

SECTION I

20 Questions
30 Marks

Directions for Questions (1 - 4): Read the passage and answer the questions that follow.

[2 mark each]

L1 The view that the social sciences are methodologically distinct from the other sciences has
L2 sometimes been fallaciously illustrated by arguments that obscure the distinctions between
L3 technique and method and between discovery and validation. For example, the following
L4 type of argument is given. Suppose that the first thing a Martian witnesses on earth is a
L5 woman voting a straight ticket in an election. Though the Martian might be able to describe
L6 the physical characteristics of the event, he could never, it is argued, explain its peculiarly
L7 social characteristics, its meaningfulness in a social context. However, no argument about
L8 the method of social science should require that techniques of observation and experiment
L9 should be used that are proper to the physical sciences. In addition, examples purporting to
L10 show that there are greater difficulties in formulating theories or hypotheses in social
L11 science have no bearing on the method by which such theories are verified.

Question 1: The primary purpose of the passage is to

- Options :
- | | |
|--|--------------------------------|
| (a) corroborate a technique of observation | (b) criticize a way of arguing |
| (c) analyze a similarity | (d) introduce a corollary |

Question 2: It can be inferred that the author believes which of the following about theories in the social sciences?

- Options :
- | | |
|---|--|
| (a) they are not reliable in their descriptions and illustrations of complex cultural behavior. | (b) They are not concerned with any social behaviors other than those verifiable by direct observation. |
| (c) They are not appropriately substantiated by the same kinds of experiments that are used in the physical sciences. | (d) They are not distinguishable among themselves on a theoretical basis, though they are distinguishable from physical theories on a technical basis. |

Question 3: It can be inferred from the passage that those who put forward the Martian argument believe that

- Options :
- | | |
|---|--|
| (a) people with the same backgrounds have the same understanding of the social phenomena of their culture | (b) people with different backgrounds are unable to comprehend each other's social behavior |
| (c) the description of the physical characteristics of a phenomenon is the first step toward reaching an understanding of the phenomenon? | (d) the meaning of a social phenomenon cannot be determined by simply viewing the phenomenon |

Question 4: The author of the passage is concerned with asserting that

- Options :
- | | |
|--|--|
| (a) the procedures used in validating a hypothesis are not the same as the procedures used in originating the hypothesis | (b) the differences between the methods of the physical sciences and those of the social sciences should be ignored. |
| (c) the discovery of a hypothesis that might explain a social phenomenon must be preceded by the detailed observation of cultural habits | (d) differences in perception yield different conclusions about social phenomena |

Directions for Questions (5-14)

[1 mark each]

In question 5-14, you will find a related pair of words or phrases followed by four lettered pairs of words or phrases. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair.

Question: 5 BASKETBALL : BASKET

- Options :
- | | |
|------------------------|---------------------|
| (a) football : foot | (b) soccer : goal |
| (c) baseball : stadium | (d) tennis : racket |

Question: 6 CORRODED : METAL

- Options :
- | | |
|-------------------------|----------------------|
| (a) diseased : antibody | (b) erased : mistake |
|-------------------------|----------------------|

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- | | | |
|----------------------|-----------------------------|---------------------------------|
| | (c) implied : opinion | (d) corrupted : integrity |
| Question : 7 | WALL : NECK | |
| Options : | (a) valance : pendant | (b) curtain : ruffle |
| | (c) tie : pleat | (d) valence : cravat |
| Question : 8 | SPEECH : RAMBLE | |
| Options : | (a) river : meander | (b) mountain : erode |
| | (c) flower : blossom | (d) plan : fail |
| Question : 9 | BANKRUPTCY : SOLVENT | |
| Options : | (a) dehydration : wet | (b) antagonism : quarrelsome |
| | (c) colonization : new | (d) modernization : destructive |
| Question : 10 | BEWITCHED : SPELL | |
| Options : | (a) tricked : hoax | (b) amused : audience |
| | (c) expelled : school | (d) discovered : fraud |
| Question : 11 | ASYLUM : REFUGEE | |
| Options : | (a) flight : escape | (b) destination : traveler |
| | (c) lunatic : insanity | (d) accident : injury |
| Question : 12 | EPIC : LITERATURE | |
| Options : | (a) plot : fiction | (b) etching : frame |
| | (c) symphony : music | (d) blueprint : construction |
| Question : 13 | EGOIST : ALTRUISM | |
| Options : | (a) sluggard : energy | (b) antagonist : pain |
| | (c) glutton : food | (d) masochist : pleasure |
| Question : 14 | TOLERATE : PREJUDICE | |
| Options : | (a) survive : food | (b) swim : cramps |
| | (c) kill : knife | (d) estimate : computer |

Directions for Questions (15 – 20):

[2 marks each]

Select the choice that is most parallel to the key word pair. Circle the letter that appears before your answer.

- | | | |
|----------------------|------------------------------------|---------------------------|
| Question : 15 | Role : Actor :: | |
| Options : | (a) aria : soprano | (b) private : soldier |
| | (c) melody : singer | (d) position : ballplayer |
| Question : 16 | Rude : Erudite :: | |
| Options : | (a) rural : urban | (b) churlish : learned |
| | (c) rustic : urbane | (d) coarse : smooth |
| Question : 17 | Mathematics : Numerology :: | |
| Options : | (a) biology : botany | (b) psychology : medicine |
| | (c) anatomy : medicine | (d) astronomy : astrology |
| Question : 18 | Stable : Horse :: | |
| Options : | (a) barn : silo | (b) sty : pig |
| | (c) fold : ram | (d) coop : hen |
| Question : 19 | Bright : Brilliant :: | |
| Options : | (a) colour : red | (b) yellow : red |
| | (c) contended : overjoyed | (d) light : fire |
| Question : 20 | Island : Ocean :: | |
| Options : | (a) hill : stream | (b) forest : valley |
| | (c) oasis : desert | (d) tree : field |

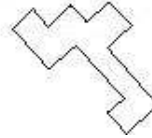
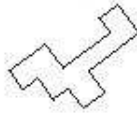
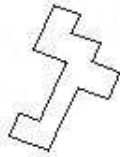
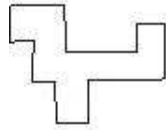
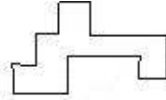
SECTION II

10 Questions
20 Marks
[2 mark s each]

Directions for Questions (21-25)

S-Same R-Reverse

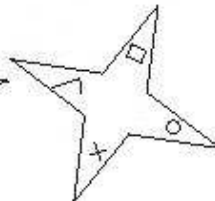
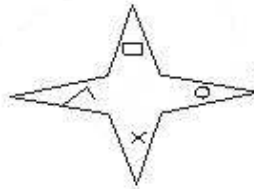
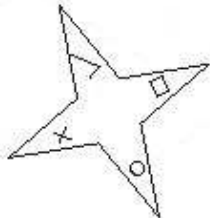
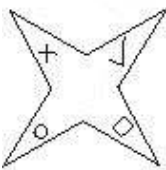
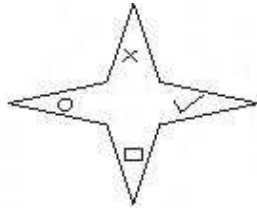
Questions 21:



- i. (a) R S S S
(c) S S S R
- ii. (b) S S R S
(d) S R S S
- iii. iv.

Options :

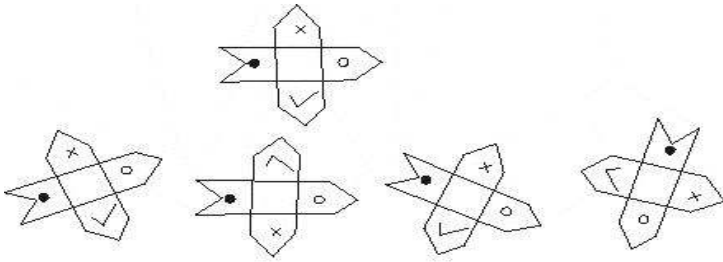
Questions 22 :



- i. (a) S R S S
(c) R S S S
- ii. (b) S S R S
(d) S R R S
- iii. iv.

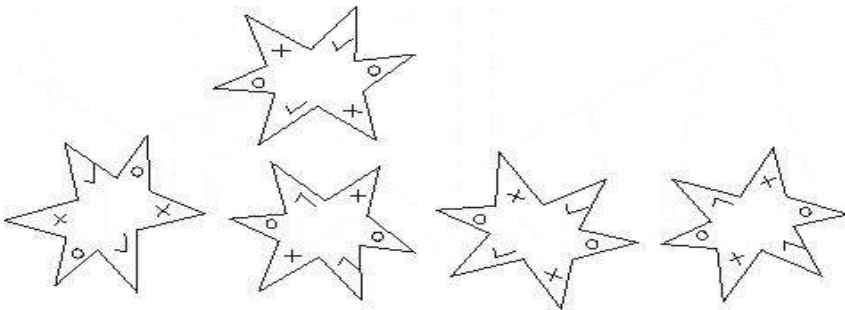
Options :

Questions 23 :



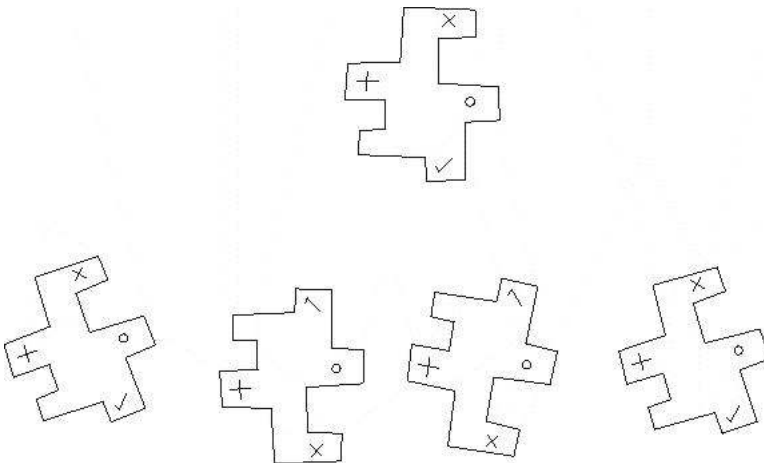
- i. Options : ii. (a) R S S S iii. iv. (b) S R S S
(c) R S R S (d) S S S R

Questions 24:



- i. Options : ii. (a) S R S R iii. iv. (b) S R R S
(c) R S S R (d) S S S R

Questions 25:



- i. ii. iii. iv.

- Options :
- | | |
|-------------|-------------|
| (a) R R S S | (b) S S S R |
| (c) S R S R | (d) S R R S |

Directions for Questions (26 - 30): In each of the following questions, there is a paragraph followed by an argument or a question and four conclusions marked as (a), (b), (c) and (d). You have to choose one of them as your answer to the question or the argument. [2 marks each]

Questions 26: Many institutions of higher education suffer declining enrollments during periods of economic slowdown. At two-year community colleges, however, enrollment figures boom during these periods when many people have less money and there is more competition for jobs.

Each of the following, if true, helps to explain the enrollment increases in two-year community colleges described above EXCEPT:

- Options:
- (a) During periods of economic slowdown, two year community colleges are more likely than four-year colleges to prepare their students for the jobs that are still available.
 - (b) During periods of economic prosperity, graduates of two-year community colleges often continue their studies at four-year colleges.
 - (c) Tuition at most two-year community colleges is a fraction of that at four-year colleges.
 - (d) Two-year community colleges devote more resources than do other colleges to attracting those students especially affected by economic slowdowns.

Questions 27: According to a review of 61 studies of patients suffering from severely debilitating depression, a large majority of the patients reported that missing a night's sleep immediately lifted their depression. Yet sleep-deprivation is not used to treat depression even though the conventional treatments, which use drugs and electric shocks, often have serious side effects.

which of the following, if true, best explains the fact that sleep-deprivation is not used as a treatment for depression?

- Options:
- (a) For a small percentages of depressed patients, missing a night's sleep induces a temporary sense of euphoria.
 - (b) Keeping depressed patients awake is more difficult than keeping awake people who are not depressed.
 - (c) Prolonged loss of sleep can lead to temporary impairment of judgment comparable to that induced by consuming several ounces of alcohol.
 - (d) Depression returns in full force a soon as the patient sleeps for even a few minutes

Questions 28: Hardin argued that grazing land held in common (that is, open to any user) would always be used less carefully than private grazing land. Each rancher would be tempted to overuse common land because the benefits would accrue to the individual, while the costs of reduced land quality that results from overuse would be spread among all users. But a study comparing 217 million acres of common grazing land with 433 million acres of private grazing land showed that the common land was in better condition.

The answer to which of the following questions would be most useful in evaluating the significance, in relation to Hardin's claim, of the study described above?

- Options:
- (a) Did any of the ranchers whose land was studied use both common and private land?
 - (b) Did the ranchers whose land was studied tend to prefer using common land over using private land for grazing?
 - (c) Was the private land that was studied of comparable quality to the common land before either was used for grazing?
 - (d) Were the users of the common land that was studied at least as prosperous as the users of the private land?

Questions 29: Biological functions of many plants and animals vary in cycles that are repeated every 24 hours. It is tempting to suppose that alteration in the intensity of incident light is the stimulus that controls these daily biological rhythms. But there is much evidence to contradict this hypothesis.

which of the following, if known, is evidence that contradicts the hypothesis stated in lines 2-5 above?

- Options:
- (a) Human body temperature varies throughout the day, with the maximum occurring in the late afternoon and the minimum in morning.

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- (b) While some animals, such as the robin, are more active during the day, others, such as mice, show greater activity at night.
- (c) When people move from one time zone to another, their daily biological rhythms adjust in matter of days to the periods of sunlight and darkness in the new zone.
- (d) Even when exposed to constant light intensity around the clock, some algae display rates of photosynthesis that are much greater during daylight hours than at night.

Questions 30:

Although migraine headaches are believed to be caused by food allergies, putting patients on diets that eliminate those foods to which the patients have been demonstrated to have allergic migraine reactions frequently does not stop headaches. obviously, some other cause of migraine headaches besides food allergies must exist.

Which of the following, if true, would most weaken the conclusion above?

Options:

- (a) Many common foods elicit an allergic response only after several days, making it very difficult to observe links between specific foods patients eat and headaches they develop.
- (b) Food allergies affect many people who never develop the symptom of migraine headaches.
- (c) Many patients report that the foods that cause them migraine headaches are among the foods that they most enjoy eating.
- (d) Very few patients have allergic migraine reactions as children and then live migraine-free adult lives once they have eliminated from their diets foods to which they have been demonstrated to be allergic.

SECTION III

20 Questions
35 Marks
[2 marks each]

Directions for Questions (31-42): Choose the correct answer for the questions given below.

- Question 31:** The cost of a precious stone varies as the square of its weight. A diamond weighing 10 decigrams costs Rs. 2600. The loss incurred when it break into two pieces whose weights are in the ratio 3:2 is
- Options :** (a) Rs 168 (b) Rs. 872
(c) Rs. 1352 (d) Rs. 2000
- Question 32:** Three friends working together earned Rs. 375. This amount is divided among them in such a way that if Rs. 4, Rs. 5, Rs. 6 be subtracted from their respective shares, the remainders may be in the ratio 3 : 4 : 5. Then, the shares (in Rs.) are respectively:
- Options :** (a) 175, 125, 75 (b) 120, 125, 130
(c) 94, 125, 156 (d) 90, 125, 160
- Question 33:** If 6 BSF or 3 CRPF companies can demolish a hideous terrorist outfit in Kashmir in 2 days, find how long will 4 companies each of BSF and CRPF together take to do the same?
- Options :** (a) 2 days (b) 1 day
(c) 1/2 day (d) 18 hr
- Question 34:** When the cost of petrol increases by 20%, a man reduces his monthly consumption by 15%. The percentage change in his monthly expenditure on petrol will be:
- Options :** (a) 10% (b) 2%
(c) 3% (d) 4%
- Question 35:** If the population of a town at the beginning of a year was 1530000, and the birth rate was 55, while the death rate was 33 per 1000 of the population, then the net increase in the population at the end of the year was:
- Options :** (a) 336600 (b) 363600
(c) 366300 (d) 330000
- Question 36:** There are 50 student enrolled in a MBA program of the enrolled students, 90% took the final exam. Two thirds of the students who took the final exam passed the final exam. How many students passed the final exam?
- Options :** (a) 30 (b) 33
(c) 34 (d) 35
- Question 37:** Company X owns 40% of the stock in the ABC Corporation. Company Y owns 15,000 shares. Company Z owns all the shares not owned by companies X or Y. How many shares of stock does company X own if company Y has 25% more shares than company X?
- Options :** (a) 45, 000 (b) 50, 000
(c) 60,000 (d) 75,000
- Question 38:** If $a + 2b = 5$ and $ab = 10$ what is $\frac{2}{a} + \frac{1}{b}$?
- Options :** (a) $\frac{1}{2}$ (b) 1
(c) $\frac{3}{2}$ (d) 2
- Question 39:** A train leaves New York at 9 A.M and travels east at a constant speed of x mph. If another train leaves New York at 10 A.M and travels east, at what constant rate of speed will the second train have to travel in order to first catch train at exactly 1:30 P.M.?
- Options :** (a) $\frac{5}{6}x$ (b) $\frac{9}{8}x$

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(c) $\frac{6}{5}x$

(d) $\frac{9}{7}x$

Question 40: Seema has a field in the shape of a triangle with area $150m^2$. If the length of the largest and smallest sides be 50m and 10m respectively what is the exact length of its third side?

- Options :** (a) 42.42 (b) 45
(c) 53 (d) 32

Question 41: A clock is set right at 5 am. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 10 pm on 4th day?

- Options :** (a) 10:48 pm (b) 11 pm
(c) 10 pm (d) 11:23 pm

Question 42: If radius = 5 cm and chord AB = 8 cm, find the distance of the chord AB from the centre.

- Options :** (a) 5 cm (b) 6cm
(c) 3 cm (d) 4cm

DIRECTIONS for questions 43 to 47:

[1 mark each]

Each question is followed by two statements, I and II.
Answer each question using the following instructions:

Choose [a] if the question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.

Choose [b] if the question can be answered by using either statement alone.

Choose [c] if the question can be answered using both statements together, but cannot be answered using either statement alone.

Choose [d] if the question cannot be answered even by using both statements together.

Question 43: If w, x, y and z represent non-zero numbers, what is the value of $(w \times x) / (y \times z)$?
I. $w + x = y + z$ II. $x = y$ and $w = z$.

- Options :** (a) [a] (b) [b]
(c) [c] (d) [d]

Question 44: What is the value of a if $10a - b = 14$?
I $b = 6$ II. $a = (b - 1) / 5$

- Options :** (a) [a] (b) [b]
(c) [c] (d) [d]

Question 45: What is the amount earned by Shyama from commissions on selling 40 magazine subscriptions?
(I) Each of the subscriptions was sold for Rs.15. (II) She received 25% commission on each of the subscriptions.

- Options :** (a) [a] (b) [b]
(c) [c] (d) [d]

Question 46: L, M, N, O, P, Q and R are consecutive integers in order. Is P an odd integer?
(I) $(M \times M) \times (Q \times Q)$ is even.
(II) $(L \times L) \times (Q \times Q)$ is even.

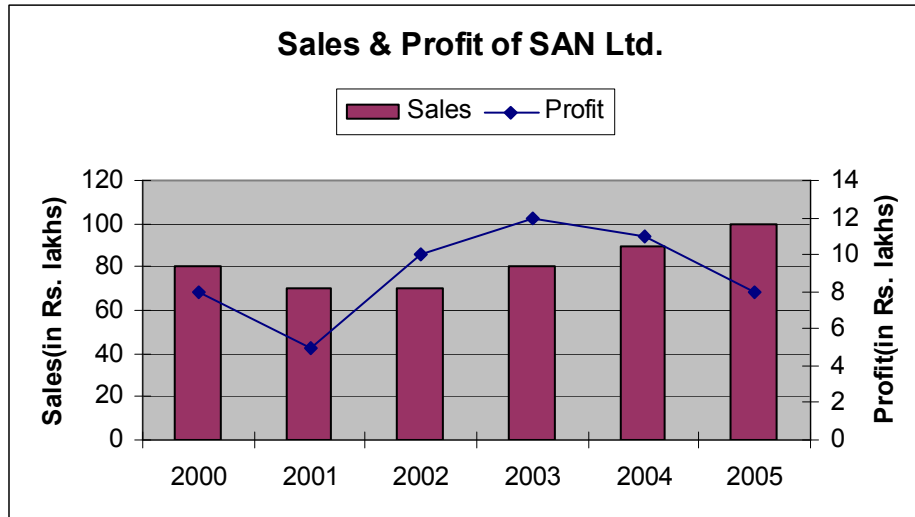
- Options :** (a) [a] (b) [b]
(c) [c] (d) [d]

Question 47: What is the ratio A:B?
(I) $A + B = 22$.
(II) A and B are both positive.

- Options :** (a) [a] (b) [b]
(c) [c] (d) [d]

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Directions for Questions (48-50): The following graph shows sales and profit of a company SAN Ltd. over the given years. Refer to the graph to answer the questions that follow. [2 marks each]



Question 48: During which of the following years was the company's profit equal to 10 percent of its sales?

Options : (a) 2000 (b) 2001
(c) 2002 (d) 2003

Question 49: For which of the following years the ratio of sales and profit is maximum?

Options : (a) 2005 (b) 2000
(c) 2002 (d) 2003

Question 50: In which of the following years did profit increase by the greatest percentage over the previous year?

Options : (a) 2001 (b) 2002
(c) 2003 (d) 2004

SECTION IV

8 Questions
15 Marks

Directions for Questions (51 – 55)

[1 mark each]

All the options at the end of each question are possible, but ONE of them is the WORST. Identify the worst option in the context of a modern working professional.

Question 51: A fire has broken out in the electrical circuit meter in your office building and there is a sudden chaos. There is enough time for you to walk out. You

- Options :**
- | | |
|---|--|
| (a) Call fire brigade from your mobile phone while rushing out. | (b) Look out for stranded employees, help them out and let out women etc. first. |
| (c) Run as far as you can and thank your lucky stars to be still alive. | (d) Think about what you will do in the break time till the damage is repaired. |

Question 52: Sudden spurt of work has led to closer deadlines. Clients want the work done or they threaten to close account. The staff is not too keen to put in late hours as they are already overworked and have prior commitments. You

- Options :**
- | | |
|--|---|
| (a) Give motivational lectures and increase incentives | (b) Discuss with clients that deadlines be relaxed for quality work otherwise it doesn't serve any purpose. |
| (c) Enforce late hours and join in to keep up the tempo and to monitor the work. | (d) Recruit temporary staff and increase cost to clients. |

Question 53: On working on a particular project for last six months the team's productivity has gone up by 1.5 times. You are required to review optimum utilization of resources. You

- Options :**
- | | |
|---|---|
| (a) You lay off extra employees to balance out productivity and thus save on finances | (b) You scout for more business opportunities to increase revenues |
| (c) You decrease working hours thereby saving on running expenses and decrease pay packets. | (d) You distribute profit as incentives among the team and create conducive work environment. |

Question 54: In your circle of friends, each person books tickets for movies for all others turn by turn. However, one person always forgets to pay for his share. You

- Options :**
- | | |
|---|---|
| (a) Put your foot down this time and do not book a ticket for him | (b) You discuss with others that this problem annoys you and want a consensus action. |
| (c) He being your friend, you book for him anyway | (d) You ask him to book tickets for everyone most often |

Question 55: You join a new firm which has been under autocratic style of management. You want to introduce changes for the better working environment of all employees but are faced with stiff confrontation from owners. How do you change this inbuilt perception of theirs?

- Options :**
- | | |
|--|---|
| (a) Get together like minded employees and suggest the option available and ways in which they can be dealt with | (b) Work alone putting together charts of modern management, upward communication |
| (c) Threaten to resign if your suggestions are not headed | (d) Spread discussions about, constantly complain about work environment |

Directions for Questions (56 – 58)

[2 marks each]

In each of the questions, there is a paragraph followed by four conclusions marked as (1), (2), (3), and (4). You have to rank the conclusions in the ORDER OF YOUR PREFERENCE and then choose the option that matches your preference list.

Question 56: You are dining at your favorite restaurant with new set of friends. You and your friends find the food does not suit your taste. You

- Conclusions :**
- | | |
|--|---|
| (1) Politely but firmly make your displeasure clear to the manager, with whom you have interacted on your earlier visits to the restaurant.. | (2) You do not let it show that you are embarrassed about the choice of restaurant. |
| (3) Feel the group of friends would look down on | (4) Get the group together to express their dissatisfaction and stage a walk out |

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you and hold you responsible for spoiling the evening.

- Options :** (a) 2, 1, 4, 3 (b) 3, 2, 1, 4
(c) 4, 1, 2, 3 (d) 1, 2, 3, 4

Question 57: In a software development cycle you often have a great push to deliver a product to the market place. But then, immediately following the initial release a shorter but equally important maintenance release is required. At this time your team is often tired and looking for new work. How do you motivate key individuals to stay involved with the maintenance of the product cycle and not feel they are being left behind as the next product is starting?

- Conclusions :** 1. Maintenance release schedule can be 2. Hold them up under the more mundane tasks if interspersed with some additional training during you see the end in sight. that time.
3. Keeping the staff as informed as possible as to 4. Restructure your bonus program, or implement a what the next projects will be and when they may be bonus program, that rewards significantly for getting involved in those projects. delivering quality and on-time for the maintenance releases.

- Options :** (a) 4,1,3,2 (b) 2,1,3,4
(c) 3,1,2,4 (d) 1,2,3,4

Question 58: One client of your company has been delaying payments every time and now the amount due has become too large to ignore. You are the accounts manager. You

- Conclusions :** 1 Send one last and final memo stating that it will be 2. You consult the CEO for his advice on the desired followed by legal action. action to be taken.
3. Make sure that you have done the best you could 4. Continue sending reminders for default in payments. so that no fingers point to you.

- Options :** (a) 2,4,3,1 (b) 2, 1, 4, 3
(c) 2, 3, 4, 1 (d) 2, 3, 1, 4

Directions for Questions (59-60)

[2 marks each]

Choose the MOST correct answer for the questions given below.

Question 59: Your carelessness has setback a project by two weeks. Before anyone else discovers that the cause for project delay is your carelessness, you

- Options :** (a) Find another junior employee as scapegoat and blame him. (b) Put in late hours and work hard to make up for your mistake and take responsibility for consequence.
(c) Keep talking about such a thing could have never happened to you and refuse to believe. (d) Slip into depression and wait for things to sort out on their own.

Question 60: John and Peter are best friends preparing for exams together. John comes to know there is a boy who has set of questions that may come in the exam. John

- Options :** (a) Does not believe in unfair means and ignores this information (b) Secretly collaborates with this third person to get the questions
(c) Consults Peter as to what they both should do. (d) Acquires the questions and very close to the exam, shares half of the information with Peter to keep his conscience clear.