(c) Rs. 24,600 
(d) Rs. 26,000

43. A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is

(a) 720 
(b) 900 
(c) 1200 
(d) 1800

44. In a regular week, there are 5 working days and for each day, the working hours are 8. A man gets Rs. 2.40 per hour for regular work and Rs. 3.20 per hour for overtime. If he earns Rs. 432 in 4 weeks, then how many hours does he work for?

(a) 160 
(b) 175 
(c) 180 
(d) 195

45. MHZ, NIW, OKT, PNQ, ?

(a) RRN 
(b) QRN 
(c) QRM 
(d) QQN

46. M, N, O, L, R, I, V, ?

(a) A
50. Which company had the largest increase in sales from the beginning of the year to the end of the year (compare January and December only)?

(a) Wilton Journal
(b) Business Daily
(c) FlashNews
(d) MY Times

51. Nutrition Values, Product A

<table>
<thead>
<tr>
<th>Serving size 1 cup (120 g), Servings per container: 5</th>
<th>% RDV*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total calories</td>
<td>370</td>
</tr>
<tr>
<td>Protein</td>
<td>9 g</td>
</tr>
<tr>
<td>Total carbohydrate</td>
<td>76 g</td>
</tr>
<tr>
<td>Sugars</td>
<td>23 g</td>
</tr>
<tr>
<td>Total fat</td>
<td>5 g</td>
</tr>
<tr>
<td>Saturated fat</td>
<td>1 g</td>
</tr>
<tr>
<td>Dietary fiber</td>
<td>3 g</td>
</tr>
<tr>
<td>Iron</td>
<td>50mg</td>
</tr>
<tr>
<td>Sodium</td>
<td>0.5g</td>
</tr>
</tbody>
</table>

*Recommended Daily Value - based on a 2000 calorie diet

How many calories does one full package contain?

(a) 1850
(b) 74
(c) 370
(d) 1480

For Detailed Solution Please Visit:
52. **Nutrition Values, Product A**

<table>
<thead>
<tr>
<th>Nutrition Values, Product A</th>
<th>Serving size 1 cup (120 g), Servings per container: 5</th>
<th>% RDV*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total calories</td>
<td>370 g</td>
<td>18%</td>
</tr>
<tr>
<td>Protein</td>
<td>9 g</td>
<td>4.5%</td>
</tr>
<tr>
<td>Total carbohydrate</td>
<td>76 g</td>
<td>25%</td>
</tr>
<tr>
<td>Sugars</td>
<td>23 g</td>
<td>4.5%</td>
</tr>
<tr>
<td>Total fat</td>
<td>5 g</td>
<td>8%</td>
</tr>
<tr>
<td>Saturated fat</td>
<td>1 g</td>
<td>5%</td>
</tr>
<tr>
<td>Dietary fiber</td>
<td>3 g</td>
<td>12%</td>
</tr>
<tr>
<td>Iron</td>
<td>50 mg</td>
<td>280%</td>
</tr>
<tr>
<td>Sodium</td>
<td>0.5 g</td>
<td>1%</td>
</tr>
</tbody>
</table>

*Recommended Daily Value - based on a 2000 calorie diet

How many grams of protein should a person, following the recommended daily values, consume if this person has already consumed a full container of product A?

(a) 164 g  
(b) 45 g  
(c) 90 g  
(d) 155 g

53. Fiona, Georgia, Heather, Ian, John, Kilgore and Lumina are forming a line, trying to get tickets to a concert.

Fiona is standing in front of Ian.
John is standing in front of Heather.
If John is not first in line, Lumina is standing somewhere in front of him.
Ian is standing immediately in front of or immediately behind Kilgore.
If John is fourth in line, which one of the following CANNOT be true?

(a) Fiona is behind Lumina  
(b) Heather is in front of Ian  
(c) Kilgore is behind Fiona  
(d) Georgia is behind Heather

54. Six out of eight people – a florist, gardener, historian, inventor, jeweller, locksmith, mailman and optician – introduce their occupation in a two-day career event, three people each day, each in a different time slot: morning, mid-day and afternoon.

The florist can only speak on day 2.
The gardener and the locksmith cannot speak in mid-day.
If the gardener speaks on day 1, the optician and the jeweller speak on day 2.
The inventor and the mailman will not speak on the same day.
If both the inventor and the locksmith are speaking, the inventor speaks sometime before the locksmith.
If both the jeweller and the florist speak, but not on the same day, which of the following CANNOT be true?

(a) The inventor speaks in the afternoon, right after the florist  
(b) The gardener speaks on day 1  
(c) If the locksmith speaks in the morning, the inventor speaks in the afternoon  
(d) If the gardener is selected to appear, he will speak in the morning

55. Review the facts below.

- Cleo is a good dog.
- Colonel is a bull.
- Good dogs are fast and keep the house safe.
- Bulls do not make noise.

Based on the information above, which of the following MUST be true?

(a) Cleo is a quiet dog  
(b) Colonel can run very fast  
(c) Colonel moos almost every night  
(d) Cleo is a fast dog

56. Thomas and Sam work every other day (Monday through Saturday).

Thomas and Sam never work together.
Uma, Victor and Winona work twice a week (Monday through Saturday), but never together.
Thomas and Victor cannot both work on the same day.
Winona never works on Mondays or Fridays.
If Winona is working on Tuesday, Wednesday or both, which of the following CANNOT be true?
(a) Thomas is working on Tuesday  
(b) Victor is working on Tuesday  
(c) Sam is working on Tuesday and Uma is working on Thursday  
(d) Victor is working on Friday and Uma is working on Saturday  

57. A chef has to pick four fruits out of the following seven to make a fruit salad: figs, guavas, honeydews, kiwis, mangos, nectarines and papayas. Papaya can be selected only if kiwi is selected. Fig can be selected only if nectarine is selected. Either mango or nectarine must be selected, but never both. Either papaya or honeydew must be selected but never both. If the salad does not contain kiwi, which one of the following fruits must be in the salad

(a) Mango  
(b) Nectarine  
(c) Honeydew  
(d) Papaya

58. Although the new cochlea manufactured by Medotech will cost more than twice as much as the cochlear implants now in use, Medotech implants should still be cost-effective. Not only will surgery and recovery time be reduced, but Medotech cochlear replacements should last longer, thereby reducing the need for further hospital stays. Which of the following must be studied in order to evaluate the argument presented above?

(a) The amount of time a patient spends in surgery versus the amount of time spent recovering from surgery.  
(b) The amount by which the cost of producing Medotech cochlear replacements has declined with the introduction of the new technique for producing them  
(c) The degree to which the use of Medotech cochlear replacements is likely to reduce the need for repeat surgery when compared with the use of the replacements now in use  
(d) The degree to which the use of Medotech replacements are more carefully manufactured than are the replacements now in use

59. The best answer is C. To evaluate the argument it must be determined whether these savings will compensate for the increased cost. Therefore, study of the expected reduction in the need for further hospital stays is needed.

(a) Determining what kind of wood is used to make the reeds used by jazz clarinetists  
(b) Determining whether jazz clarinetists make their reeds lose their freshness faster than do classical clarinetists  
(c) Determining whether identical lengths of reeds, of the same thickness, lose their freshness at different rates when put onto various brands of clarinets  
(d) Determining whether rubbing various substances on the new reed causes them to lose their freshness

60. Wheat has more nutritional value than rye. But since oats have more nutritional value than rice, it follows that wheat has more nutritional value than rice. Any of the following, if introduced into the argument as an additional premise, makes the argument above logically correct EXCEPT:

(a) Wheat and oats have the same nutritional value  
(b) Rye has more nutritional value than oats  
(c) Rye has more nutritional value than rice  
(d) Oats have more nutritional value than wheat

61. A famous painter has recently won a lawsuit against a major food manufacturer for commissioning a graphic designer to design the packaging of its chocolate chip cookies in the painter's distinctive style. As a result of the lawsuit, manufacturers will stop asking graphic artists to copy distinctive painting styles. Therefore, the cost of package design will rise because employing the services of known artists costs more than those of graphic designers that imitate their style. The conclusion above is based on which of the following assumptions?

(a) Most people are unable to distinguish a famous artist's illustration from that of a good graphic artist imitating the painter's style  
(b) Manufacturers will use well-known painting styles in their packaging.
62. (c) The original version of some well-known paintings are unavailable for use in packaging
(d) Manufacturers will continue to use graphic artists to imitate the artistic style of famous painters

What comes next in the sequence?
(a)  
(b)  
(c)  
(d)  

63. 

What comes next in the sequence?
(a)  
(b)  
(c)  
(d)  

64. Tobin is required to purchase stationary for the office. A pack of A4 paper costs £2.99, a box of pencils costs £1.99 and a pack of ball tip pens costs £0.99. If Tobin is required to purchase 25 packs of A4 paper, 15 boxes of pencils and 20 packs of ball tip pens, how much money will remain unspent with a budget of £130?

(a) 4.85
(b) 5.13
(c) 5.54
(d) 5.60

65. A manatee consumes 10% of its own bodyweight in vegetation per day and the average manatee weighs 450kg. If a sea life park holds 23 manatees, how much vegetation is required to feed them for a week?

(a) 7,035kg
(b) 7,245kg
(c) 7,465kg
(d) 7,621kg
66. A company places an order for 30,000 business cards. For the first 1,000 business cards, the company will be charged 65p per card. For the next 9,000 cards, the company is charged 60p per card. For all following cards, the company is charged 55p. If business cards are delivered in packs of 5,000 cards and a postage and packaging fee of £3.95 is charged per pack, how much will these business cards cost the company all together?

(a) 13,950.75
(b) 14,750.70
(c) 15,100.00
(d) 17,073.70

67. An individual savings account (ISA) is a financial product, allowing customers to avoid paying tax on savings up to £5,640. One customer has £5,000 in an ISA and another customer has £5,000 in a regular savings account. If both savings accounts pay 3% interest (paid once annually) and both customers pay 20% income tax, how much more interest is earned by the customer with the ISA in 1 year? (Income tax is paid on regular interest payments, not ISAs)

(a) 30.00
(b) 32.50
(c) 35.00
(d) 37.50

68. The performance enhancing effects of caffeine are well known, and 6mg per kg of bodyweight is the minimum dose required for performance enhancement. In the case of a 185 pounds athlete, what is the minimum caffeine dose needed for performance enhancing effects? (1kg = 2.2 pounds)

(a) 504.5 mg
(b) 512.5 mg
(c) 526.5 mg
(d) 534.5 mg

69. Find the missing number: 35, 53, ?, 26, 81, 18

(a) 62
(b) 18
(c) 12
(d) 48

70. Find the missing number: 17, 28, 39, 24, 35, 46, ?, 42, 53

(a) 31
(b) 6
(c) 28
(d) 44

71. Find the missing number:

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<td>144</td>
<td>8</td>
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(a) 2
(b) 88
(c) 8
(d) 72
72. A clock shows 2 oclock in the afternoon. Through how many degrees has the hour hand rotated when the clock shows 7:20 oclock in the evening?

(a) 140
(b) 180
(c) 160
(d) 120

73. A cinema is showing three different movies on three different screens. A total of 920 people have come to see a movie tonight. Movie A is shown on screen A, which has 20 seats – 350 of the visitors are watching this movie tonight. Movies B is shown on screen B, which has ¾ of the seats that screen A has – 40% of the visitors watch this movie. Movies C is shown on screen C, which has 20% fewer seats than room B. How many empty seats will there be for the showing of movie C?

(a) 110
(b) 80
(c) 202
(d) 312

74. What comes next in the sequence?

(a) [ ]
(b) [ ]
(c) [ ]
(d) [ ]

75. What comes next in the sequence?

(a) [ ]
(b) [ ]
(c) [ ]
(d) [ ]

76. Which of the following reasons does the writer give for the popularity of public transport in cities?

(a) Public transport can be cheaper and more practical in busy cities
(b) Public transport is more entertaining than private transport

For Detailed Solution Please Visit:
(c) Public transport is often safer than parking in busy cities

(d) Public transport offers less regular services and can be unpractical

77.

YoGo is a company that makes low-fat dairy products. It built its reputation making virtually fat-free yogurts, but has since branched out to produce low fat ice-creams, milkshakes and cooking sauces. YoGo’s biggest competitor is DairyFree, a company that makes fat-free, dairy-free products. In order to compete with DairyFree, YoGo is trying to lower the cost of its products. It hopes to do this by buying its ingredients in bulk, using automated production lines and reducing the amount of packaging.

Since implementing these changes, YoGo has seen an increase in its profit margin but sales figures are yet to change. In comparison, DairyFree has out-sold its target for this month, as a result of a marketing scheme. This scheme included giving away free samples and discount vouchers, a marketing ploy that YoGo will not be able to compete with.

Which of the following has YoGo implemented in an attempt to compete with DairyFree?

(a) A scheme that gives away free samples and discount vouchers
(b) A scheme that aims to reduce the cost of production
(c) YoGo has lowered the costs and given away free samples
(d) YoGo will go into administration

78.

The following passage provides information regarding the most popular type of foods in the United Kingdom. Such information has been compiled by the UK Foods Standards Agency since 1990 as part of an on-going project to encourage consumers to purchase healthier products, such as fruit and vegetables, whole grain foods and foods low in saturated fat.

Currently, the most popular types of food in the UK are those which are easy to prepare. Items requiring time consuming preparation continue to suffer comparatively lower sales rates. In this way, the Foods Standards Agency has found that ‘pack items’, those containing ready-measured baking ingredients, are more popular than buying fresh ingredients in bulk. Similarly, ready baked items, such as bread and biscuits, continue to sell well.

Select one of the following answers to complete the following sentence.

Since 1990, the UK Foods Standards Agency has ...

(a) Discouraged the purchase of ‘pack items’
(b) Encouraged consumers to purchase items such as fruit
(c) Encouraged consumers to purchase items that are easy to prepare
(d) Encouraged consumers to purchase items with no fat
79.

The Tea Palace, a popular shop in London’s West End, opened its doors in 1880. Nowadays over an estimated one million consumers pass through its doors every year. The shop, commonly known as ‘the palace’, imports products from all over the world. A major attraction for tourists, ‘the palace’ has continued to make tea in the same way since opening.

Large ladies of dried tea leaves are placed in metal cauldrons over the fires of the open kitchen; customers are able to see this process and the tea, in traditional pots, is then brought to the table. Many customers take pictures of this process and like to pose for pictures in front of the shop’s world-famous front door.

Which one of the following statements is most likely to be false?

(a) The Tea Palace receives half a million people every six months
(b) The Tea Palace makes it tea at the customer's table
(c) The Tea Palace imports items from all over the globe
(d) The Tea Palace is a major attraction for tourists

80.

An important skill when working in an office environment is the ability to get on well with those around you. As many people spend the majority of their waking day at work, the ability to be polite and respectful has never been more important. For this reason, when hiring new staff, employers look at the interpersonal skills of possible employees. How well is this person able to get on with those around them? Are they respectful of other people or do they push through their own will at the expense of others?

Such skills are also of value in occupations where there is prolonged contact with clients. Many businesses making a lasting impression through the way their staffs represent them, and are unlikely to employ those who make a negative impression.

Which of the following statements is not mentioned by the passage?

(a) Respectful individuals are more likely to get promoted
(b) Respectful individuals are likely to appear attractive to an employer
(c) Businesses are less likely to employ those who have a negative attitude
(d) Many people spend the majority of their day at work