

Q.1

Match the following idiomatic references to parts of the human anatomy

| | | | |
|----|---------|----|----------------------------------|
| 1) | palm | 5) | could not tolerate the insult |
| 2) | foot | 6) | to look at with envy and desire |
| 3) | eye | 7) | to put the blame on someone else |
| 4) | stomach | 8) | forced to pay the bill |

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- (a) 1-8, 2-6, 3-5, 4-7
 (b) 1-5, 2-7, 3-6, 4-8
 (c) 1-7, 2-8, 3-6, 4-5
 (d) 1-6, 2-8, 3-5, 4-7

Sol :

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.2

Find the maximum number of times any one of the given words fits the sets of sentences:

RAISE

ARISE

AROSE

RISE

- i) Opportunities will _____, and you must grab them.
 ii) A hot wind _____ from the desert.
 iii) I _____ at dawn on most days.
 iv) A mood of optimism _____ among the people.

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- (a) in all four sentences
 (b) in 3 sentences
 (c) in 2 sentences
 (d) in 1 sentences

Sol :

Ans : c

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@Instruction: Answer the following questions based on the information given below.

Q.3

Which two sentences in the following convey the same idea? Choose from the combinations listed below:

- 1) He is in a fool's paradise
 2) He can't see the wood for the trees
 3) He can't distinguish between reality and fancy.
 4) He is unable to separate unimportant details from the really important ones

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

Sol:

Ans : b

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@TopicId: 0

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@Instruction: Answer the following questions based on the information given below.

Q.4

Find the correct match of grammatical function with usage for the word THEN.

| | Function | |
|----|-------------|--|
| 1) | Noun | 5) He was the then King of Nepal. |
| 2) | Adjective | 6) I have not heard about him since then. |
| 3) | Adverb | 7) He is not feeling well, then how can he possibly go for the picnic. |
| 4) | Conjunction | 8) He was not a graduate then. |

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- (a) 1-8, 2-5, 3-7, 4-7
 (b) 1-6, 2-5, 3-8, 4-7
 (c) 1-7, 2-5, 3-6, 4-8
 (d) 1-8, 2-7, 3-6, 4-5

Sol :

Ans : b

@MarkingFactors: 3 1

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@Instruction: Answer the following questions based on the information given below.

Q.5

We can never make our beliefs regarding the world certain. Even scientific theory of a most rigorous and well-confirmed nature is likely to change over a decade or even tomorrow. If we refuse to even try to understand, then it is like resigning from the human race.

Undoubtedly life of an unexamined kind is worth living in other respects—as it is no mean thing to be a vegetable or an animal. It is also true that a man wishes to see this speculation domain beyond his next dinner.

From the above passage it is clear that the author believes that

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- (a) men would do well not to speculate
 (b) progress in the scientific field is impossible
 (c) one should live life with the dictum 'what will be will be'
 (d) men are different from animals as far as their reasoning abilities are concerned.

Sol :

Ans : c

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@Instruction: Answer the following questions based on the information given below.

Q.6

By 'Sanctimonious greens' the writer refers to

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- (a) aristocratic environmentalists
- (b) the rich
- (c) environmentalists with a 'holier than thou' attitude
- (d) those who decry deforestation

Sol :

Ans : c

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Sanctimonious greens call the Nano disastrous because of its affordability - millions more will now clog roads and consume more fossil fuel. This is elitism parading as virtue. Elite greens own cars, but cannot stand the poorer masses becoming mobile, since the consequent congestion will eat into the time of the elite!

More logical would be a protest against big cars that use more space and fuel, or highly polluting old cars. Instead, green hypocrites aim at a new car with the lowest cost, best mileage and least emissions. The Nano will not burden us with too many cars. India has very few cars per person by world standards. London and New York have ultra-high car densities, yet have clearer air than Delhi. Our problem is too many bad policies, not too many cars.

We subsidize vehicles on a gargantuan scale invisible to lay folk. Roads and flyovers cost crores to build and maintain, yet road use is free (save on a few toll roads). Traffic police and lights are costly, yet are provided free. These invisible subsidies starve cities of funds to expand roads and public transport. Land in cities now costs lakhs per square metre. Yet parking is free in the suburbs, and often costs just Rs.

10 day per day in city centres. A single parking space of 23 square meters occupies land worth Rs. 40 lakhs. A car occupies more space than an office desk, yet the desk space pays full commercial rent while parking space costs just about Rs. 10 per day.

Daily parking charges range from \$30 (Rs. 630) in Washington to \$30 (Rs. 1260) in New York. CSE launched a sensible campaign to raise parking fees in Delhi to Rs. 120 per day, but was foiled. So, parking space now exceeds green space, a scathing comment on priorities.

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2,00,000 crore, even after a recent price hike. This is far more than the cost of Sarva Shiksha Abhiyan (education for all) and the Employment Guarantee Scheme put together.

We sanctimoniously lecture rich countries to reduce their green house emissions, yet subsidize our own. Diesel is subsidized to be cheaper than petrol. So, Indian car makers produce the highest proportion of diesel cars in the world. Diesel fumes contain suspended particles that are highly toxic. This subsidy kills.

So does kerosene provided at throwaway prices, ostensibly to benefit poor villagers. One third of all kerosene is used to adulterate petrol and diesel. This causes horrendous pollution even in the greenest of cars.

What's the way forward? We must abolish subsidies and raise taxes on vehicles and fuels to reflect their full social cost. The biggest but least visible subsidy is for parking, and we should start there.

Many car owners in the West take public transport to work since parking space downtown is costly and scarce. We should levy parking fees on an hourly, not daily, basis. Rs. 10 per hour could be a starting point in the metros.

In parts of Tokyo, you cannot own a car unless you own a private parking space. This is too extreme for India, but indicates the future path. If we charge owners the full social cost of parking, people will buy smaller and perhaps fewer vehicles, and fewer still will take them to work. That will slash congestion and pollution.

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Apart from underground rail, cities need elevated roads to ease congestion and pollution. Lata Mangeshkar helped kill a proposal for an elevated road near her Mumbai flat: perhaps she felt her throat and singing would be affected. She did not care that the throats of poor people living on the pavements were far worse affected by fumes, and might get relief if some fumes were diverted to a higher level. What elitism!

Next, some medicine that will be really bitter, politically. The excise duty on all automotive vehicles should be raised to reflect their social costs. Fuel subsidies should be abolished. Price differentials between petrol, diesel and kerosene should be removed, ending incentives for adulteration. Diesel cars should bear a heavy additional cess to finance improved healthcare for those affected by their emission of harmful particulate matter.

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Q.7

The elite are

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- (a) jealous of Nano owners
- (b) afraid of traffic jams and depletion of fossil fuel
- (c) afraid of reaching their destinations late
- (d) full of disdain that the poor can afford cars

Sol:

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The paradox of the situation is that

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- (a) bigger cars mean more fuel, more space and more pollution
- (b) though India has fewer cars the Nano will bring more pollution
- (c) London and New York have more cars and less pollution
- (d) though India is smaller than the US its cars cause more pollution

Sol :

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Q.9

In saying 23 square metres of parking space costs 40 lakhs, the writer is _____

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- (a) Caustic
- (b) exaggerating
- (c) Sarcastic
- (d) ironical

Sol :

Ans : c

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Q.10

The writer blames India for

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- (a) subsidizing kerosene whereby greenhouse emissions are indirectly subsidized
- (b) subsidizing diesel
- (c) for increasing the cost of parking by the hour
- (d) for not making it mandatory for car owners to own parking space

Sol :

Ans : a

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Q. 11

The most suitable title for this passage is

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- (a) Polluting Politics
- (b) No No Nano
- (c) Submerge Subsidies
- (d) More Cars, Less Pollution

Sol :

After reading the entire passage, it is inferred that the passage talks about the ill effects of subsidies in fuel and the extent of pollution caused due to it. The passage concludes by saying that abolishing fuel subsidies and introducing heavy additional cess is required. Therefore option C, which is focused on abolition of subsidies is the correct answer.

Ans : c

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Sanctimonious greens call the Nano disastrous because of its affordability - millions more will now clog roads and consume more fossil fuel. This is elitism parading as virtue. Elite greens own cars, but cannot stand the poorer masses becoming mobile, since the consequent congestion will eat into the time of the elite!

More logical would be a protest against big cars that use more space and fuel, or highly polluting old cars. Instead, green hypocrites aim at a new car with the lowest cost, best mileage and least emissions. The Nano will not burden us with too many cars. India has very few cars per person by world standards. London and New York have ultra-high car densities, yet have clearer air than Delhi. Our problem is too many bad policies, not too many cars.

We subsidize vehicles on a gargantuan scale invisible to lay folk. Roads and flyovers cost crores to build and maintain, yet road use is free (save on a few toll roads). Traffic police and lights are costly, yet are provided free. These invisible subsidies starve cities of funds to expand roads and public transport. Land in cities now costs lakhs per square metre. Yet parking is free in the suburbs, and often costs just Rs.

10 day per day in city centres. A single parking space of 23 square meters occupies land worth Rs. 40 lakhs. A car occupies more space than an office desk, yet the desk space pays full commercial rent while parking space costs just about Rs. 10 per day.

Daily parking charges range from \$30 (Rs. 630) in Washington to \$30 (Rs. 1260) in New York. CSE launched a sensible campaign to raise parking fees in Delhi to Rs. 120 per day, but was foiled. So, parking space now exceeds green space, a scathing comment on priorities.

The world price of crude oil has risen 13 fold since 1998 to over \$139 per barrel, but Indian petrol prices have barely doubled. Left Front politicians, who once wanted to soak the rich, now want to subsidize them. Under-recoveries of oil companies' total may be Rs. 2,00,000 crore, even after a recent price hike. This is far more than the cost of Sarva Shiksha Abhiyan (education for all) and the Employment Guarantee Scheme put together.

We sanctimoniously lecture rich countries to reduce their green house emissions, yet subsidize our own. Diesel is subsidized to be cheaper than petrol. So, Indian car makers produce the highest proportion of diesel cars in the world. Diesel fumes contain suspended particles that are highly toxic. This subsidy kills.

So does kerosene provided at throwaway prices, ostensibly to benefit poor villagers. One third of all kerosene is used to adulterate petrol and diesel. This causes horrendous pollution even in the greenest of cars.

What's the way forward? We must abolish subsidies and raise taxes on vehicles and fuels to reflect their full social cost. The biggest but least visible subsidy is for parking, and we should start there.

Many car owners in the West take public transport to work since parking space downtown is costly and scarce. We should levy parking fees on an hourly, not daily, basis. Rs. 10 per hour could be a starting point in the metros.

In parts of Tokyo, you cannot own a car unless you own a private parking space. This is too extreme for India, but indicates the future path. If we charge owners the full social cost of parking, people will buy smaller and perhaps fewer vehicles, and fewer still will take them to work. That will slash congestion and pollution.

Cities should levy stiff annual taxes on vehicles, not a one-time tax, and use the revenue to constantly expand public transport and roads. This will create economic synergy: Private transport will finance public transport. London and New York have high density public transport as well as high car density.

Apart from underground rail, cities need elevated roads to ease congestion and pollution. Lata Mangeshkar helped kill a proposal for an elevated road near her Mumbai flat: perhaps she felt her throat and singing would be affected. She did not care that the throats of poor people living on the pavements were far worse affected by fumes, and might get relief if some fumes were diverted to a higher level. What elitism!

Next, some medicine that will be really bitter, politically. The excise duty on all automotive vehicles should be raised to reflect their social costs. Fuel subsidies should be abolished. Price differentials between petrol, diesel and kerosene should be removed, ending incentives for adulteration. Diesel cars should bear a heavy additional cess to finance improved healthcare for those affected by their emission of harmful particulate matter.

That is a long, politically difficult agenda. Only part of it will ever be achieved. Yet that is the way to go, rather than agitate the Nano.

Q.12

The plural of Virus is

SNAP -2008

- (a) Viruses
- (b) Virae
- (c) Virii
- (d) Virus

Sol :

The plural of virus is viruses. option A is the correct answer.

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.13

If the following segments of a sentence are to be rearranged in logical order as A, B, C, D where would '3' be placed

SNAP -2008

- 1) to see that students do not altogether forget to write especially during exam time
- 2) the education groups are now asking for hand writing classes
- 3) thanks to mobile testing and computer literacy
- 4) writing in long hand is becoming a vanishing art

- (a) A
- (b) B
- (c) C
- (d) D

Sol : Writing in long hand is becoming a vanishing art thanks to mobile testing and computer literacy. The education groups are now asking for hand writing classes to see that students do not altogether forget to write especially during exam time.

The above gives the correct ordering of the sentences. We can see that the third sentence, comes in the second part of the sentence.

Hence, option B is the correct answer.

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.14

If leaf is to leaves and knife is to knives, then belief is to -----

SNAP -2008

- (a) beliefs
- (b) believes
- (c) belief
- (d) believing

Sol : The connection between the words is that the second word is the plural form of the first word. The plural of belief is beliefs. Hence, option A is the correct answer.

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.15

Choose the sentence where the underlined word is used correctly.

SNAP -2008

- (a) This latest novel is a pedestrian story about spies.
- (b) The exam paper is not pedestrian but difficult.
- (c) This is the pedestrian highway.
- (d) Every week we are forced to listen to a pedestrian lecture.

Sol : The correct meaning of the word pedestrian is a person who is walking on the roads. It can also be used to mean something commonplace, uninteresting and ordinary.

Let's look at the options one by one -

Option A: A story of spies cannot be an ordinary story - as in, it does not occur in ordinary life. Hence, this is incorrect usage.

Option B: Here pedestrian is used as an antonym of difficult which is wrong usage.

Option C: A highway cannot be a pedestrian one. If a road is meant for only walkers then the right word to use is pathway or walkway.

Option D: This correct usage. It is used as an adjective to indicate a very ordinary lecture.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.16

When the fire alarm rang _____ left the building immediately

SNAP -2008

- (a) all
- (b) everyone
- (c) all the people
- (d) every person

Sol :

Answer : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.17

In the following sentence choose the erroneous segment/s

He is one of those people /A who thinks /B he owns the world/C

SNAP -2008

(a) Error in segment A

(b) Error in segment B

(c) Error in segment A & C

(d) Error in segment B & C

Sol :

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.18

Choose the correct meaning for the word:

cynic-

SNAP -2008

(a) the person who is selfish

(b) the person who is concerned about others

(c) the person who isn't misanthropic

(d) the person who believes that people always act from selfish motives

Sol :

The meaning of the word cynic is , "a person who believes that people are motivated purely by self-interest rather than acting for honourable or unselfish reasons."

Option D is hence the correct answer.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.19

Choose the word with incorrect spelling

SNAP -2008

(a) catagories

(b) diarrhoea

(c) omission

(d) inaugurate

Sol:

The correct spelling for option A is categories.

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.20

Pick out the right sentences.

SNAP -2008

- 1) I will go with you.
- 2) There was nobody I could go with.
- 3) I have a glass with painting on it.
- 4) The curtains do not match with the furniture.

(a) 1 & 2

(b) 2 & 3

(c) 1 & 4

(d) All

Sol :

Sentence 3 is incorrect. I have painted glass would be a correct sentence.

Similarly, sentence 4 is incorrect. "The curtains do not match the furniture.", would be a correct sentence.

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.21

About the following pair of phrases, choose the correct option.

i. A two days' visit

ii. A two day's visit

SNAP -2008

- (a) The first phrase is erroneous
- (b) The second phrase is erroneous
- (c) Both phrases are erroneous
- (d) Both phrases are correct

Sol : Both the phrases are incorrect. The correct form would be "A two day visit."

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.22

According to the passage, taxation in Roman times was based on

SNAP -2008

- (a) mobility
- (b) wealth
- (c) population
- (d) census takers

Sol :

From the passage we can infer that, the Romans took a head count to estimate the amount of tax that had to be levied on the Roman populace. Hence, the correct answer is option C , population.

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the question based on the passage given below.

Nearly two thousand years have passed since a census decreed by Caesar Augustus became part of the greatest story ever told. Many things have changed in the intervening years. The hotel industry worries more about overbuilding than overcrowding, and if they had to meet an unexpected influx, few inns would have managed to accommodate the weary guests. Now it is the census taker that does the travelling

in the fond hope that a highly mobile population will stay put long enough to get a good sampling. Methods of gathering, recording and evaluating information have presumably been improved a great deal. And where then it was the modest purpose of Rome to obtain a simple head count as an adequate basis for levying taxes, now batteries of complicated statistical series furnished by governmental agencies and private organizations are eagerly scanned and interpreted by sages and seers to get a clue for future events.

The Bible does not tell us how the Roman census takers made out, and as regards our more immediate concern, the reliability of present-day economic forecasting, there are considerable differences of opinion. They were aired at the celebration of the 125th anniversary of the American Statistical Association. There was the thought that business forecasting might well be on its way from an art to a science, and some speakers talked about new-fangled computers and high-faulting mathematical systems in terms of excitement and endearment, which we, at least in our younger years when these things mattered, would have associated more readily with the description of a fair maiden.

But others pointed to a deplorable record of highly esteemed forecasts and forecasters with a batting average below that of the Mets and the President elect of the Association cautioned that "high-powered statistical methods are usually in order where the facts are crude and inadequate, statisticians assume." We left his birthday party somewhere between hope and despair and with the conviction, not really newly acquired, that proper statistical methods applied to ascertainable facts have their merits in economic forecasting as long as neither forecaster nor public is deluded into mistaking the delineation of probabilities and trends for a prediction of certainties of mathematical exactitude.

Q.23

The author refers to the Mets primarily in order to

SNAP -2008

- (a) show that sports do not depend on statistics
- (b) contrast verifiable and unverifiable methods of record keeping
- (c) indicate the changes in attitudes from Roman days to the present
- (d) illustrate the failure of statistical predictions.

Sol:

The primary idea of the last paragraph is to show how advanced and complex statistical methods and their predictions are insufficient on the face of crude and incomplete facts. The author refers to the Mets to give an illustration of the failure of statistical predictions. Option D comes closest to this idea, hence it is the correct answer.

Ans: D

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the question based on the passage given below.

Nearly two thousand years have passed since a census decreed by Caesar Augustus became part of the greatest story ever told. Many things have changed in the intervening years. The hotel industry worries more about overbuilding than overcrowding, and if they had to meet an unexpected influx, few inns would have managed to accommodate the weary guests. Now it is the census taker that does the travelling

in the fond hope that a highly mobile population will stay put long enough to get a good sampling. Methods of gathering, recording and evaluating information have presumably been improved a great deal. And where then it was the modest purpose of Rome to obtain a simple head count as an adequate basis for levying taxes, now batteries of complicated statistical series furnished by governmental agencies and private organizations are eagerly scanned and interpreted by sages and seers to get a clue for future events.

The Bible does not tell us how the Roman census takers made out, and as regards our more immediate concern, the reliability of present-day economic forecasting, there are considerable differences of opinion. They were aired at the celebration of the 125th anniversary of the American Statistical Association. There was the thought that business forecasting might well be on its way from an art to a science, and some speakers talked about new-fangled computers and high-faulting mathematical systems in terms of excitement and endearment, which we, at least in our younger years when these things mattered, would have associated more readily with the description of a fair maiden.

But others pointed to a deplorable record of highly esteemed forecasts and forecasters with a batting average below that of the Mets and the President elect of the Association cautioned that "high-powered statistical methods are usually in order where the facts are crude and inadequate, statisticians assume." We left his birthday party somewhere between hope and despair and with the conviction, not really newly acquired, that proper statistical methods applied to ascertainable facts have their merits in economic forecasting as long as neither forecaster nor public is deluded into mistaking the delineation of probabilities and trends for a prediction of certainties of mathematical exactitude.

Q.24

The author's tone can best be described as

SNAP -2008

- (a) jocular
- (b) scornful
- (c) pessimistic
- (d) humanistic

Sol :

After reading the whole passage, we can infer that the author has written it with contempt for the existing practice of glorifying highly powered statistical methods, while the data collected are crude and inadequate.

Hence, the correct option would be scornful.

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the question based on the passage given below.

Nearly two thousand years have passed since a census decreed by Caesar Augustus became part of the greatest story ever told. Many things have changed in the intervening years. The hotel industry worries more about overbuilding than overcrowding, and if they had to meet an unexpected influx, few inns would have managed to accommodate the weary guests. Now it is the census taker that does the travelling

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But others pointed to a deplorable record of highly esteemed forecasts and forecasters with a batting average below that of the Mets and the President elect of the Association cautioned that "high-powered statistical methods are usually in order where the facts are crude and inadequate, statisticians assume." We left his birthday party somewhere between hope and despair and with the conviction, not really newly acquired, that proper statistical methods applied to ascertainable facts have their merits in economic forecasting as long as neither forecaster nor public is deluded into mistaking the delineation of probabilities and trends for a prediction of certainties of mathematical exactitude.

Q.25

Disinterested is closest in meaning to

SNAP -2008

- (a) bored
- (b) unbiased
- (c) not interested
- (d) indifferent

Sol :

A disinterested person is an impartial person. The closest option that gives this meaning is option B, unbiased.

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.26

Choose the option which is the nearly opposite in meaning to BERATE

SNAP -2008

- (a) grant
- (b) praise
- (c) refer
- (d) purchase

Sol:

The meaning of the word berate is to criticize someone. The correct antonym would be to praise someone.

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.27

Arrange the following in the right order to make a complete sentence

- i. with interconnected vibrating balls and springs
- ii. in a naïve sense, a field in physics may be envisioned as if space were filled
- iii. as the displacement of a ball from its rest position
- iv. and the strength of the field can be visualized

SNAP -2008

- (a) ii, i, iv, iii
- (b) i, ii, iii, iv
- (c) iv, iii, ii, I
- (d) iii, iv, i, ii

Sol :

The sentence compares visualising the displacement of a ball with the visualisation of a field in physics.

The correct sentence would be :

in a naïve sense, a field in physics may be envisioned as if space were filled with interconnected vibrating balls and springs and the strength of the field can be visualized as the displacement of a ball from its rest position.

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.28

Select the odd man out from the given alternatives.

SNAP -2008

- (a) latent
- (b) natural
- (c) inborn
- (d) inherent

Sol :

The words natural, inborn and inherent all mean by birth. For example natural talent means that a person has some talent by birth.

However, latent has a meaning ,hidden. Latent talent means hidden talent.

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.29

In each of the following sentences, parts of the sentence are left blank. Beneath each sentence, different ways of completing the sentence are indicated. Choose the best alternative among them.

He told the teacher that _____.

SNAP -2008

- (a) he was liked by the whole class
- (b) you are liked by the whole class
- (c) he is liked by the whole class
- (d) you were liked by the whole class

Sol :

When writing in passive voice, third form only should be used. Using "you" in passive voice is grammatically incorrect. Hence option B and D is incorrect.

Passive form of active sentences are usually of the form Object + was/were + subject
Option A is the correct answer.

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.30

Match the several meanings of the word COMPLEX with their appropriate usages.

| | Meaning | Usage |
|----|------------------------|---|
| 1) | complicated | 5) A new sports complex is coming up for the Common Wealth Games. |
| 2) | abnormal state of mind | 6) Culture is a complex whole of many things. |
| 3) | group of structures | 7) She has a complex about being overweight. |
| 4) | mixture | 8) His motives in carrying out the crime were complex. |

SNAP -2008

- (a) 1-6, 2-8, 3-7, 4-5
- (b) 1-8, 2-7, 3-5, 4-6
- (c) 1-5, 2-7, 3-6, 4-8
- (d) 1-8, 2-5, 3-6, 4-7

Sol:

A new sports complex is coming up for the common wealth games. Here, the word complex means a group of structures.

She has a complex about being overweight. Here, the word complex means abnormal state of mind.

Culture is a complex whole of many things. Here, mixture would be the correct meaning of complex.

His motives in carrying out the crime was complex. Here, complex would mean complicated.

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.31

Which does not make a sensible word/phrase when added to the word:

Honey

SNAP -2008

(a) pot

(b) suckle

(c) Comb

(d) taste

Sol:

Honeypot: A honeypot is using romance to trap and blackmail a target.

Honeysuckle: A honeysuckle is a particular type of shrub.

Honeycomb: A honeycomb is built by honeybees.

The above three are meaningful words. Honey taste is however not meaningful. Hence, it is the correct answer.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

Q.32

The New York bankers counted on –

SNAP -2008

(a) Current market values

(b) The number of sell orders

(c) Confidence

(d) Their reputation

Sol :

"Although the buy orders were minimal, they were counting on their reputations to restore confidence on the part of the smaller investors,"

From the above sentence, it is clear that option D, their reputation, is the correct answer.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the question based on the passage given below.

In September of 1929, traders experienced a lack of confidence in the stock market's ability to continue its phenomenal rise. Prices fell.

For many inexperienced investors, the drop produced a panic. They had all their money tied up in the market, and they were pressed to sell before the prices fell even lower. Sell orders were coming in so fast that the ticker tape at the New York Stock Exchange could not accommodate all the transactions.

To try to reestablish confidence in the market, a powerful group of New York bankers agreed to pool their funds and purchase stock above current market values. Although the buy orders were minimal, they were counting on their reputations to restore confidence on the part of the smaller investors, thereby affecting the number of sell orders. On Thursday, October 24, Richard Whitney, the Vice President of the New York Stock Exchange and a broker for the J.P. Morgan Company, made the effort on their behalf. Initially it appeared to have been successful, then, on the following Tuesday, the crash began again and accelerated. By 1932, stocks were worth only twenty percent of their value at the 1929 high. The results of the crash had extended into every aspect of the economy, causing a long and painful depression, referred to in American history as the Great Depression.

Q.33

The cause of downfall of share market was-

SNAP-2008

- (a) Inexperienced investors
- (b) Phenomenal decrease
- (c) Lack of confidence in stock market's ability
- (d) Panic amongst investors

Sol : Option A is incorrect. This is because the passage does not attribute the cause of the downfall of the share market to inexperienced investors. It was not an investing error that lead to the Great depression.

Option B is vague and is incorrect.

Option C cites the lack of confidence in the stock market's ability. This option misrepresents the information present in the passage.

The traders experienced a lack of confidence in the ability of market to continue the phenomenal rise. They still had confidence in the stock market, they just did not have confidence that it would keep having the phenomenal rise that it had.

Option D is the most appropriate answer. The initial drop produced a panic, that cascaded rapidly and culminated in the great depression.

Answer: d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the question based on the passage given below.

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Q.34

Choose the word in the passage that is an antonym of 'minimal'

SNAP -2008

- (a) Negligible
- (b) Minimum
- (c) Maximal
- (d) Significant

Sol :

The only antonym for the word minimal from the options would be significant.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the question based on the passage given below.

In September of 1929, traders experienced a lack of confidence in the stock market's ability to continue its phenomenal rise. Prices fell.

For many inexperienced investors, the drop produced a panic. They had all their money tied up in the market, and they were pressed to sell before the prices fell even lower. Sell orders were coming in so fast that the ticker tape at the New York Stock Exchange could not accommodate all the transactions.

To try to reestablish confidence in the market, a powerful group of New York bankers agreed to pool their funds and purchase stock above current market values. Although the buy orders were minimal, they were counting on their reputations to restore confidence on the part of the smaller investors, thereby affecting the number of sell orders. On Thursday, October 24, Richard Whitney, the Vice President of the New York Stock Exchange and a broker for the J.P. Morgan Company, made the effort on their behalf. Initially it appeared to have been successful, then, on the following Tuesday, the crash began again and accelerated. By 1932, stocks were worth only twenty percent of their value at the 1929 high. The results of the crash had extended into every aspect of the economy, causing a long and painful depression, referred to in American history as the Great Depression.

Q.35

Identify the correct sentence.

SNAP -2008

- (a) The office is opposite to the bank.
- (b) The office is opposite the bank.
- (c) The office is opposite from the bank.

(d) The office is opposite of the bank.

Sol :

The word opposite itself can be used as a preposition.

When "opposite to" is used, opposite acts as an adjective to the preposition to. While this is grammatically correct, the more accepted English usage would be to use opposite only. Hence, option B is correct.

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

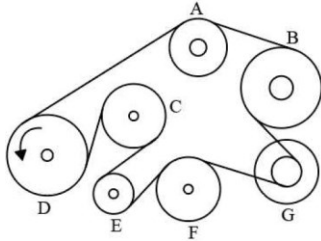
@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.36

A band passes around all the wheels so that they can all be turned by the driving wheel. When the driving wheel turns in the direction shown, which way will the wheel B turn?



(a) Clockwise

(b) Cannot move

(c) Anti-clockwise

(d) Either way

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.37

In a certain language, (A) 'Sun shines brightly' is written as 'ba lo sul'; (B) ' Houses are brightly lit' is written as 'kado udo ari ba'; and (C) 'Light comes from sun' as 'dapi kup lo nro'. What words will be written for 'sun' and 'brightly'?

(a) lo, ba

(b) ba, lo

(c) sul, lo

(d) ba, sul

Sol :

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

SNAP -2008

SNAP -2008

Q.38

Given are the following three equations:

1. $\blacksquare \bullet = \blacktriangle$

2. $\blacksquare = \bullet \blacklozenge$

3. $\blacktriangle \blacktriangle = \blacklozenge \blacklozenge \blacklozenge$

How many circles are equivalent to a square, as per the ratios in the three given equations?

SNAP -2008

A $\blacksquare = \bullet \bullet \bullet \bullet \bullet$

B $\blacksquare = \bullet \bullet \bullet \bullet$

C $\blacksquare = \bullet \bullet \bullet$

D $\blacksquare = \bullet \bullet$

Sol :

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.39

Each child in a family has at least 4 brothers and 3 sisters. What is the smallest number of children the family might have?

SNAP -2008

(a) 7

(b) 8

(c) 9

(d) 10

Sol:

Ans: c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.40

In the following question two statements are followed by two conclusions numbered I and II. Assume the two statements are true even if they are at variance with commonly known facts. Then pick the correct answer from the choices given below.

Statements: Some doctors are fools. Joshi is a doctor.

Conclusions:

I. Joshi is a fool.

II. Some fools are doctors.

SNAP -2008

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusions I & II follow
- (d) Neither conclusion I nor conclusion II follows

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.41

Debu walks towards the east then towards North and turning 45° right walks for a while and lastly turns towards left. In which direction is he walking now?

SNAP -2008

- (a) North
- (b) East
- (c) South-East
- (d) North-West

Sol :

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.42

How many cubes will have only one colour?

SNAP -2008

- (a) 0
- (b) 12
- (c) 14
- (d) 18

Sol :

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

I. There is a rectangular wooden block of length 4 cm, height 3 cm and breadth 3 cm.

- II. The two opposite surfaces of $4\text{ cm} \times 3\text{ cm}$ are painted yellow on the outside.
- III. The other two opposite surfaces of $4\text{ cm} \times 3\text{ cm}$ are painted red on the outside.
- IV. The remaining two surfaces of $3\text{ cm} \times 3\text{ cm}$ are painted green on the outside.
- V. Now, the block is cut in such a way that cubes of $1\text{ cm} \times 1\text{ cm} \times 1\text{ cm}$ are created.

Q.42

How many cubes will have only one colour?

SNAP -2008

- (a) 0
- (b) 12
- (c) 14
- (d) 18

Sol :

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

I. There is a rectangular wooden block of length 4 cm , height 3 cm and breadth 3 cm .

II. The two opposite surfaces of $4\text{ cm} \times 3\text{ cm}$ are painted yellow on the outside.

III. The other two opposite surfaces of $4\text{ cm} \times 3\text{ cm}$ are painted red on the outside.

IV. The remaining two surfaces of $3\text{ cm} \times 3\text{ cm}$ are painted green on the outside.

V. Now, the block is cut in such a way that cubes of $1\text{ cm} \times 1\text{ cm} \times 1\text{ cm}$ are created.

Q.43

How many cubes will have no colour?

SNAP -2008

- (a) 1
- (b) 2
- (c) 4
- (d) 8

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

I. There is a rectangular wooden block of length 4 cm , height 3 cm and breadth 3 cm .

II. The two opposite surfaces of $4\text{ cm} \times 3\text{ cm}$ are painted yellow on the outside.

III. The other two opposite surfaces of $4\text{ cm} \times 3\text{ cm}$ are painted red on the outside.

IV. The remaining two surfaces of $3\text{ cm} \times 3\text{ cm}$ are painted green on the outside.

V. Now, the block is cut in such a way that cubes of $1\text{ cm} \times 1\text{ cm} \times 1\text{ cm}$ are created.

Q. 44

How many cubes will have any two colours?

SNAP -2008

- (a) 34
- (b) 24
- (c) 16

(d) 12

Sol :

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

I. There is a rectangular wooden block of length 4 cm, height 3 cm and breadth 3 cm.

II. The two opposite surfaces of 4 cm × 3 cm are painted yellow on the outside.

III. The other two opposite surfaces of 4 cm × 3 cm are painted red on the outside.

IV. The remaining two surfaces of 3 cm × 3 cm are painted green on the outside.

V. Now, the block is cut in such a way that cubes of 1 cm × 1 cm × 1 cm are created.

Q.45

Read the following about the grid given below and answer.

- The cells in this grid contain the digits 1 to 9 in random order.
- Column A contains no odd digits.
- Cell C3 minus Cell C2 equals 4.
- The sum of three digits in Row 1 is 17.
- Number 7 is in column B; its left hand neighbour is not 4.
- The digits of Column C add up to 14.
- 2 is not in the same horizontal row as 8; and 9 is not immediately below 3.

Which cell holds the number 9 ?

| | A | B | C |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |

SNAP -2008

(a) B1

(b) B3

(c) C2

(d) C1

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.46

Replace the question mark with the right option.

4, 32, 288, ?, 31680

SNAP -2008

(a) 25600

(b) 2880

(c) 7420

(d) 10000

Sol:

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.47

In the Sunday bazaar, Jamuna sells her lemons at Rs. 0.50 for two. Her neighbour Seema has a little smaller lemons; she sells hers at Rs. 0.50 for three. After a while, when both ladies have the same number of lemons left, Seema is called away. She asks her neighbour to take care of her goods. To make things simple, Jamuna puts all lemons in one big pile, and starts selling five lemons per one rupee. When Seema returns, at the end of the day, all lemons have been sold. But when they start dividing the money, there appears to be a shortage of Rs. 3.50. Supposing they divide the money equally, how much does Jamuna lose with this deal?

SNAP -2008

(a) Rs. 10.50

(b) Rs. 11.50

(c) Rs. 42.00

(d) Rs. 52.50

Sol :

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.48

There are two cups, one containing orange juice and one containing an equal amount of lemonade. One teaspoon of the orange juice is taken and mixed with the lemonade. Then a teaspoon of this mixture is mixed back into the orange juice. Is there more lemonade in the orange juice or more orange juice in the lemonade?

SNAP -2008

(a) More orange juice in the lemonade

(b) More lemonade in the orange juice

(c) Equal amount of each juice between the two cups

(d) None of the above

Sol:

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q. 49

Consider the statement and decide which of the assumptions are implicit:-

“In the present period of economic hardships, education and small family norm may lead the nation to progress and prosperity”

Assumptions:

- A. Education and small family norms are directly related to nation's progress.
B. Big families find it difficult to bear the cost of education.

SNAP -2008

- (a) Only A is implicit.
(b) Only B is implicit.
(c) Both A and B are implicit.
(d) Neither A nor B is implicit.

Sol :

Ans: a

@MarkingFactors: 3 1

@SubjectId: 0

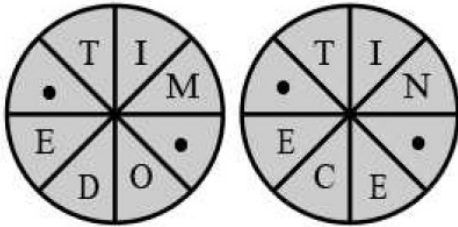
@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.50

Fill in the blanks to find out two words that are synonyms



- (a) KS, ST
(b) MS, NT
(c) ST, DN
(d) MS, DN

Sol :

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.51

Beautiful beaches attract people, no doubt about that. Just look at the city's most beautiful beaches, which are amongst the most overcrowded places in the state. Which of the following exhibits a pattern of reasoning similar to the one exhibited in the argument above?

SNAP -2008

- (a) Moose and bear usually appear at the same drinking hole at the same time of the day. Therefore, moose and bear must be feeling thirsty at about the same time.
(b) Children who are scolded severely tend to misbehave more often than other children. Hence if a child is not scolded severely, that child is less likely to misbehave.
(c) During warm weather my dog suffers more fleas than during cool weather. Therefore, fleas must thrive in a warm environment.
(d) Tally accounting software helps increase the work efficiency of its users. As a result, these users have more time for other activities.

Sol :

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.52

Abdul, Mala and Chetan went bird watching. Each of them saw one bird that none of the others did. Each pair saw one bird that the third did not. And one bird was seen by all three. Of the birds Abdul saw, two were yellow. Of the birds Mala saw, three were yellow. Of the birds Chetan saw, four were yellow. How many yellow birds were seen in all? How many non-yellow birds were seen in all?

SNAP -2008

(a) 7 yellow birds and 3 non yellow birds

(b) 5 yellow birds and 2 non yellow birds

(c) 4 yellow birds and 2 non yellow birds

(d) 3 yellow birds and 2 non yellow birds

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.53

In each of the following two sets I & II, find the word or pair of words different from the other three words or pair of words:

I: J. Lake K. Brook

L. Stream M. River

II: J. Weighty-Heavy K. Broad-Wide

L. Big-Large M. Tiny-Small

SNAP -2008

(a) I-J, II-J

(b) I-K, II-M

(c) I-K, II-J

(d) I-J, II-K

Sol :

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

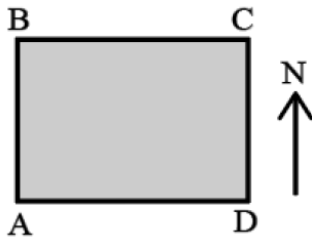
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@Instruction: For the following questions answer them individually.

Q.54

A, B, C and D are standing on the four corners of a square field as shown in the figure. From the positions shown in the figure, A walks to North position and B walks to the East position while C decides to walk two sides in anticlockwise direction. B walks to North and then changes his mind to take the previous position. Identify the choice with correct positions.



SNAP -2008

- (a) A & B occupy the same position.
- (b) C & D occupy the same position.
- (c) D & B are in their original positions.
- (d) B & C are diagonally opposite positions.

Sol :

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.55

A gambler bet on a horse race, but the bookie wouldn't tell him the results of the race. The bookie gave clues as to how the five horses finished - which may have included some ties - and wouldn't pay the gambler off unless the gambler could determine how the five horses finished based on the following clues:

- o Penn Fe finished before Night Marvel and after Wish Bones.
- o If Hallelujah is not tied with Sundae, then Wish Bones is tied with Penn Fe.
- o Penn Fe finished as many places after Sundae as Sundae finished after Wish Bones if and only if Wish Bones finished before Night Marvel.

The gambler thought for a moment, then answered correctly. How did the five horses finish the race?

SNAP -2008

- (a) Sundae came in first. Wish Bones and Hallelujah tied for second place. Penn Fe came in fourth. Night Marvel came in fifth.
- (b) Wish Bones came in first. Sundae and Penn Fe tied for second place. Hallelujah came in fourth. Night Marvel came in fifth.
- (c) Wish Bones came in first. Sundae and Hallelujah tied for second place. Penn Fe came in fourth. Night Marvel came in fifth.
- (d) Penn Fe came in first. Night Marvel and Hallelujah tied for second place. Wish Bones came in fourth. Sundae came in fifth.

Sol :

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.56

In a school drill, a number of children are asked to stand in a circle. They are evenly spaced and the 6th child is diametrically opposite the 16th child. How many children are made to stand in the circle?

SNAP -2008

- (a) 16
- (b) 20
- (c) 22
- (d) None of the above

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.57

In this question insert the missing number at the sign of interrogation.

| | | | |
|----|----|----|---|
| 8 | 4 | 9 | 5 |
| 5 | 7 | 3 | 4 |
| 3 | 4 | 5 | 8 |
| 39 | 44 | 60 | ? |

SNAP -2008

- (a) 62
- (b) 72
- (c) 60
- (d) 70

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

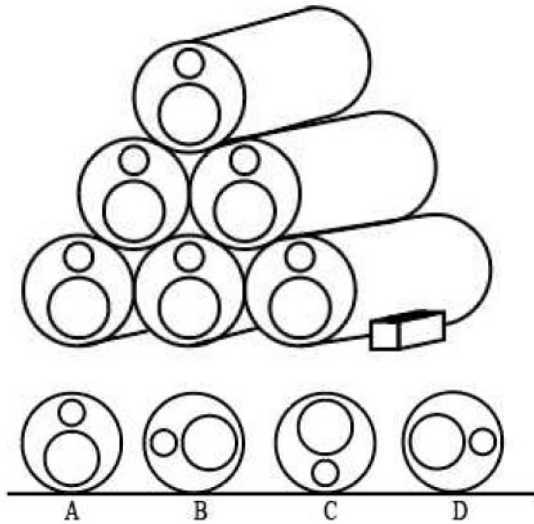
@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q.58

Steel cylinders are made so that each one has a large and small hole through the middle. In the drawing six cylinders have been stacked on top of each other. To stop the cylinders from rolling on the smooth floor they are wedged by heavy blocks at each side of bottom row. If the heavy blocks are removed what would be the position of the cylinder when they stopped rolling?



SNAP -2008

- (a) A
- (b) B
- (c) C
- (d) D

Sol :

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually.

Q. 59

Which of the groups has only ladies?

- (a) ABC
- (b) BCD
- (c) CDE
- (d) None of the above

Sol :

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

- i. There is a group of 5 persons A, B, C, D and E
- ii. In the group there is one badminton player, one chess player and one tennis player
- iii. A and D are unmarried ladies and they do not play any games
- iv. No lady is a chess player or a badminton player
- v. There is a married couple in the group of which E is the husband
- vi. B is the brother of C and is neither a chess player nor a tennis player

Q.60

Who is the tennis player?

SNAP -2008

SNAP -2008

- (a) B
- (b) C
- (c) D
- (d) E

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

- i. There is a group of 5 persons A, B, C, D and E
- ii. In the group there is one badminton player, one chess player and one tennis player
- iii. A and D are unmarried ladies and they do not play any games
- iv. No lady is a chess player or a badminton player
- v. There is a married couple in the group of which E is the husband
- vi. B is the brother of C and is neither a chess player nor a tennis player

Q.61

Who is the wife of E?

SNAP -2008

- (a) A
- (b) B
- (c) D
- (d) None of the above

Sol:

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

- i. There is a group of 5 persons A, B, C, D and E
- ii. In the group there is one badminton player, one chess player and one tennis player
- iii. A and D are unmarried ladies and they do not play any games
- iv. No lady is a chess player or a badminton player
- v. There is a married couple in the group of which E is the husband
- vi. B is the brother of C and is neither a chess player nor a tennis player

Q.62

Consider the following statements and answer the question.

M, N, O and P are all different individuals. M is the daughter of N. N is the son of O. O is the father of P.

Which among the following statements is contradictory to above premises?

SNAP -2008

- (a) P is the father of M.
- (b) O has three children.
- (c) M has one brother.
- (d) M is the granddaughter of O.

Sol :

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

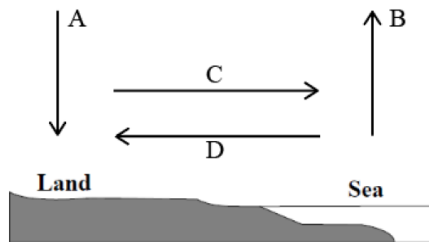
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@Instruction: For the following questions answer them individually

Q. 63

The drawing shows a cross section where the land meets the sea. The section covered is 5 kilometers. On a hot day, in which direction, indicated by four arrows, is the wind most likely to blow?



SNAP -2008

(a) A

(b) B

(c) C

(d) D

Sol :

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.64

Uneducated urban hard-working and honest people are indicated by:

(a) 3

(b) 11

(c) 9

(d) 4

Sol :

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

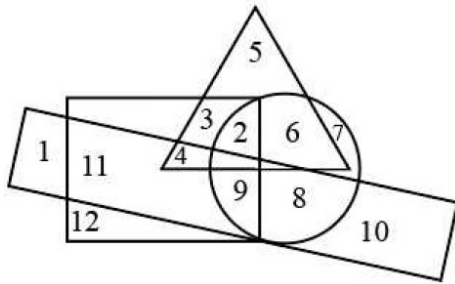
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:

SNAP -2008



Q.65

Non-urban educated people who are neither hard-working nor honest are indicated by:
SNAP -2008

- (a) 5
- (b) 7
- (c) 10
- (d) 11

Sol :

Ans : b

@MarkingFactors: 3 1

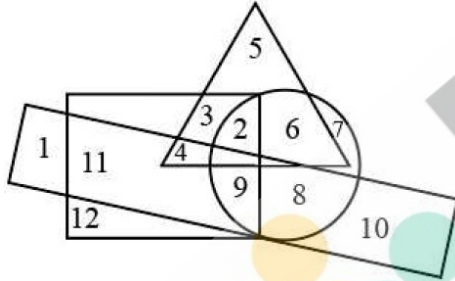
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.66

A. M. Turing award is considered as the Nobel Prize in the field of computers, given annually by Association for Computing Machinery co sponsored by Intel and Google. Who was A. M. Turing in whose memory the award was instituted?

SNAP -2008

- (a) First Chairman of Intel.
- (b) A British Mathematician
- (c) The legendary Dean of Stanford who revolutionized the computer education in the US
- (d) An US cognitive scientist in the field of artificial Intelligence (AI) and co-founder of Massachusetts Institute of Technology's AI laboratory.

Sol :

Ans : b

@MarkingFactors: 3 1

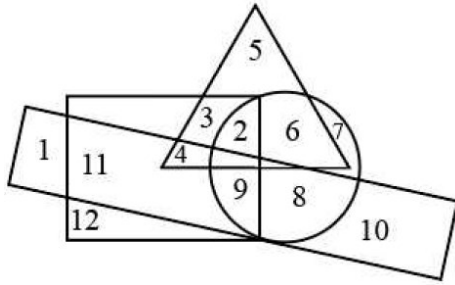
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.67

Find the most accurate description of 'Bt Cotton'

SNAP -2008

- (a) A variety of cotton that grows fast
- (b) A genetically modified crop of cotton whose DNA has been altered by introducing an extra gene
- (c) A variety of cotton that is immune to diseases.
- (d) A genetically modified crop of cotton whose DNA has been designed in the lab.

Sol :

Ans : b

@MarkingFactors: 3 1

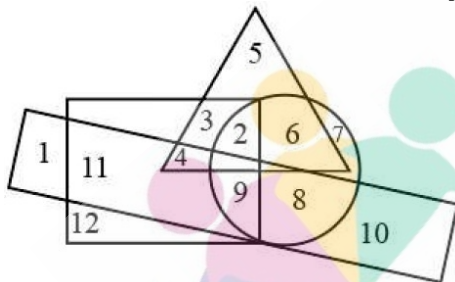
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q. 68

Las Vegas, US-based tour operator AMX Company has filed a trademark patent for which of the following Tagline?

SNAP -2008

- (a) "Gods Own Country"
- (b) "Heaven on Earth"
- (c) "Discover Incredible India"
- (d) "Come Alive with India"

Sol :

Ans : c

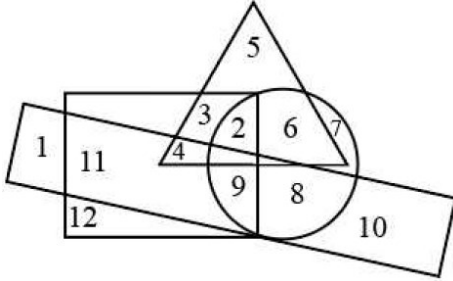
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@Instruction: Answer the following questions based on the information given below.
In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.69

Which out of the following holds the highest number of shares of ICICI Bank?

SNAP -2008

- (a) Banks Financial Institutes and Insurance
- (b) FIIs
- (c) General public
- (d) Private Corporate Bodi

Sol :

Ans : b

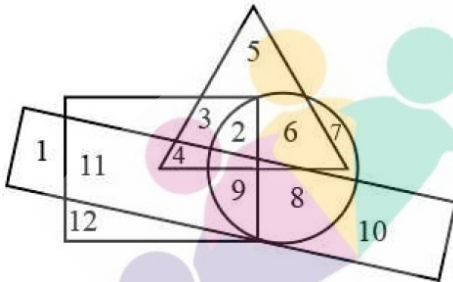
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@Instruction: Answer the following questions based on the information given below.
In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.70

Indian Standard time is based on the longitude of 82.5 degrees passing through which of the following places?

SNAP -2008

- (a) Mirzapur, U.P
- (b) Jabalpur, M.P
- (c) Nagpur, Maharashtra
- (d) Jaipur, Rajasth

Sol :

Ans : a

@MarkingFactors: 3 1

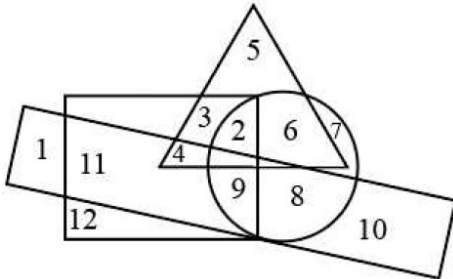
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.71

The Black Box of an aircraft is an important part as all the conversations and data are recorded therein. Although it is named black box, but its color is not black. What is the color of the black box in a commercial airplane?

SNAP -2008

- (a) Brown
- (b) Yellow
- (c) Red
- (d) Orange

Sol :

Ans: d

@MarkingFactors: 3 1

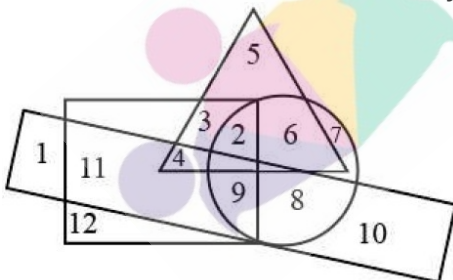
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q. 72

Find the person who plays the odd sport out of the following.

SNAP -2008

- (a) Navaratilova
- (b) Michael Phelps
- (c) David Beckham
- (d) Prakash Padukone

Sol :

Ans : b

@MarkingFactors: 3 1

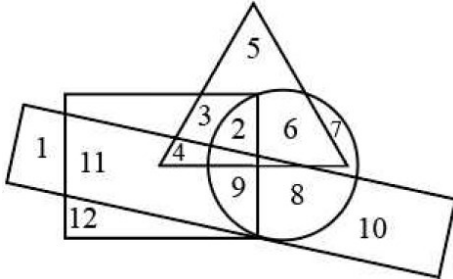
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.73

Sariska and Ranthambore are the reserves for which of the following animals?

SNAP -2008

(a) Lion

(b) Deer

(c) Tiger

(d) Bear

Sol :

Ans : c

@MarkingFactors: 3 1

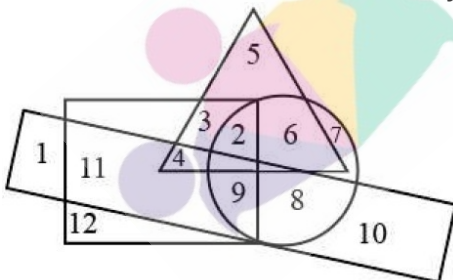
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.74

March, 2008 witnessed a turning point in the history of which of the following Himalayan Kingdoms when democracy was ushered in replacing monarchy?

SNAP -2008

(a) Bhutan

(b) Nepal

(c) Sikkim

(d) None of these

Sol :

Ans : a

@MarkingFactors: 3 1

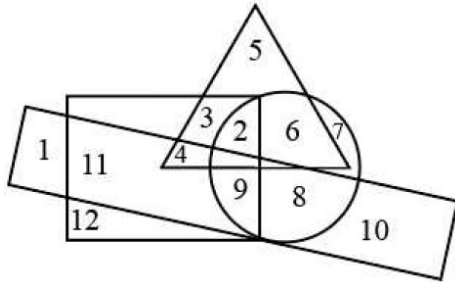
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.75

Neil Armstrong brought back a rock from the moon. On earth

SNAP -2008

- (a) The mass of the rock will change
- (b) The weight of the rock will change
- (c) Mass and weight will change
- (d) None of the above

Sol :

Ans : b

@MarkingFactors: 3 1

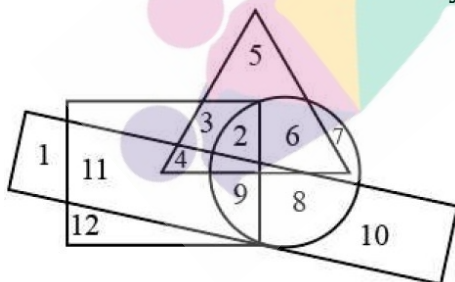
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.76

Milk, Cheese and Eggs are the source of

SNAP -2008

- (a) Vitamin C & A
- (b) Vitamin A & D
- (c) Vitamin C & D
- (d) Vitamin B & C

Sol :

Ans : b

@MarkingFactors: 3 1

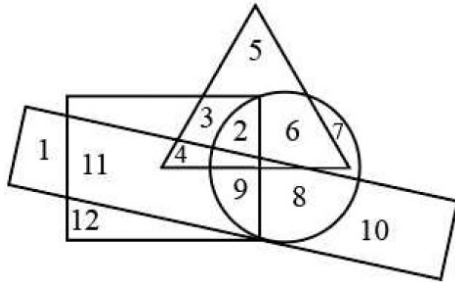
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.77

In August 2008, India's longest runway for the passenger aircraft was commissioned in:

SNAP-2008

- (a) Mumbai
- (b) New Delhi
- (c) Hyderabad
- (d) Bangalore

Sol:

Ans : b

@MarkingFactors: 3 1

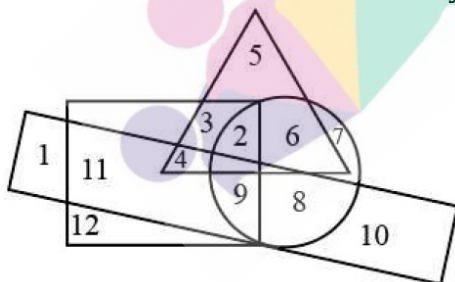
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.78

The first ever public hearing in India, almost like a referendum, on the fate of SEZ was held during the month of September 2008 in / At

SNAP-2008

- (a) Verna IT/ ITeS SEZ in Goa.
- (b) Haryana for Reliance Haryana SEZ.
- (c) Pen, Maharashtra
- (d) POSCO India, Steel SEZ Phase II, Orissa.

Sol :

Ans : c

@MarkingFactors: 3 1

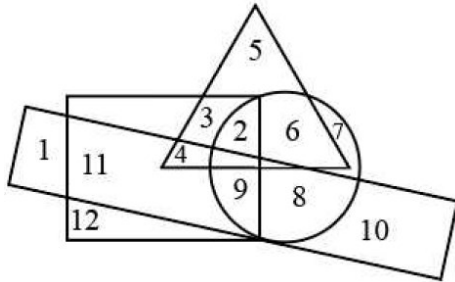
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.79

Al Ahram is

SNAP -2008

- (a) A University in Damascus.
- (b) A Newspaper in Cairo
- (c) A Mosque in Riyadh
- (d) A Small mountain range in Jordan

Sol ;

Ans : b

@MarkingFactors: 3 1

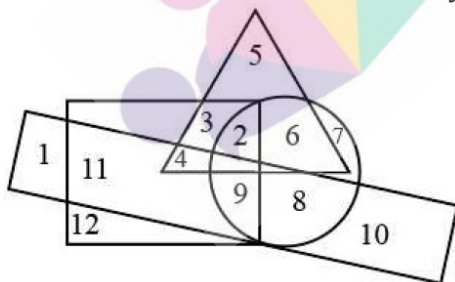
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.80

India's largest and first multi-national pharmaceutical giant Ranbaxy is being bought over by _____

SNAP -2008

- (a) Matrix Pharma.
- (b) GVK Bio-sciences.
- (c) Merck.

(d) None of these.

Sol :

Ans : d

@MarkingFactors: 3 1

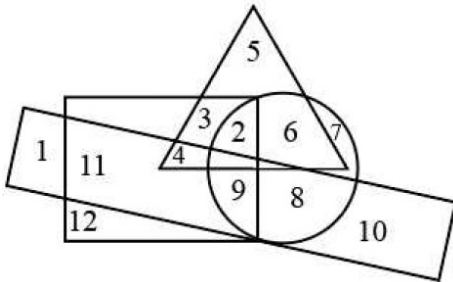
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.81

Find the odd product out of the following:

SNAP -2008

(a) Pamper

(b) Dove

(c) Tide

(d) Pantene

Sol :

Ans : b

@MarkingFactors: 3 1

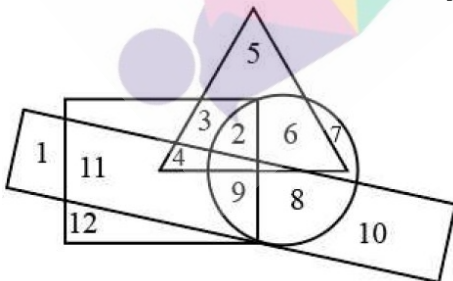
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.82

In the internet sphere, 'Opera' is the name of a :

SNAP -2008

(a) Web conference site

(b) Web advertising firm.

(c) Software for webinars

(d) Web browser.

Sol :

Ans : d

@MarkingFactors: 3 1

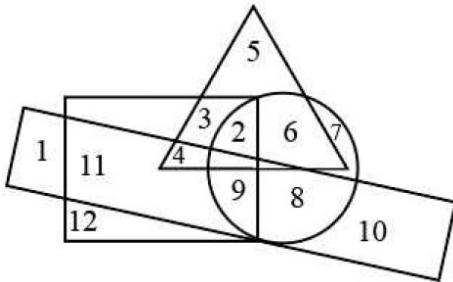
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.83

Which of the following pair is not correct?

SNAP -2008

- (a) Shahid Parvez: Sitar
- (b) Rashid Khan: Vocal Music
- (c) Ayaan Ali Khan: Sarod
- (d) Romu Muzumdar: Guitar

Sol :

Ans: d

@MarkingFactors: 3 1

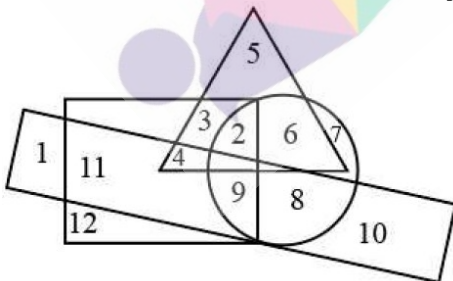
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.84

At what frequency SENSEX calculation is carried out?

SNAP -2008

- (a) Every half an hour
- (b) Every hour.
- (c) Real time

(d) 6 times a day

Sol :

Ans : c

@MarkingFactors: 3 1

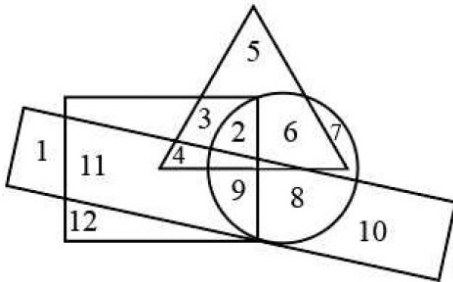
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.85

The second largest manufacturer of CD's, DVD's and other optical media in the world is:

SNAP -2008

(a) Sony

(b) Intel

(c) Philips

(d) Moser Baer

Sol :

Ans : d

@MarkingFactors: 3 1

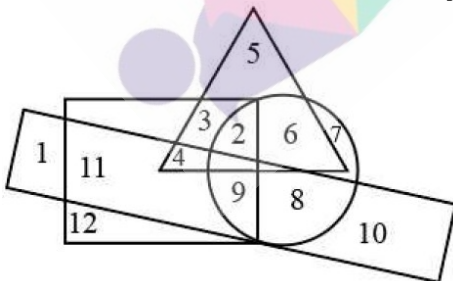
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@TopicId: 0

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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.86

Which of the following is a legal right and not a fundamental right

SNAP -2008

(a) Right to Liberty of thought and expression

(b) Right against exploitation

(c) Right to property

(d) Right to practice religion

Sol :

Ans : c

@MarkingFactors: 3 1

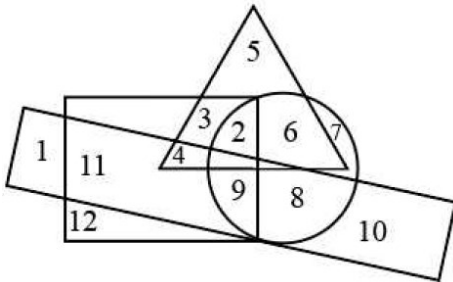
@SubjectId: 0

@TopicId: 0

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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.87

The term Net Shot is associated with

SNAP -2008

- (a) Badminton
- (b) Tennis
- (c) Table Tennis
- (d) Volley Ball

Sol :

Ans : a

@MarkingFactors: 3 1

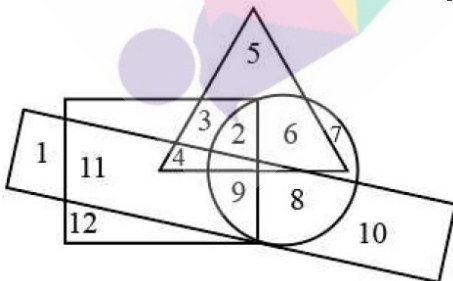
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.88

What is Dry Ice?

SNAP -2008

- (a) Solidified Carbon Dioxide
- (b) Transparent plastic decoy which looks like ice

- (c) Sulfur dioxide at -57 degree Celsius
(d) Chemically treated ice to make it dry.

Sol :

Ans : a

@MarkingFactors: 3 1

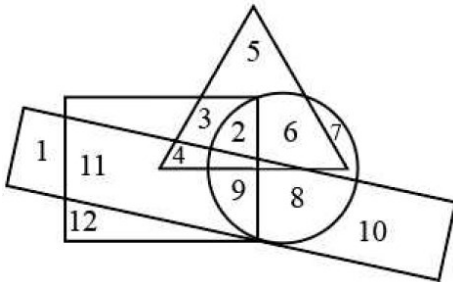
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.89

The rail-based mass rapid transit system in Mumbai has been awarded to a consortium of companies led by

SNAP -2008

- (a) Reliance Infrastructure
(b) Reliance Industries
(c) GMR Infrastructure
(d) Lanco Infrastructure

Sol :

Ans : a

@MarkingFactors: 3 1

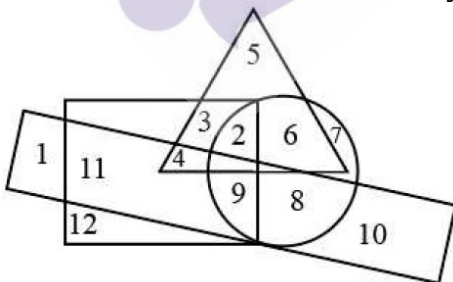
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.90

If bilirubin is high in a human body, which organ is most affected?

SNAP -2008

- (a) Pancreas

- (b) Liver
- (c) Kidney
- (d) Large Intestine

Sol :

Ans : b

@MarkingFactors: 3 1

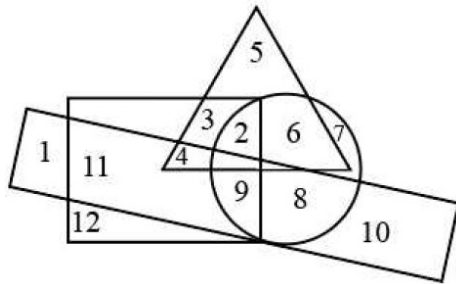
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.91

Who of the following is one of the most celebrated Photo Journalists in India?

SNAP -2008

- (a) Gautam Rajadhyaksha
- (b) Raghu Rai
- (c) Anjii Reddy
- (d) Sudhir Das

Sol :

Ans : b

@MarkingFactors: 3 1

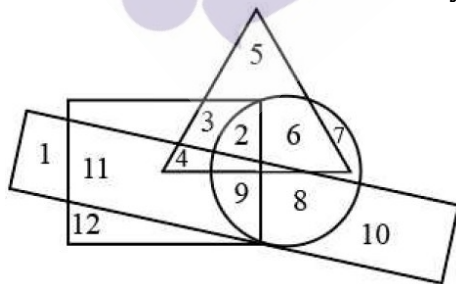
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.92

Inflation implies

- (a) Rise in budget deficit

SNAP -2008

- (b) Rise in general price index
- (c) Rise in price of consumer goods
- (d) Rise in money supply

Sol :

Ans : b

@MarkingFactors: 3 1

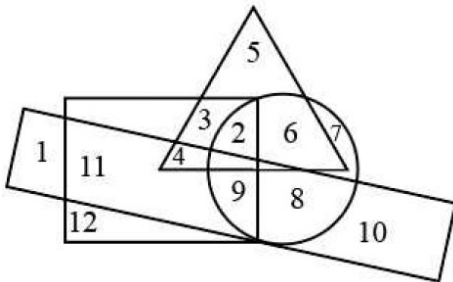
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.93

The India-US Nuclear Deal is called 123 Agreement. What does 123 denote?

SNAP -2008

- (a) The deal governed by the clause number 123 of International Atomic Energy Agency, in the context of peaceful use of atomic energy.
- (b) This number denotes a cluster of clauses of Hyde Act of US Government
- (c) This is the simple number related to chain reaction for creation of atomic energy.
- (d) Section 123 of the US Atomic Energy Act.

Sol :

Ans : d

@MarkingFactors: 3 1

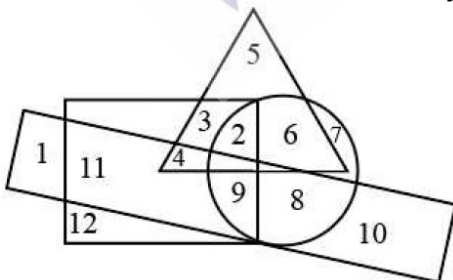
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.94

In the United States of America, the President is elected

SNAP -2008

- (a) By the electorate
- (b) By the electoral college
- (c) By the two national political parties
- (d) By the U.S. Congress

Sol :

Ans : b

@MarkingFactors: 3 1

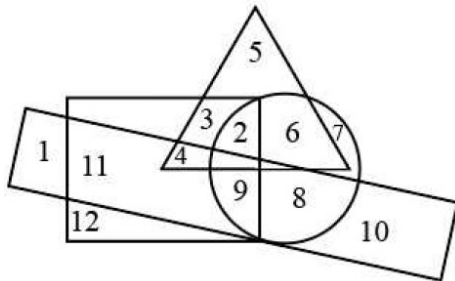
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.95

The term "Uruguay Round" is associated with an important world organization. Which one?

SNAP -2008

- (a) UNDP
- (b) GATT
- (c) WTO
- (d) World Bank

Sol :

Ans : b

@MarkingFactors: 3 1

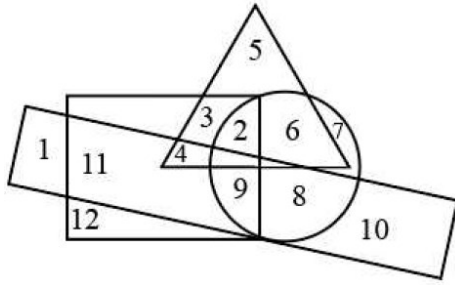
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@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.96

Siebel is a software firm that is now taken over by:

SNAP -2008

- (a) IBM
- (b) Accenture
- (c) Gartner
- (d) Oracle

Sol :

Ans : d

@MarkingFactors: 3 1

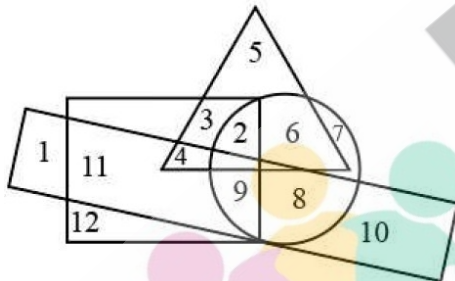
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@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.97

First Indian motion picture insured by a General Insurance company is

SNAP -2008

- (a) Hum Apke Hain Kaun
- (b) Taal
- (c) Dil Se
- (d) Ashoka

Sol:

Ans : b

@MarkingFactors: 3 1

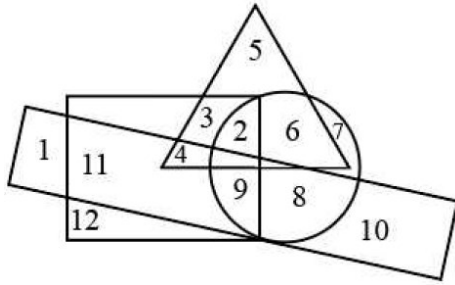
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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.98

India's first coalition government in New Delhi was formed under the leadership of:

SNAP -2008

- (a) V. P. Singh
- (b) P. V. Narasimharao
- (c) Morarji Desai
- (d) Atal Behari Vajpayee

Sol :

Ans : c

@MarkingFactors: 3 1

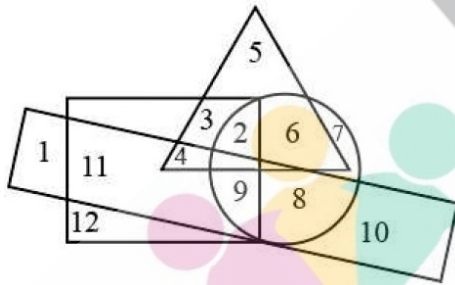
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@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

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Q.99

WiMax stands for:

SNAP -2008

- (a) Wireless internet for microwave access
- (b) Wireless inter-operability for microwave access
- (c) Worldwide internet for microwave access
- (d) Worldwide inter-operability for microwave access

Sol :

Ans : d

@MarkingFactors: 3 1

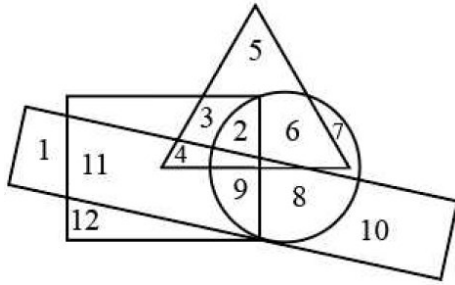
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@TopicId: 0

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@Instruction: Answer the following questions based on the information given below.

In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.100

El Nino is

SNAP -2008

- (a) A Sea storm
- (b) A warm ocean current
- (c) A tropical disturbance
- (d) Another name of typhoon

Sol :

Ans: b

@MarkingFactors: 3 1

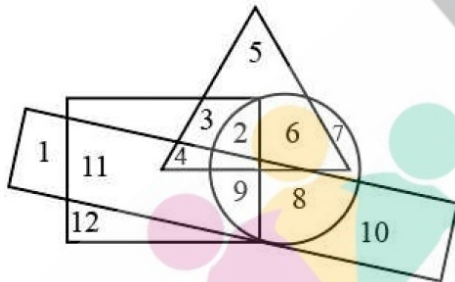
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@Instruction: Answer the following questions based on the information given below.

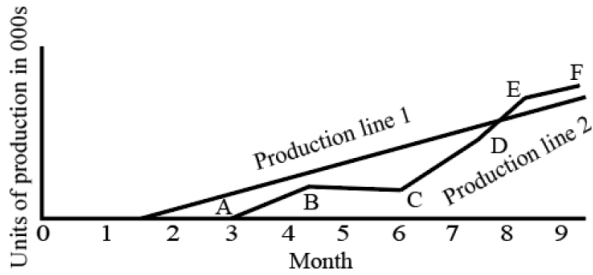
In the diagram below, the circle stands for 'educated', square stands for 'hard working', triangle for 'urban people' and rectangle for 'honest'. The different regions of the diagram are numbered from 1 to 12. Study the diagram carefully and answer the questions:



Q.101

A factory is to commission two production lines. Production line 1 is to use existing technology. Production line 2 is to use the latest innovation in technology and, while promising to achieve considerable advances in productivity, it will take longer to start and is likely to experience teething problems. Graph indicates the productive record of each product line. Refer to the graph to answer the

Following



- A. Can the duration of reported breakdown be established?
B. Can the loss of production be quantified?

SNAP -2008

- (a) Both questions A and B can be answered
(b) Only A question can be answered
(c) Only B question can be answered
(d) Neither question can be answered

Sol:

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.102

From a book, a number of consecutive pages are missing. The sum of the page numbers of these pages is 9808. Which pages are missing?

SNAP -2008

- (a) The page 9808 is missing
(b) The pages 291 up to 322 are missing
(c) The pages 291 up to and including 322 are missing
(d) Either a or c

Sol :

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.103

In the following series find the one number that is wrong

2, 3, 13, 37, 86, 167, 288

SNAP -2008

- (a) 3
(b) 13
(c) 37
(d) 86

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.104

Two sea trawlers left a sea port simultaneously in two mutually perpendicular directions. Half an hour later, the shortest distance between them was 17 km and another 15 minutes later, one sea trawler was 10.5 km farther from the original than the other. Find the speed of each sea trawler

SNAP -2008

- (a) 16 km/hr, 30 km/hr
- (b) 18 km/hr, 24 km/hr
- (c) 20 km/hr, 22 km/hr
- (d) 18 km/hr, 36 km/hr

Sol :

Assume the speed in km/hr be a and b.

Then, the distance travelled after half an hour = $\frac{a}{2}$ and $\frac{b}{2}$

The distance between them = $\frac{1}{2}\sqrt{a^2 + b^2} = 17$

$$\Rightarrow \sqrt{a^2 + b^2} = 34$$

$$\Rightarrow a^2 + b^2 = 1156 \dots (1)$$

After 45 minutes, the difference of the distance travelled = $\frac{3}{4}(a - b) = 10.5$

$$\Rightarrow a - b = 14 \Rightarrow a^2 + b^2 - 2ab = 196 \dots (2)$$

From 1 and 2, $2ab = 960$

$$a^2 + b^2 + 2ab = 1156 + 960 = 2116$$

$$\Rightarrow a + b = 46$$

Hence $a = 30$ and $b = 16$

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.105

The image below indicates the number of residents at 5 hotels on 1 Feb and 1 July 1998. Which hotel had the greatest increase in the total number of adult residents on 1 July 1998 compared with 1 Feb of that year?

| 1-Jul-98 | | | |
|----------|---------------|-------------|-----------------|
| Hotel | Female Adults | Male Adults | Female Children |
| V | 41 | 73 | 16 |
| W | 18 | 37 | 7 |
| X | 47 | 92 | 12 |
| Y | 37 | 59 | 19 |
| Z | 81 | 112 | 26 |

| 1-Feb-98 | | | | |
|----------|---------------|-------------|-----------------|---------------|
| Hotel | Female Adults | Male Adults | Female Children | Male Children |
| V | 32 | 64 | 8 | 11 |
| W | 11 | 28 | 3 | 2 |
| X | 47 | 84 | 14 | 7 |
| Y | 22 | 42 | 5 | 6 |
| Z | 63 | 104 | 18 | 23 |

(a) V

SNAP -2008

- (b) W
(c) Y
(d) Z

Sol :

Tabulating the percentage, we get

| Hotel | Adults (1 July 98) | Adult(1 Feb 98) | % Increase |
|-------|--------------------|-----------------|------------|
| V | 114 | 96 | 1800/96 |
| W | 55 | 39 | 1600/39 |
| X | 139 | 131 | 800/31 |
| Y | 96 | 64 | 3200/64 |
| Z | 193 | 167 | 2600/167 |

From the table, in case of Y, the percentage is 50% and rest of the hotels have less than 50%. Hence C is the answer.

Ans : c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.106

This question consists of a question and two statements numbered I and II. Decide whether the data given in the statements are sufficient to answer the question.

What is the 57th number in a series of numbers?

I. Each number in the series is three more than the preceding number.

II. The tenth number in the series is 29.

SNAP -2008

(a) The data in Statement I alone is sufficient to answer the question while the data in Statement II alone is not sufficient to answer the question.

(b) The data in Statement II alone is sufficient to answer the question, while the data in Statement I alone is not sufficient to answer the question

(c) If the data either in Statement I or Statement II alone are sufficient to answer the question

(d) If the data in both Statements I and II together is necessary to answer the question

Sol :

Using $a_n = a + (n-1)d$

$$\Rightarrow a_{57} = a + 56d$$

From 1, the value of d can be obtained.

From 2, an equation in a and d is obtained.

Hence, both 1 and 2 are necessary to calculate the value of a_{57} .

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.107

The cost of levelling and turfing a square field at Rs. 160 per hectare is Rs. 2624.40. The cost of surrounding it with a railing costing 25 paise per metre is:

SNAP -2008

(a) Rs. 350

(b) Rs. 375

(c) Rs. 400

(d) Rs. 405

Sol:

The cost of levelling and turfing a square field at Rs. 160 per hectare is Rs. 2624.40.

Hence, the area = $\frac{2624.40}{160} = 16.4025 * 10000$ square metres (1 hectare = 10000 square metres)

Assume the length of the side = a, the area, $a^2 = 16.4025 * 10000$

=> a = 405 m

Then the perimeter = $4a = 405 * 4$

The cost of Surrounding = $405 * 4 * 25$ paise = RS 405

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.108

When the Sun ray's inclination increases from 30° to 60° , the length of the shadow of a tower decreases by 60 m. Find the height of the tower.

SNAP -2008

(a) 50.9 m

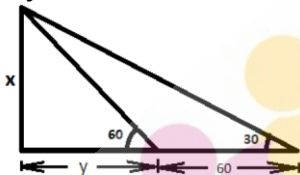
(b) 51.96 m

(c) 48.8 m

(d) None of these

Sol :

$\frac{x}{y}$ Assume the height of the tower = x and the shadow formed when the inclination = 60° is y.



In the given figure, $\tan 60^\circ = \frac{x}{y}$ (1)

$\tan 30^\circ = \frac{x}{y + 60}$ (2)

Dividing 1 by 2, we get, $\frac{y}{y + 60} = 3$

=> $y = 30 \Rightarrow x = y\sqrt{3} = 30 * 1.732 = 51.96m$

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.109

How many viewers in the city C watch less than one movie a week?

SNAP -2008

- (a) 2040
- (b) 13600
- (c) 16000
- (d) 3600

Sol:

The total number of moviegoers in a city = Number of people who watch less than 1 movie per week + Number of people who watch one or more movie per week For city A, the percentage of viewers who watch less than one movie a week = 60, hence the percentage of viewers who view one or more movies per week = 100-60 = 40

$$\Rightarrow 40\% \text{ of the total number of viewers in A} = 2400 \Rightarrow \text{The total number of viewers} = \frac{2400 \times 100}{40} = 6000$$

$$\Rightarrow \text{The number of viewers who watch less than one movie a week} = 6000 \times \frac{60}{100} = 3600$$

Similarly, we can tabulate the data for the rest of the cities:

| City | % of less than one movie goers | % of one or more movie goers | Number of less than 1 movie goers | Number of one or more movie goers | Total number of movie goers |
|------|--------------------------------|------------------------------|-----------------------------------|-----------------------------------|-----------------------------|
| A | 60 | 40 | 3600 | 2400 | 6000 |
| B | 20 | 80 | 750 | 3000 | 3750 |
| C | 85 | 15 | 13600 | 2400 | 16000 |
| D | 55 | 45 | 3300 | 2700 | 6000 |
| E | 75 | 25 | 24000 | 8000 | 32000 |

The viewers in the city C watch less than one movie a week = 13600

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

A survey of movie goers from five cities A, B, C, D and E is summarized below. The first column gives the percentage of viewers in each city who watch less than one movie a week. The second column gives the total number of viewers who view one or more movies per week

| City | I | II |
|------|----|------|
| A | 60 | 2400 |
| B | 20 | 3000 |
| C | 85 | 2400 |
| D | 55 | 2700 |
| E | 75 | 8000 |

Q.110

Which city has the highest number of viewers who watch less than one movie a week?

SNAP -2008

- (a) City E
- (b) City D
- (c) City B
- (d) City C

Sol :

The total number of moviegoers in a city = Number of people who watch less than 1 movie per week + Number of people who watch

one or more movie per week

For city A, the percentage of viewers who watch less than one movie a week = 60, hence the percentage of viewers who view one or

more movies per week = $100 - 60 = 40$

=> 40% of the total number of viewers in A = 2400 => The total number of viewers =

$$\frac{2400 \times 100}{40} = 6000$$

=> The number of viewers who watch less than one movie a week = $6000 \times \frac{60}{100} = 3600$

Similarly, we can tabulate the data for the rest of the cities:

| City | % of less than one movie goers | % of one or more movie goers | Number of less than 1 movie goers | Number of one or more movie goers | Total number of movie goers |
|------|--------------------------------|------------------------------|-----------------------------------|-----------------------------------|-----------------------------|
| A | 60 | 40 | 3600 | 2400 | 6000 |
| B | 20 | 80 | 750 | 3000 | 3750 |
| C | 85 | 15 | 13600 | 2400 | 16000 |
| D | 55 | 45 | 3300 | 2700 | 6000 |
| E | 75 | 25 | 24000 | 8000 | 32000 |

E has the highest number of viewers who watch less than one movie a week.

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

A survey of movie goers from five cities A, B, C, D and E is summarized below. The first column gives the percentage of viewers in each city who watch less than one movie a week. The second column gives the total number of viewers who view one or more movies per week

| City | I | II |
|------|----|------|
| A | 60 | 2400 |
| B | 20 | 3000 |
| C | 85 | 2400 |
| D | 55 | 2700 |
| E | 75 | 8000 |

Q.111

A city with second lowest number of movie watchers is

SNAP -2008

(a) City E

(b) City D

(c) City B

(d) City C

Sol :

The total number of moviegoers in a city = Number of people who watch less than 1 movie per week + Number of people who watch one or more movie per week

For city A, the percentage of viewers who watch less than one movie a week = 60, hence the percentage of viewers who view one or more movies per week = $100 - 60 = 40$

=> 40% of the total number of viewers in A = 2400 => The total number of viewers =

$$\frac{2400 \times 100}{40} = 6000$$

=> The number of viewers who watch less than one movie a week = $6000 \times \frac{60}{100} = 3600$

Similarly, we can tabulate the data for the rest of the cities:

| City | % of less than one movie goers | % of one or more movie goers | Number of less than 1 movie goers | Number of one or more movie goers | Total number of movie goers |
|------|--------------------------------|------------------------------|-----------------------------------|-----------------------------------|-----------------------------|
| A | 60 | 40 | 3600 | 2400 | 6000 |
| B | 20 | 80 | 750 | 3000 | 3750 |
| C | 85 | 15 | 13600 | 2400 | 16000 |
| D | 55 | 45 | 3300 | 2700 | 6000 |
| E | 75 | 25 | 24000 | 8000 | 32000 |

Both A and D have second lowest number of movie watchers. B is the answer.

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

A survey of movie goers from five cities A, B, C, D and E is summarized below. The first column gives the percentage of viewers in each city who watch less than one movie a week. The second column gives the total number of viewers who view one or more movies per week

| City | I | II |
|------|----|------|
| A | 60 | 2400 |
| B | 20 | 3000 |
| C | 85 | 2400 |
| D | 55 | 2700 |
| E | 75 | 8000 |

Q.112

The total number of all movie goers in the five cities who watch less than one movie per week is

SNAP -2008

- (a) 50000
- (b) 36000
- (c) 18500
- (d) 45250

Sol :

The total number of moviegoers in a city = Number of people who watch less than 1 movie per week + Number of people who watch one or more movie per week

For city A, the percentage of viewers who watch less than one movie a week = 60, hence the percentage of viewers who view one or more movies per week = $100 - 60 = 40$

=> 40% of the total number of viewers in A = 2400 => The total number of viewers = $\frac{2400 \times 100}{40} = 6000$

=> The number of viewers who watch less than one movie a week = $6000 \times \frac{60}{100} = 3600$

Similarly, we can tabulate the data for the rest of the cities:

| City | % of less than one movie goers | % of one or more movie goers | Number of less than 1 movie goers | Number of one or more movie goers | Total number of movie goers |
|------|--------------------------------|------------------------------|-----------------------------------|-----------------------------------|-----------------------------|
| A | 60 | 40 | 3600 | 2400 | 6000 |
| B | 20 | 80 | 750 | 3000 | 3750 |
| C | 85 | 15 | 13600 | 2400 | 16000 |
| D | 55 | 45 | 3300 | 2700 | 6000 |
| E | 75 | 25 | 24000 | 8000 | 32000 |

The total number of all moviegoers in the five cities who watch less than one movie per week = $3600 + 750 + 13600 + 3300 + 24000 = 45250$

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below.

A survey of movie goers from five cities A, B, C, D and E is summarized below. The first column gives the percentage of viewers in each city who watch less than one movie a week. The second column gives the total number of viewers who view one or more movies per week

| City | I | II |
|------|----|------|
| A | 60 | 2400 |
| B | 20 | 3000 |
| C | 85 | 2400 |
| D | 55 | 2700 |
| E | 75 | 8000 |

Q.113

The 288th term of the sequence a, b, b, c, c, c, d, d, d, d... is

SNAP -2008

(a) u

(b) v

(c) w

(d) x

Sol :

Here, $\frac{n(n-1)}{2}$ (not inclusive) term to $\frac{n(n+1)}{2}$ (inclusive) term is the nth place alphabet.

(1st place alphabet is a, 2nd place alphabet is b, and so on.)

$$\Rightarrow \frac{n(n-1)}{2} < 288 < \frac{n(n+1)}{2}$$

$$\Rightarrow n(n-1) < 576 < n(n+1)$$

N=24

At 24th place, x is the alphabet.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.114

The inequality of $p^2 + 5 < 5p + 14$ can be satisfied if :

SNAP -2008

- (a) $p \leq 6, p > -1$
 (b) $p = 6, p = -2$
 (c) $p \leq 6, p \leq 1$
 (d) $p \geq 6, p = 1$

Sol:

We have, $p^2 + 5 < 5p + 14$

$$\Rightarrow p^2 - 5p - 9 < 0$$

$$\Rightarrow p < \frac{5 + \sqrt{61}}{2} \text{ or } p > \frac{5 - \sqrt{61}}{2}$$

$$\Rightarrow p < 6.4 \text{ or } p > -1.4$$

Hence, $p \leq 6, p > -1$ will satisfy the inequalities

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.115

Answer the question based on the following table.

| Relative Sweetness of Different | | | |
|---------------------------------|--------|---------|------|
| Lactose | 0.16 | Maltose | 0.32 |
| Glucose | 0.74 | Sucrose | 1.00 |
| Saccharin | 675.00 | | |

What is the ratio of glucose to lactose in a mixture as sweet as maltose?

SNAP -2008

- (a) 8 : 21
 (b) 1 : 3
 (c) 3 : 2
 (d) 16 : 9

Sol:

The sweetness of glucose = 0.74, the sweetness of lactose = 0.16 The sweetness of Maltose = 0.32

$$0.32 - 0.16 \quad 16$$

Using allegation, the ratio = $0.74 - 0.32 = 42 = 8:21$

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.116

A colourless cube is painted blue and then cut parallel to sides to form two rectangular solids of equal volume. What percentage of surface area of each of new solids is not painted blue?

SNAP -2008

- (a) 25
 (b) 16
 (c) 20

(d) 18

Sol :

Assuming the sides of the cube = a, then surface painted blue = $6a^2$

Now after cutting into half the blue surface = $3a^2$ for each solid and a new colourless surface with a^2 is generated.

Hence the total surface area = $3a^2 + a^2 = 4a^2$

% surface area not painted blue = $4a^2 \times 100 = 25$

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.117

There are 10 stations on a railway line. The number of different journey tickets that are required by the authorities is

SNAP -2008

(a) 10!

(b) 90

(c) 81

(d) 10

Sol :

The number of different journey tickets that are required by the authorities = The number of selecting 2 stations $\times 2$ (For every pair stations say A and B, there are two tickets required A to B and B to A)

$= {}^{10}C_2 * 2 = 45 * 2 = 90$

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.118

A and B throw one dice for a stake of Rs.11, which is to be won by the player who first throws a six.

The game ends when stake is won by A or B. If A has the first throw, what are their respective expectations?

SNAP -2008

(a) 5 and 6

(b) 6 and 5

(c) 11 and 0

(d) 10 and 1

Sol :

The probability of throwing a 6 = $\frac{1}{6}$

The probability of not throwing a 6 = $\frac{5}{6}$

$$\begin{aligned} \text{The probability that A wins} &= \frac{1}{6} + \frac{5}{6} \times \frac{5}{6} \times \frac{1}{6} + \frac{5}{6} \times \frac{5}{6} \times \frac{5}{6} \times \frac{1}{6} + \dots \\ &= \frac{1}{6} \left(1 + \left(\frac{5}{6}\right)^2 + \left(\frac{5}{6}\right)^4 + \dots \right) \\ &= \frac{1}{6} \left(1 - \frac{25}{36} \right) = \frac{6}{11} \end{aligned}$$

The expected return of $A = 11 * \frac{6}{11} = 6$

Hence the expected return of $B = 11 - 6 = 5$

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.119

Which investment gives a better return, assuming the face value of shares to be Rs. 10?

A. 5% stock at 75, subject to 30% income tax

B. 4% stock at 90, tax free

SNAP -2008

(a) B

(b) A

(c) Both A and B

(d) None of these

Sol :

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.120

Four stacks containing an equal number of chips are to be made from 11 orange, 9 white, 13 black and 7 yellow chips. If all of these chips are used and each stack contains at least one chip of each colour, what is the maximum number of white chips in any one stack?

SNAP -2008

(a) 3

(b) 4

(c) 5

(d) 6

Sol :

Total number of chips = $11 + 9 + 13 + 7 = 40$

Total number of chips in each stack = $40/4 = 10$

Total number of white chips = 9,

The maximum number of white chips in a stack will be obtained when 1 white chip given to each of 3 stacks and 6 white chips to 1 stack.

Hence, 6 is the answer.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.121

A 14.4 kg gas cylinder runs for 104 hours when the smaller burner on the gas stove is fully opened while it runs for 80 hours when the larger burner on the gas stove is fully opened. Which of these values are closest to the percentage difference in the usage of gas per hour, of the smaller burner over the larger burner?

SNAP -2008

(a) 26.23 %

(b) 30 %

(c) 32.23 %

(d) 23.07 %

Sol :

Gas usage per hour of the larger burner = $\frac{14.4}{80}$

Gas usage per hour of the smaller burner = $\frac{14.4}{104}$

$$\frac{14.4}{80} - \frac{14.4}{104}$$

The required percentage = $\frac{14.4}{80} - 1 - \frac{80}{104} = \frac{24}{104} = 23.07$

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.122

Study the questions and the statements given below. Decide whether any information provided in the statement(s) is redundant and/or can be dispensed with, to answer it.

If 7 is added to numerator and denominator each of fraction a/b, will the new fraction be less than the original one?

Statement I: a = 73, b = 103

Statement II: The average of a and b is less than b

Statement III: a - 5 is greater than b - 5

(a) II and either I or III

(b) Only II or III

(c) Any two of them

(d) Any one of them

Sol :

SNAP -2008

If $\frac{a}{b}$ is less than 1, then $\frac{a+7}{b+7} > \frac{a}{b}$ given that $a, b > 0$

Hence, if I is given. II or III are redundant.

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.123

Coefficient of variation is useful to study

SNAP -2008

- (a) Risk
- (b) Disparity
- (c) Consistency
- (d) All of the above

Sol :

In statistics, the coefficient of variation (COV) is a simple measure of relative event dispersion. It is equal to the ratio between the standard deviation and the mean. The most common use of the COV is to compare relative risk, although it can be applied to any type of quantitative likelihood or probability distribution.

There is another use and meaning of the COV. When interpreting mathematical models, COV is calculated as the ratio between root mean squared error and the mean of a separate dependent variable. This type of COV analysis is less common, but it can be constructive when determining if a model is a good fit for a specific task or type of analysis. It is used to measure disparity and consistency.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.124

A cyclist drove one kilometer, with the wind in his back, in three minutes and drove the same way back, against the wind in four minutes. If we assume that the cyclist always puts constant force on the pedals, how much time would it take him to drive one kilometer without wind?

SNAP -2008

- (a) $2\frac{1}{3}$
- (b) $3\frac{3}{7}$
- (c) $2\frac{3}{7}$
- (d) $3\frac{7}{12}$

Sol :

Assuming the cyclist speed without the wind = a and the wind speed = b

Then $\frac{1km}{a+b} = 3 \Rightarrow a+b = \frac{1}{3}$

$\frac{1km}{a-b} = 4 \Rightarrow a-b = \frac{1}{4}$

Adding both the equations, we get $2a = \frac{1}{3} + \frac{1}{4}$

$\Rightarrow a = \frac{7}{24}$

Time taken to cover 1km = $\frac{1km}{a} = \frac{1km}{\frac{7}{24}} = \frac{24}{7} = 3\frac{3}{7}$

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.125

A, B and C started a business by investing $\frac{1}{2}$, $\frac{1}{3^{rd}}$ and $\frac{1}{6^{th}}$ of the capital respectively. After $\frac{1}{3^{rd}}$ of the total time, A withdrew his capital completely and after $\frac{1}{4^{th}}$ of the total time B withdrew his capital. C kept his capital for the full period. The ration in which total profit is to be divided amongst the partners is

SNAP -2008

(a) 1:2:1

(b) 4:1:4

(c) 2:1:2

(d) 1:2:2

Sol:

Assuming the total capital = 6 units and the total period = 12 months

Investment of A = $6 * \frac{1}{2} = 3 \text{ units}$

Investment period of A = $12 * \frac{1}{3} = 4 \text{ Month}$

Investment of B = $6 * \frac{1}{3} = 2 \text{ units}$

Investment of C = $6 * \frac{1}{2} = 3 \text{ units}$

Investment period of B = $12 * \frac{1}{3} = 4 \text{ Month}$

Investment of C = $6 * \frac{1}{3} = 2 \text{ units}$

Investment of C = $6 * \frac{1}{6} = 1 \text{ units}$

Investment period of C = 12 months

Then the profit will be divided in the ration $(3*4):(2*3):(1*12)=12:6:12=2:1:2$

Ans: c

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.126

A number lock consists of 3 rings each marked with 10 different numbers. In how many cases the lock cannot be opened?

SNAP -2008

(a) 3^{10}

(b) 10^3

(c) 30

(d) 999

Sol :

The total number of combinations = $10 \times 10 \times 10 = 1000$ (There are 10-digits 0 to 9 on each ring)

Since there is only 1 right combination, the number of cases in which the lock cannot be opened = $1000 - 1 = 999$

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.127

A person buys 18 local tickets for Rs. 110. Each first class ticket costs Rs. 10 and each second class ticket costs Rs. 3. What will another lot of 18 tickets in which the number of first class and second class tickets are interchanged cost?

SNAP -2008

(a) 112

(b) 118

(c) 121

(d) 124

Sol :

Consider the number of first - class tickets = a and the second - class ticket = b

$$10a + 3b = 110$$

$$a + b = 18$$

Solving two equations, we get $a = 8$, $b = 10$

After interchanging number of tickets, the new cost = $10 \times 10 + 3 \times 8 = 124$

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.128

A clock loses 12 minutes every 24 hours. It is set right at 7:25 p.m. on Monday. What will be the time when clock shows 1:45 p.m. the following day?

(a) 1:20:35 p.m

(b) 1:35:50 p.m.

(c) 1:25:35 p.m.

(d) None of these

Sol :

Since the clock is losing time, the original time will be more than 1:45 PM and options A,B, C are less than 1:45 PM. Hence D is the answer.

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.129

In a row at a bus stop, A is 7th from the left and B is 9th from the right. They both interchange their positions. A becomes 11th from the left. How many people are there in the row?

SNAP -2008

(a) 18

(b) 19

(c) 20

(d) 21

Sol :

After interchanging the positions, A becomes 11th from the left. So B must have been 11th from the left and 9th from the right before the interchange. Hence the total number of people = $11+9-1=19$

Ans : b

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.130

A merchant wants to make profit by selling food grains. Which of the following will maximize his profit?

SNAP -2008

(a) Sell product at 30% profit

(b) Increase the price by 15% over the cost price and reduce weight by 15%

(c) Use 700 gm of weight instead of 1 kg.

(d) Mix 30% impurities in grains and sell it at cost price

Sol :

Ans : a

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually

Q.131

From the failure data of electronics components presented here, which statement is true?

SNAP -2008

(a) Integrated circuits and Printed circuit boards are more reliable.

(b) Capacitors are more reliable than picture tubes.

(c) Higher number of component failures is likely to be due to picture tubes.

(d) The least reliable component is Hybrid Micro circuits.

Sol :

Option A: The reliability has not been compared to any other component. Hence A is incorrect.

Option B: Capacitors have more failure rate than picture tubes. Hence B is incorrect.

Option C: Picture tubes have the least failure rate among all components. Hence C is incorrect.

Option D: Hybrid Micro circuits have the most failure rate. Hence, they are the least reliable.

Ans : d

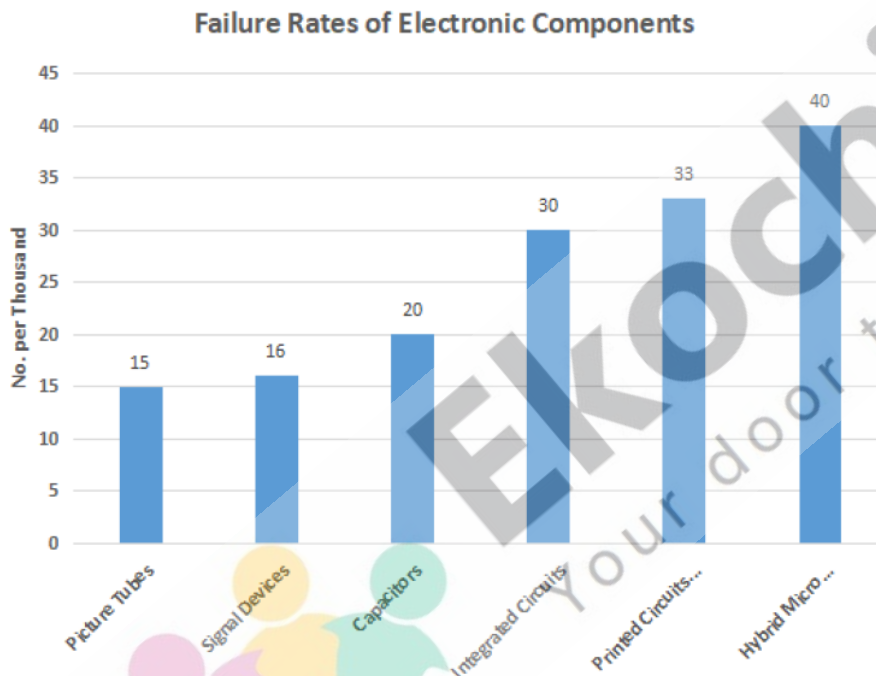
@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below



Q.132

Which of the following components has a failure rate 25% more than that of signal devices?

SNAP -2008

(a) Pictures tubes

(b) Capacitors

(c) Integrated circuits

(d) Printed Circuits boards

Sol :

The failure rate of signal devices = 16

After increasing failure rate by 25%, $16(1+25/100) = 20$

The failure rate of capacitors is 20. Hence B is the answer.

Ans : b

@MarkingFactors: 3 1

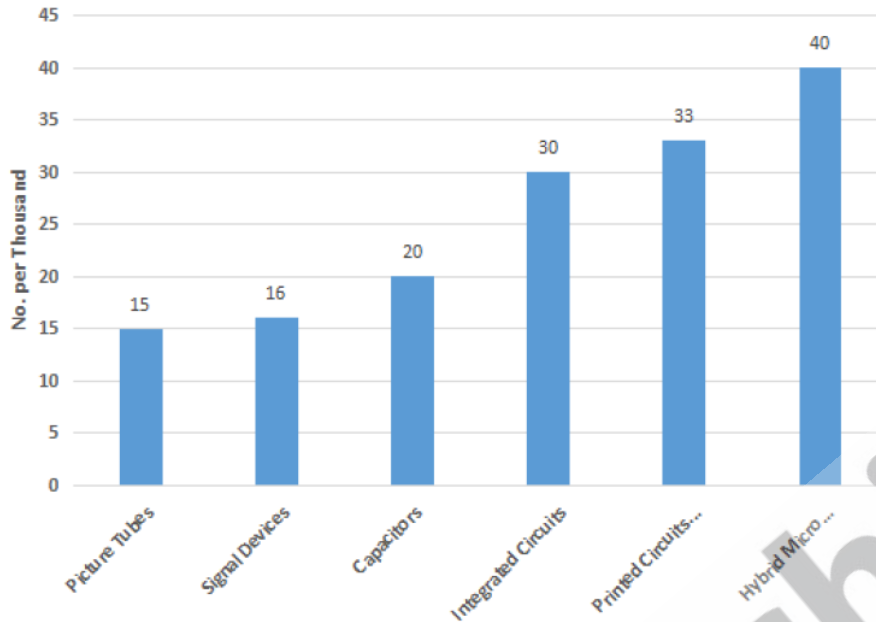
@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below

Failure Rates of Electronic Components



Q.133

Lowest priority for investing in any changes or additions to the component manufacturing units, in the company's investment plans, may be given to the following:

SNAP -2008

- (a) Printed circuits boards and hybrid micro circuits
- (b) Capacitors and integrated circuits
- (c) Pictures tubes and signal devices
- (d) Signal devices and capacitors

Sol :

The lowest priority for investing in any changes or additions to the component manufacturing units can be given to the components which have the lowest failure rates. Here, pictures tubes and signal devices have lowest failure rate amongst all the components.

Ans : c

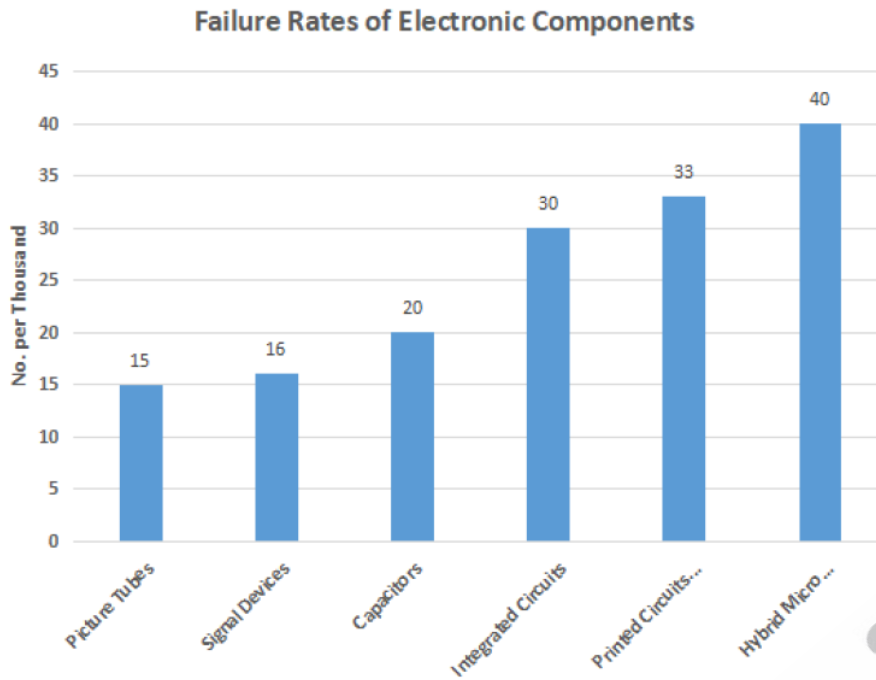
@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below



Q.134

For the equipments using Integrated Circuit Board: 400, Capacitors: 240 and Printed Circuits boards: 120 to run with minimum downtime, how many spares should be kept in the store respectively?

SNAP -2008

- (a) 12, 4, 3
- (b) 12, 5, 4
- (c) 5, 12, 4
- (d) 12, 4, 4

Sol :

The failure rate of Integrated Circuit Board per 1000 is 30. Hence for 400, the failure will be $(30 \times 400) / 1000 = 12$

The failure rate of Capacitors per 1000 is 20. Hence for 240, the failure will be $(20 \times 240) / 1000 = 5$ (Approximately)

The failure rate of Printed Circuit Board per 1000 is 33. Hence for 120, the failure will be $(33 \times 120) / 1000 = 4$ (Approximately)

Hence 12,5,4 is the answer.

Ans : b

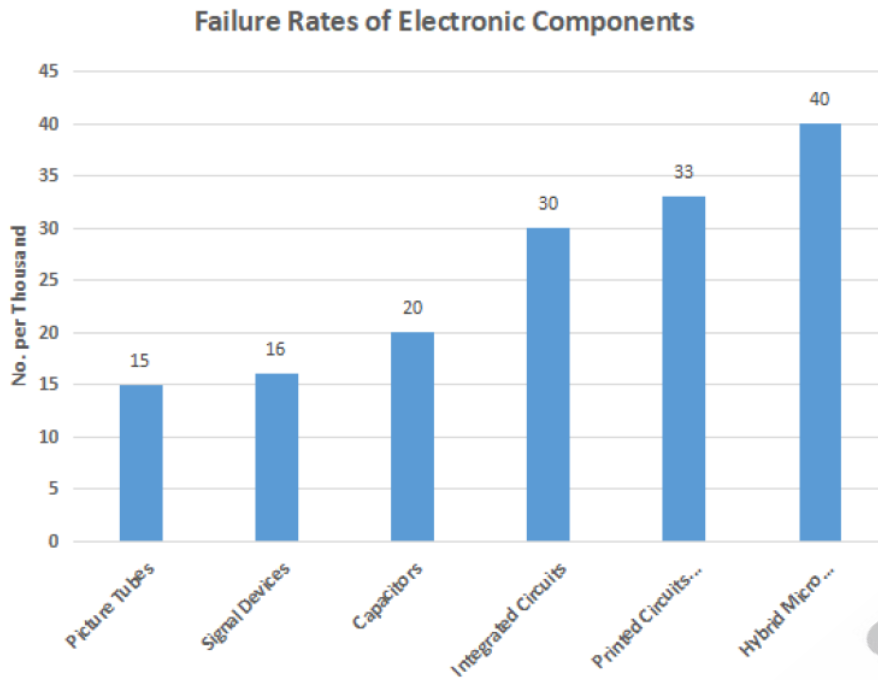
@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: Answer the following questions based on the information given below



Q.135

The water from a roof, 9 sq. metres in area, flows down to a cylindrical container of 900 cm base. To what height will the water rise in cylinder if there is a rainfall of 0.1 mm?

SNAP -2008

- (a) 0.1 cm
- (b) 0.1 metre
- (c) 0.11 cm
- (d) 1 cm

Sol :

Assume the height of water in the cylinder = h

Then the volume of water = 9 square metres * 0.1 mm = $h * 900$ square cm

Converting into cm, we get $9 \times 10^4 * 0.01 = h * 900$

$$\Rightarrow 900 = h * 900$$

$$\Rightarrow h = 1 \text{ cm}$$

Ans : d

@MarkingFactors: 3 1

@SubjectId: 0

@TopicId: 0

@SubTopicId: 0

@Instruction: For the following questions answer them individually