

# SBI Clerk Prelims Exam

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Paper - 2020

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**In English**

**Directions (Q 1 to 5):** In the following passage some words have been omitted and replaced by alphabetised blanks. Select the most appropriate option for each blank.

Flowers are feeling the heat as global warming is robbing them of their fragrance. The scientists at the Hebrew University of Jerusalem in Israel have \_\_\_\_\_(A)that flowers are losing their fragrance because of a steady rise in temperature. According to a research conducted by Alon Can'ani, a PhD student at Hebrew University of Jerusalem, \_\_\_\_\_(B) in global climate is "interfering with plant-pollinator mutualism, an interaction facilitated mainly by floral colour and scent". The research was based on two varieties of Petunia plants - P720 and Blue Spark. They \_\_\_\_\_(C) a decrease in floral scent production when their ambient temperature increased. Hence, there was a \_\_\_\_\_(D) decrease in emission of scent compounds as well.

This drop in the production of floral scent is the result of arrested expression and activity of proteins that help in biosynthesis of the compounds. Can'ani, who did a research on control mechanisms that help plants to \_\_\_\_\_(E)the process of scent emission, is now investigating a process called glycosylation.

**Q1. Select the most appropriate option for blank A.**

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- 1) Guessed
- 2) Find
- 3) Establish
- 4) Found
- 5) Ignored

**Correct Option: 4**

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**Solution:** The given blank will take a past participle as suggested by the use of plural auxiliary verb 'have' in the sentence. This eliminates option b) 'find' and option c) 'establish'. The sentence with the blank and the one after it talks about research conducted on the subject mentioned in the passage. So, use of word 'guessed' (which means 'estimated or concluded (something) without sufficient information to be sure of being correct') and 'ignored' (which means disregard intentionally) are incorrect here. Hence, the answer is option d) 'found'.

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**Q2. Select the most appropriate option for blank B.**

- 
- 1) Uniformity
  - 2) Stability
  - 3) Change
  - 4) Consistent
  - 5) Diversify

**Correct Option: 3**

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**Solution:** The given blank will take a noun as suggested by the use of the preposition 'in' and the noun 'climate' after it. So, this eliminates 'consistent'(adjective) and 'diversify' (verb). The sentence before the one with the blank talks about 'steady rise in temperature'. So, use of noun 'uniformity'( which means the quality of being uniform or same) or 'stability'(which means a situation in which something is not likely to change) is contextually incorrect in the given blank with the word 'climate' as mention in the sentence with the blank. Hence, the answer is option c) 'change'.

=====

**Q3. Select the most appropriate option for blank C.**

- 
- 1) Hide
  - 2) Exhibition
  - 3) Views
  - 4) Showed
  - 5) Conceal

**Correct Option: 4** ([Solve this question in a free SBI Clerk Mock Test Again for Practice here](#))

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**Solution:** The given blank will take a verb to connect the subject 'they' with the remaining part of the sentence. This eliminates option b) 'exhibition' which is a noun. The plural pronoun 'they' will take a plural verb after it. So, use of 'views' is incorrect in the given blank. Use of word 'hide' or 'conceal' (which means 'hide') is incorrect in the given blank as they do not fit contextually there. Hence, the answer is option d) 'showed'.

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**Q4. Select the most appropriate option for blank D.**

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- 1) Significant
- 2) Remark
- 3) Importantly
- 4) Irrelevant
- 5) Significantly

**Correct Option: 1**

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**Solution:** The given blank will take an adjective to modify the noun 'decrease' mention in the sentence with the blank. So, this eliminates 'remark'(verb), 'importantly' (adverb) and 'significantly'(adverb). Use of word 'irrelevant' (which means not connected with or relevant to something) is contextually incorrect in the given blank as the second paragraph talks about the drop in floral scent which suggests that the subject is not 'irrelevant'. Hence, the answer is option a) 'significant' (which means sufficiently great or important to be worthy of attention).

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**Q5. Select the most appropriate option for blank E.**

-----

- 1) Managed
- 2) Regulate
- 3) Damage
- 4) Controls
- 5) Displace

**Correct Option: 2**

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**Solution:** The given blank will take a root verb in it as suggested by the use of infinitive marker 'to' before the blank. This eliminates option a) 'managed' and option d) 'controls'. The sentence with the blank talks about 'control mechanism' and its use is further talked about in the sentence. So, use of word 'damage' or 'displace' (which means move from its proper or usual position') is incorrect in the given blank. Hence, the answer is option b) 'regulate' which means 'to control or manage'.

=====

**Q6. In the following question, a word has been given and there are three ways in which the word or one of its forms has been used. You need to see which of the sentence(s) has/have correctly used the given word and mark your answer accordingly.**

**HOSTILE**

- I. The land was rough and **hostile**, and yet they made much progress, and ever the Mountain drew nearer.
- II. He knew of the many stories of friends and relatives who, in the harsh glare of life abroad, became unreliable, even **hostile**, versions of their former selves.
- III. I am absolutely sure that we live in a **hostile** universe that is always conspiring for our highest and greatest good.

- 
- 1) Only II and III
  - 2) Only I
  - 3) Only I and II
  - 4) Only III
  - 5) All I, II and III

**Correct Option: 3** ([Practice again in a free SBI Clerk Memory Based Mock Test here](#))

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**Solution:** Hostile(adjective)- showing or feeling opposition or dislike; unfriendly; opposed and harmful. The word fits in (I) and (II). But in (III), the word does not fit contextually. The sentence talks of a universe which is conspiring for our highest and greatest good; 'benevolent' or 'helpful' or any other word on the same theme will fit in place of 'hostile'. Option C is the correct answer.

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**Q7. In the following question, a word has been given and there are three ways in which the word or one of its forms has been used. You need to see which of the sentence(s) has/have correctly used the given word and mark your answer accordingly.**

**VAGUE**

- I. As with so much of the language in the wellness and beauty industries, the language treads a fine line between being scientific-sounding and **vague** enough to avoid legal action.
- II. There are a number of theories, but no **vague** answer.
- III. Below the clouds I see **vague** ridges of mountains and dark forests.

- 1) Only II and III
- 2) Only I
- 3) Only I and II
- 4) Only I and III
- 5) All I, II and III

**Correct Option: 4**

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**Solution:** Vague(adjective)- of uncertain, indefinite, or unclear character or meaning; thinking or communicating in an unfocused or imprecise way. It fits correctly in (I) and (III), but it is contextually incorrect in (II). 'Vague' does not fit into (II) correctly; the sentence talks about a number of theories and then proceeds with a contrast. 'Definite' would be appropriate in the given statement. Hence, (d) is the right answer.

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**Q8. In the question below, a sentence is given with four words highlighted in bold. One of these four words may either be wrongly spelt or inappropriate in the context of the sentence. Find out the word, which is wrongly spelt or inappropriate, if any. If all the words are correctly spelt and appropriate in the context of the sentence, mark (E) as your answer.**

- A **monument** in **remember** of the St Lucian **soldiers** lost in the Second World War was **erected** years ago.
- 

- 1) Monument
- 2) Soldiers
- 3) Remember
- 4) Erected
- 5) All are correct

**Correct Option: 3**

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**Solution:** The usage of 'remember' is grammatically incorrect in the given sentence. 'Of' shows a belongingness and a noun ('remembrance') would precede before the said preposition and not a verb 'remember'. Hence, option c) is the right answer.

**Q9.** In the question below, a sentence is given with four words highlighted in bold. One of these four words may either be wrongly spelt or inappropriate in the context of the sentence. Find out the word, which is wrongly spelt or inappropriate, if any. If all the words are correctly spelt and appropriate in the context of the sentence, mark (E) as your answer.

- **Football** is the world's most **popular** ball game in numbers of **participants** and **spectators**.

- 
- 1) Popular
  - 2) Participants
  - 3) Spectators
  - 4) Football
  - 5) All are correct

**Correct Option: 4**

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**Solution:** The correct spelling of the first emboldened word is 'football' which refers to the game played between two teams of eleven people, where each team tries to win by kicking a ball into the other team's goal. Hence, d) is the correct answer.

=====

**Q10.** In the question below, a sentence is given with four words highlighted in bold. One of these four words may either be wrongly spelt or inappropriate in the context of the sentence. Find out the word, which is wrongly spelt or inappropriate, if any. If all the words are correctly spelt and appropriate in the context of the sentence, mark (E) as your answer.

- **Parliament** is debating a **proposition** which would **prohibit** smoking in public **plases**.

- 
- 1) Proposition
  - 2) Parliament
  - 3) Plases
  - 4) Prohibit
  - 5) All are correct

**Correct Option: 3**

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**Solution:** The correct spelling of the fourth emboldened word is 'places' which refers to an area, building, etc. Hence, c) is the correct answer.

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**Q11.** In the question below, a sentence is given with four words highlighted in bold. One of these four words may either be wrongly spelt or inappropriate in the context of the sentence. Find out the word, which is wrongly spelt or inappropriate, if any. If all the words are correctly spelt and appropriate in the context of the sentence, mark (E) as your answer.

- **Economists** have looked at factors that increase **animocity** between the rich and poor and **situations** in which they can live **harmoniously**.

-----

- 1) Economists
- 2) Animocity
- 3) Harmoniously
- 4) Situations
- 5) All are correct

**Correct Option: 2** ([Solve this question in a free SBI Clerk Mock Test Again for Practice here](#))

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**Solution:** The correct spelling of the second emboldened word is 'animosity' which means strong dislike, opposition or anger. Hence, b) is the correct answer.

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**Q12.** In the question below, a sentence is given with four words highlighted in bold. One of these four words may either be wrongly spelt or inappropriate in the context of the sentence. Find out the word, which is wrongly spelt or inappropriate, if any. If all the words are correctly spelt and appropriate in the context of the sentence, mark (E) as your answer.

- The **disappearance** of tens of thousands of **flights** from China's **skies** in recent weeks points to how the coronavirus has **hobbled** a nation.

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- 1) Disappearance
- 2) Flights
- 3) Skies
- 4) Hobbled
- 5) All are correct



**Correct Option: 5**

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**Solution:** All the emboldened words are correctly spelt in the given sentence. Hence, e) is the correct answer.

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**Q13. In the question given below, four sentences are given, which may or may not contain an error. Decide which of the sentence is grammatically correct or meaningful and mark the answer accordingly.**

-----

- 1) After more than a year, the district have experienced a complete makeover.
- 2) India's total internet subscriber base stands at 637 million, growing 29% in the past year.
- 3) The administration provided six sapling's of fruits, vegetables or flowering plants to every home.
- 4) More than 180 women entrepreneurs and self-help groups exhibited its organic products at the festival.
- 5) All are correct

**Correct Option: 2**

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**Solution:** The statement in option (a) is incorrect because use of auxiliary verb 'have' with the singular noun 'district' violates the subject-verb agreement; the auxiliary verb 'has' should have been used in the sentence instead.

The statement in option (c) is incorrect because of use of the possessive form of noun 'sapling's'; the noun 'saplings' should have been used in the sentence instead.

The statement in option (d) is incorrect because of use of the singular determiner 'its' to refer to the plural nouns 'entrepreneurs' and 'groups'; the plural determiner 'their' should have been used in the sentence instead.

The statement in option (b) is grammatically correct and meaningful. Hence, option (b) is the correct answer.

**Q14. In the question given below, four sentences are given, which may or may not contain an error. Decide which of the sentence is grammatically correct or meaningful and mark the answer accordingly.**

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- 1) The reduction in plastic use was accomplished by using paper bags as substitutes for polythene bags.
- 2) If one wants to deal with uncertainty, then he/she needs more supervise, not more regulation.
- 3) The plant is used to manufacture headlamps and tail lamps for passenger and commercially vehicles.
- 4) Environmental concerns has become an important decision-making determinant for consumers.
- 5) All are correct

**Correct Option: 1**

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**Solution:** The statement in option (b) is incorrect because the verb 'needs' requires an object with it; the noun 'supervision' should have been used in the sentence instead.

The statement in option (c) is incorrect because the adverb 'commercially' has been incorrectly used to modify the noun 'vehicles'; the adjective 'commercial' should have been used in the sentence instead.

The statement in option (d) is incorrect because the use of the auxiliary verb 'has' with the plural noun 'concerns' violates the subject verb agreement; the auxiliary verb 'have' should have been used in the sentence instead.

The statement in option (a) is grammatically correct and meaningful. Hence, option (a) is the correct answer.

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**Q15. In the question given below, four sentences are given, which may or may not contain an error. Decide which of the sentence is grammatically correct or meaningful and mark the answer accordingly.**

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- 1) We have a number of commercial deals, which are of great significance, said a senior official.
- 2) The study is based on a survey that used a sample of 125 people, interviewed on phone.
- 3) Lack of education among people has turned many places in the city into garbage dumps.
- 4) Management of waste cooking oil and fats from household and industry poses a significant challenge.
- 5) All are correct

**Correct Option: 5**

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**Solution:** All the sentences are grammatically correct and make sense. Hence, option (e) is the correct answer.

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**Q16. In the question given below, four sentences are given, which may or may not contain an error. Decide which of the sentence is grammatically correct or meaningful and mark the answer accordingly.**

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- 1) The government was determined to made the business environment more beneficial for airlines.
- 2) New York has been the world capital for all manner of industries for a decades.
- 3) Besides asking employees to work from home, companies are taken up backup office spaces in other locations.
- 4) Companies can brings meaningful changes in society through corporate social responsibility funds.
- 5) None are correct

**Correct Option: 5**

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**Solution:** The statement in option (a) is incorrect because the infinitive marker 'to' requires a verb in its base form after it; 'made' is the past form of verb or a past participle; the base form of verb, i.e., 'make' should have been used in the sentence instead.

The statement in option (b) is incorrect because of use of the plural noun 'decades' after the article 'a'; the singular form of noun 'decade' should have been used in the sentence instead.

The statement in option (c) is incorrect because the sentence is of present form; thus, the use of past participle 'taken' in the sentence renders the sentence grammatically incoherent; the present participle 'taking' should have been used in the sentence instead.

The statement in option (d) is incorrect because the modal auxiliary verb 'can' requires a verb in its base form; the verb 'brings' is the third person singular present verb form; the verb 'bring' should have been used in the sentence instead.

None of the statements in any of the options is grammatically correct. Hence, option (e) is the correct answer.

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**Q17. In the question given below, four sentences are given, which may or may not contain an error. Decide which of the sentence is grammatically correct or meaningful and mark the answer accordingly.**

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- 1) Traditionally, sectors such as health and educate have a clear blueprint and are easy to undertake.
- 2) State-wise analysis off expenditure reveals low concentration of economic activities in poor states.
- 3) The first 'Khelo India' University Games is to be held in Bhubaneswar, Odisha.
- 4) India has a culture of carrying out plantation drives, and they attracts huge participation.
- 5) All are correct

**Correct Option: 3** ([Practice again with a free Memory based SBI Clerk Mock Test here](#))

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**Solution:** The statement in option (a) is incorrect because the use of verb 'educate' in the sentence renders it meaningless; the noun 'education' should have been used in the sentence instead.

The statement in option (b) is incorrect because the use of preposition 'off' in the sentence renders it meaningless; the sentence requires a preposition that correctly expresses the relation between the nouns 'analysis' and 'expenditure'; the preposition 'of', which expresses the subject of the verb underlying the noun, should have been used in the sentence instead.

The statement in option (d) is incorrect because the use of singular form of verb 'attracts' with the pronoun 'they', which has been used to refer to the plural noun 'plantation drives' violates the subject-verb agreement; the plural form of verb 'attract' should have been used in the sentence instead.

The statement in option (c) is grammatically correct and meaningful. Hence, option (c) is the correct answer.

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**Q18. In the question given below, four sentences are given, which may or may not contain an error. Decide which of the sentence is grammatically correct or meaningful and mark the answer accordingly.**

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- 1) Drawing from the experience, we undertook similar initiatives in nearby communities successfully.
- 2) Rise in sea surface temperature, due to global warming, drove up humid in the coastal areas.
- 3) While other countries are struggling to control there population, India is on the path to stabilize theirs.
- 4) The mission aims to preserved the essence of rural community life.
- 5) All are correct

**Correct Option: 1**

-----

**Solution:** The statement in option (b) is incorrect because the verb 'drove' requires a noun after it; 'humid' is an adjective; the noun 'humidity' should have been used in the sentence instead.

The statement in option (c) is incorrect because the use of adverb 'there' to refer to the noun 'counties' renders the sentence meaningless; the determiner 'their' should have been used in the sentence instead.

The statement in option (d) is incorrect because the infinitive marker 'to' requires a verb in its base form after it; 'preserved' is a past form of verb or a past participle; the base form of verb, i.e., 'preserve' should have been used in the sentence instead.

The statement in option (a) is grammatically correct and meaningful. Hence, option (a) is the correct answer.

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**Q19. In the question given below, four sentences are given, which may or may not contain an error. Decide which of the sentence is grammatically correct or meaningful and mark the answer accordingly.**

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- 1) The main motive of the strategy is to provide access to financial services in an affordable manner.
- 2) There are more than 95 lakh milk producers that will be benefitted with this move.
- 3) It is essential to transform the eating habits, reduced food waste and also improve food production.
- 4) The population of the elephant species has declines greatly due to habitat loss.
- 5) All are correct

**Correct Option: 2**

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**Solution:** The statement in option (a) is incorrect because the adverb 'financially' has been incorrectly used to modify the noun 'services'; the adjective 'financial' should have been used in the sentence instead.

The statement in option (c) is incorrect because the usage of the word 'reduced' in the sentence is incorrect; 'reduced' is either a past participle or an adjective; the use of past form of verb 'reduced' with the base form of verbs 'transform' and 'improve' introduces a parallelism error in the sentence; the base form of verb 'reduce' should have been used in the sentence instead.

The statement in option (d) is incorrect because the auxiliary verb 'has' takes a past participle after it; the word 'declines' is a third person singular present verb form; the past participle 'declined' should have been used in the sentence instead.

The statement in option (b) is grammatically correct and meaningful. Hence, option (b) is the correct answer.

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**Q20.** In the question given below, a set of four sentences P, Q, R & S is given, which when properly sequenced, form a coherent paragraph. Arrange the sentences in the correct order and mark the correct order as your answer.

**P.** *Various celestial bodies such as the Sun and the Moon periodically repeat their movements.*

**Q.** *Both motions eventually correlate with important terrestrial events.*

**R.** *Some motions, like the daily "motion" of the Sun, are simple to observe.*

**S.** *While others, like the annual "motion" of the Sun, are far more difficult.*

- 
- 1) PRSQ
  - 2) SPQR
  - 3) PQSR
  - 4) SQRP
  - 5) QSRP

**Correct Option: 1**

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**Solution:** P is the introductory statement in the passage as it introduces the idea that some celestial bodies exhibit movements that are periodically repeated.

RS is a mandatory pair in the same order; R states that some motions are simple to observe while S states the contrast by stating that some motions are difficult to observe. S is followed by Q; Q states that both the motions (as stated in R and S) correlate with other terrestrial events that are important.

Thus, P is followed by RSQ and the correct order is PRSQ. Hence, option (a) is the correct answer.

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**Q21.** In the question given below, a set of four sentences P, Q, R & S is given, which when properly sequenced, form a coherent paragraph. Arrange the sentences in the correct order and mark the correct order as your answer.

**P.** *This charm derives from his remarkable life story.*

**Q.** *His historical role as saviour of the Union and emancipator of the slaves was also a contributor to this.*

**R.** *The rise from humble origins, the dramatic death - and from his distinctively human and humane personality.*

**S.** *Among American heroes, Lincoln continues to have a unique appeal for his fellow countrymen and also for people of other lands.*

-----

- 1) RQPS
- 2) SPRQ
- 3) RSQP
- 4) SQRP
- 5) PRQS

**Correct Option: 2**

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**Solution:** S is the only independent statement in the passage and will be the introductory statement. S tells us about American heroes and states that among them, Lincoln had a unique appeal which continues to inspire people from the country and the other countries as well. S is followed by P; P states the reason behind the unique appeal of Lincoln, i.e., his remarkable life story. P is then followed by R; R tells us what was remarkable in his life story, i.e., his rise from humble origins, the dramatic nature of his death and his personality, which was humane. Finally, Q is the last statement; Q talks about his role as saviour of the Union and the fact that he provided freedom to slaves, thus, adding to the list of reasons due to which he continues to appeal people today.

Therefore, the correct order is SPRQ. Hence, option (b) is the correct answer.

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**Q22.** In the question given below, a set of four sentences P, Q, R & S is given, which when properly sequenced, form a coherent paragraph. Arrange the sentences in the correct order and mark the correct order as your answer.

**P.** *Small activities like squats can now get you a free platform ticket at the railway stations, as part of the railways' Fit India initiative.*

**Q.** *This is a first-of-its-kind scheme, under which the Indian Railways has installed a squat machine at the Anand Vihar station.*

**R.** *Fitness always pays off and the Indian Railways, under its initiative to promote the culture of fitness among the people, wants you to save your hard-earned money.*

**S.** *This scheme is also a part of the broader objective of the government to make the people of the country fitter.*

-----

- 1) RQSP
- 2) QPRS
- 3) RPQS
- 4) QRSP
- 5) SQPR

**Correct Option: 3**



**Solution:** R is the introductory statement of the passage. R states the fact that fitness yields benefits and to promote the culture of fitness, an initiative has been launched by the Indian Railways, which can also save you some money. P tells further information about the idea in statement P; it states that people can now get a platform ticket for free (which shows a method to save money as stated in statement R) if they do some squats at the railway station. It also states the name of the initiative. P is then followed by Q; Q states that the scheme is unique and the first of its kind. Q is followed by S; S tells that this scheme is part of the broader objective of the government, which is to make the people of the country more fit.

Therefore, the correct order is RPQS. Hence, option (c) is the correct answer.

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**Directions (Q 23 to 30):** Read the passage carefully and answer the questions that follow.

The fight against mosquitoes has been waging since the dawn of humankind. In fact, these pests are often considered the top natural enemy of humans, since they're a vector species for a number of fatal diseases. Through the centuries, humans have fought back against this scourge in one way or another. Some solutions have proven to be highly effective at combatting mosquitoes, and others simply do not work. Regardless, scientists continue to develop new ways to get rid of mosquitoes, and one the most recent is the development of Genetically Modified Organisms (GMO) mosquitoes. These lab-raised insects are then mixed in with the wild population, where the two breed. The resulting offspring, however, die off before reaching maturity. GMO mosquitoes have their proponents and detractors. Supporters of the technology consider it a huge step forward in the war against mosquitoes. Critics say it is dangerous to manipulate the DNA of any animal, and the experimentation could bring disastrous consequences.

For the producers and supporters of GMO mosquitoes, this solution offers an environmentally friendly way to remove an invasive mosquito species. It has been shown that invasive mosquitoes can carry diseases that can be fatal to humans. Scientists say the introduction of GMO mosquitoes will lower the population of disease-carrying biting insects over time. Moreover, no pesticides are added to the environment when using GMO mosquitoes.

For the critics of GMO mosquitoes, these "Frankenstein" creatures pose an unquantifiable threat that may not have appropriate **checks** and balances in nature. There are also some concerns that the GMO mosquitoes may carry or develop unknown pathogens that hurt humans and that the GMO mosquitoes may mutate into a stronger mosquito that can reproduce, which poses a whole new threat. Critics also say that there has not been **adequate** testing and observation of the GMO mosquitoes.

Naturally, both sides say their points or concerns outweigh those from the other side. The use of GMO mosquitoes is definitely increasing. Brazil, for example, has a GMO mosquito-breeding facility with plans to begin releasing the GMOs soon. Here in the U.S., plans are underway to test GMO mosquitoes in the Florida Keys and measure the results. While that's

all happening, anti-GMO activists are doing everything they can to stop such releases. Who's right? It's hard to say, since both have valid concerns. As a result, one can only say, "Time will tell."

**Q23. Which of the following words best expresses the opposite meaning of the word "adequate" as used in the context of the passage?**

- 
- 1) Enough
  - 2) Sufficient
  - 3) Ample
  - 4) Apposite
  - 5) Deficient

**Correct Option: 5**

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**Solution:** Adequate- satisfactory or acceptable in quality or quantity; sufficient and enough. Option E is the correct answer. Rest of the options are synonyms of 'adequate'.

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**Q24. Which of the following abilities might be acquired by the mutated GMO mosquitoes as per the passage?**

- 
- 1) Ability to survive in harsh conditions
  - 2) Ability to reproduce
  - 3) Ability to detect and avoid pets
  - 4) Ability to fly higher
  - 5) None of the above

**Correct Option: 2**

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**Solution:** It is mentioned in the third paragraph that "the GMO mosquitoes may mutate into a stronger mosquito that can reproduce, which poses a whole new threat." Other options are not mentioned in the passage. Option B is the correct answer.

**Q25. Which of the following words best expresses the meaning of the word "checks" as used in the context of the passage?**

-----

- 1) Exam
- 2) Difficult
- 3) Restraint
- 4) Inspect
- 5) Uneven

**Correct Option: 3**

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**Solution:** The word 'check' has been used as a noun here and it has been used to convey the meaning of 'a means of control or restraint'. All the other words are somewhat unrelated to the given word except option C. Restraint- a measure or condition that keeps someone or something under control. Option C is the correct answer.

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**Q26. What is the overall tone of the passage?**

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- 1) Sarcastic
- 2) Apprehensive
- 3) Informative
- 4) Derogatory
- 5) Critical

**Correct Option: 3**

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**Solution:** Sarcastic- marked by or given to using irony in order to mock or convey contempt. Apprehensive- anxious or fearful that something bad or unpleasant will happen. Derogatory- showing a critical or disrespectful attitude. Critical- expressing adverse or disapproving comments or judgements. The passage talks about GMO mosquitoes, mentions points in support of it and also criticising it and then sums up the passage by telling us that only time will tell who is right and who is wrong. None of the words express the tone of the passage except informative. Informative- providing useful or interesting information. Option C is the correct answer.

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**Q27. What happens to the resulting offspring when GMO mosquitoes breed with the wild population?**

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- 1) They die off instantly.
- 2) They die off before reaching maturity
- 3) They die off in the first year
- 4) They die off after reproducing
- 5) None of the above

**Correct Option: 2**

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**Solution:** It is mentioned in the first paragraph that "These lab-raised insects are then mixed in with the wild population, where the two breed. The resulting offspring, however, die off before reaching maturity." Option B is the correct answer.

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**Q28. According to the passage, what is the viewpoint of the critics of the technology (GMO mosquitoes)?**

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- 1) Critics say it is dangerous to interfere with the nature and that GMO mosquitoes might disrupt the food chain.
- 2) Critics are concerned about the new technology because they feel it might suppress the population of their natural brethren.
- 3) Critics say it is dangerous to manipulate the DNA of any animal, and the experimentation could bring disastrous consequences.
- 4) Critics are concerned that some of the genes of the genetically modified mosquitoes might pass on into human beings.
- 5) Critics are disappointed because the war against mosquitoes seems to be turning against the humans.

**Correct Option: 3**

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**Solution:** The last sentence of the first paragraph says, "Critics say it is dangerous to manipulate the DNA of any animal, and the experimentation could bring disastrous consequences." Hence, c) is the correct answer.

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**Q29. Which of the following country has a GMO mosquito-breeding facility?**

- 
- 1) Brazil
  - 2) New Zealand
  - 3) Australia
  - 4) South Africa
  - 5) Argentina

**Correct Option: 1**

-----

**Solution:** The third sentence of the last paragraph says, "Brazil, for example, has a GMO mosquito-breeding facility with plans to begin releasing the GMOs soon." Hence, a) is the correct answer.

=====

**Q30. Which of the following is/are TRUE according to the passage?**

- I. Mosquitoes are often considered the top natural enemy of humans.
  - II. The use of GMO mosquitoes is definitely decreasing.
  - III. There are concerns that GMO mosquitoes may carry or develop unknown pathogens that hurt humans.
- 

- 1) Only i)
- 2) Only ii)
- 3) Both i) and iii)
- 4) Both i) and ii)
- 5) Both ii) and iii)

**Correct Option: 3** ([Solve Entire English section again as a mock test here](#))

-----

**Solution:** Statement i) is true; the second sentence of the first paragraph says, "In fact, these pests are often considered the top natural enemy of humans, since they're a vector species for a number of fatal diseases."

Statement ii) is incorrect; the second sentence of the last paragraph says, "The use of GMO mosquitoes is definitely increasing."

Statement iii) is true; the second sentence of the third paragraph says, "There are also some concerns that the GMO mosquitoes may carry or develop unknown pathogens that hurt humans and that the GMO

mosquitoes may mutate into a stronger mosquito that can reproduce, which poses a whole new threat."

Hence, c) is the correct answer.

=====

**Q31. Ratio of milk and water in a mixture is 5: 4 and 45 litres of mixture are taken out and 15 litres water is added. Now, quantity of milk in the mixture becomes 4 litres more than that of water, then what is the initial quantity of mixture?**

-----

- 1) 172 litres
- 2) 213 litres
- 3) 216 litres
- 4) 190 litres
- 5) 154 litres

**Correct Option: 3**

-----

**Solution:** Let quantity of milk and water in the mixture initially is '5x' and '4x' respectively.

Quantity of milk when 45 litres is taken out =  $5x - [45 * (5/9)] = (5x - 25)$

Quantity of water when 45 litres is taken out and 15 litres is added =  $4x - [45 * (4/9)] + 15 = (4x - 5)$

Now,

$$(5x - 25) = (4x - 5) + 4$$

$$x = (25 - 5 + 4)$$

$$x = 24$$

Hence, initial quantity of mixture =  $5x + 4x = 9x = 216$  litres

**Q32.** In each of the following questions, two equations numbered I and II with variables  $x$  and  $y$  are given. You have to solve both the equations to find the value of  $x$  and  $y$  and give answer

I.  $16x^2 - 16x + 3 = 0$

II.  $2y^2 - y - 3 = 0$

- 
- 1)  $x < y$
  - 2)  $x > y$
  - 3)  $x \geq y$
  - 4)  $x \leq y$
  - 5)  $x = y$  or relationship cannot be established.

**Correct Option: 5**

-----

Solution: (I)  $16x^2 - 16x + 3 = 0$

$$\Rightarrow 16x^2 - 12x - 4x + 3 = 0$$

$$\Rightarrow 4x(4x - 3) - (4x - 3) = 0$$

$$\Rightarrow (4x - 3)(4x - 1) = 0$$

$$\Rightarrow x = \frac{3}{4} \text{ or } \frac{1}{4}$$

$$\Rightarrow x = 0.75 \text{ or } 0.25$$

(II)  $2y^2 - y - 3 = 0$

$$\Rightarrow 2y^2 - 3y + 2y - 3 = 0$$

$$\Rightarrow y(2y - 3) + (2y - 3) = 0$$

$$\Rightarrow (2y - 3)(y + 1) = 0$$

$$\Rightarrow y = \frac{3}{2}, \text{ or } -1$$

$$\Rightarrow y = 1.5 \text{ or } -1$$

When  $x = 0.75$  and  $y = 1.5$ , so,  $x < y$

And, when  $x = 0.75$  and  $y = -1$  so,  $x > y$

And, when  $x = 0.25$  and  $y = 1.5$  so,  $x < y$

And, when  $x = 0.25$  and  $y = -1$  so,  $x > y$

Hence, the relation cannot be established between  $x$  and  $y$

=====

**Q33. In each of the following questions, two equations numbered I and II with variables  $x$  and  $y$  are given. You have to solve both the equations to find the value of  $x$  and  $y$  and give answer**

I.  $2x^2 - 7x + 5 = 0$

II.  $y = \sqrt[3]{8}$

-----

- 1)  $x < y$
- 2)  $x > y$
- 3)  $x \geq y$
- 4)  $x \leq y$
- 5)  $x = y$  or relationship cannot be established.

**Correct Option: 5**

-----

**Solution:** (I)  $2x^2 - 7x + 5 = 0$

$$\Rightarrow 2x^2 - 2x - 5x + 5 = 0$$

$$\Rightarrow 2x(x - 1) - 5(x - 1) = 0$$

$$\Rightarrow (2x - 5)(x - 1) = 0$$

$$\Rightarrow x = 5/2 \text{ or } 1$$

$$\Rightarrow x = 2.5 \text{ or } 1$$

And,  $y = \sqrt[3]{8}$

$$\Rightarrow y = 2$$

When  $x = 2.5$  and  $y = 2$  so,  $x > y$

And, when  $x = 1$  and  $y = 2$  so,  $x < y$

Hence, relationship cannot be established between  $x$  and  $y$ .

=====



**Q34.** In each of the following questions, two equations numbered I and II with variables  $x$  and  $y$  are given. You have to solve both the equations to find the value of  $x$  and  $y$  and give answer

I.  $x^2 - 11x + 10 = 0$

II.  $y^2 - 5y + 6 = 0$

- 
- 1)  $x < y$
  - 2)  $x > y$
  - 3)  $x \geq y$
  - 4)  $x \leq y$
  - 5)  $x = y$  or relationship cannot be established.

**Correct Option: 5**

-----

**Solution:** (I)  $x^2 - 11x + 10 = 0$

$$\Rightarrow x^2 - x - 10x + 10 = 0$$

$$\Rightarrow (x - 10)(x - 1) = 0$$

$$\Rightarrow x = 10, 1$$

(II)  $y^2 - 5y + 6 = 0$

$$\Rightarrow y^2 - 2y - 3y + 6 = 0$$

$$\Rightarrow y(y - 2) - 3(y - 2) = 0$$

$$\Rightarrow (y - 2)(y - 3) = 0$$

$$\Rightarrow y = 2 \text{ or } 3$$

When  $x = 10$  and  $y = 2$ , so,  $x > y$

And, when  $x = 10$  and  $y = 3$ , so,  $x > y$

And, when  $x = 1$  and  $y = 2$ , so,  $x < y$

And, when  $x = 1$  and  $y = 3$ , so,  $x < y$

Hence, relationship cannot be established between  $x$  and  $y$ .

=====

**Q34. In each of the following questions, two equations numbered I and II with variables x and y are given. You have to solve both the equations to find the value of x and y and give answer**

I.  $3x^2 + 7x - 20 = 0$

II.  $6y^2 - y - 15 = 0$

- 
- 1)  $x = y$  or relation can't be determined
  - 2)  $x < y$
  - 3)  $x > y$
  - 4)  $x \geq y$
  - 5)  $x \leq y$

**Correct Option: 1**

-----

Solution:  $3x^2 + 7x - 20 = 0$

$(x + 4)(3x - 5) = 0$

$x = -4$  and  $5/3$

$6y^2 - y - 15 = 0$

$(2y + 3)(3y - 5) = 0$

$y = -3/2$  and  $5/3$

Hence, relation can't be determined.

=====

**Q36. In each of the following questions, two equations numbered I and II with variables x and y are given. You have to solve both the equations to find the value of x and y and give answer**

I.  $7x^2 - 5x + 5 = 7$

II.  $7y^2 = -24y - 9$

- 1)  $x < y$
- 2)  $x = y$  or relation can't be determined
- 3)  $x > y$
- 4)  $x \geq y$
- 5)  $x \leq y$

**Correct Option: 3**

**Solution:**  $7x^2 - 5x + 5 = 7$

$$7x^2 - 5x - 2 = 0$$

$$(x - 1)(7x + 2) = 0$$

$$x = 1 \text{ and } -2/7$$

$$7y^2 = -24y - 9$$

$$7y^2 + 24y + 9 = 0$$

$$(y + 3)(7y + 3) = 0$$

$$y = -3 \text{ and } -3/7$$

Hence,  $x > y$

=====

**Q37. Ratio of length to width of a rectangle is 3: 2, if length is increased by 25% and width is kept constant and area of rectangle is increased by 24 m<sup>2</sup>, then what is the width of the rectangle?**

-----

- 1) 15 m
- 2) 12 m
- 3) 8 m
- 4) 10 m
- 5) 20 m

**Correct Option: 3**

-----  
**Solution:** Let length and width of rectangle is '3x' and '2x' respectively.

$$\text{Original area} = 3x * 2x = 6x^2$$

$$\text{Increased length} = 125\% \text{ of } 3x = 3.75x$$

$$\text{New area} = 3.75x * 2x = 7.5x^2$$

Now,

$$7.5x^2 - 6x^2 = 24$$

$$x = 4$$

$$\text{Width} = 2x = 8 \text{ m}$$

=====

**Q38. 400, 394, 378, 352, 316, ?**

- 
- 1) 290
  - 2) 280
  - 3) 270
  - 4) 260
  - 5) 250

**Correct Option: 3**

-----

**Solution:** Logic in the series:

$$400 - 6 = 394$$

$$394 - 16 = 378$$

$$378 - 26 = 352$$

$$352 - 36 = 316$$

$$316 - 46 = 270$$

=====

Q39. 18, 31, 42, 49, 54, ?

-----

- 1) 56
- 2) 57
- 3) 62
- 4) 60
- 5) 64

Correct Option: 2

-----

Solution: Logic in the series:

$18 + 13 = 31$

$31 + 11 = 42$

$42 + 7 = 49$

$49 + 5 = 54$

$54 + 3 = 57$

=====

Q40. 6, 8, 14, 26, 46, ?

-----

- 1) 84
- 2) 82
- 3) 80
- 4) 78
- 5) 76

Correct Option: 5

-----

Solution: Logic in the series:

6	8	14	26	46	76
2	6	12	20	30	
	4	6	8	10	

Hence, missing term of the series = 76

=====

Q41. 76, 80, 107, 123, ?, 284

-----

- 1) 248
- 2) 250
- 3) 252
- 4) 254
- 5) 256

Correct Option: 1

-----

Solution: Logic in the series:

$76 + 2^2 = 80$

$80 + 3^3 = 107$

$107 + 4^2 = 123$

$123 + 5^3 = 248$

$248 + 6^2 = 284$

=====

Q42. 72000, 36000, 12000, 3000, 600, ?

-----

- 1) 180
- 2) 160
- 3) 150
- 4) 120
- 5) 100

Correct Option: 5

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-----  
**Solution:** Logic in the series:

$$72000 \div 2 = 36000$$

$$36000 \div 3 = 12000$$

$$12000 \div 4 = 3000$$

$$3000 \div 5 = 600$$

$$600 \div 6 = 100$$

=====

**Q43.** 4 years ago age of A was 1.5 times of that of B and difference between their ages after 4 years will be 20 years, then what is the present age of A?

- 
- 1) 80 years
  - 2) 60 years
  - 3) 32 years
  - 4) 47 years
  - 5) 64 years

**Correct Option: 5**

-----

**Solution:** Let ages of A and B 4 years ago was '3x' and '2x' respectively.

Now,

$$(3x + 8) - (2x + 8) = 20$$

$$x = 20$$

$$\text{Present age of A} = 3x + 4 = 64 \text{ years}$$

=====

**Q44.** A invests 10% of his salary in MF and 30% spends in Grocery. If he invests Rs.4800 in MF, then how much he spends on Grocery?

-----

- 1) Rs.13200
- 2) Rs.14400
- 3) Rs.16400
- 4) Rs.12800
- 5) Rs.19200

**Correct Option: 2**

-----

**Solution:** Let salary =  $100x$

Amount invested in MF = 10% of  $100x = 10x$

Amount spends in Grocery = 30% of  $100x = 30x$

Now,

$$10x = 4800$$

$$x = 480$$

Amount spends in Grocery =  $30x = \text{Rs.}14400$

=====

**Q45. P and Q started a business with investment of Rs.2400 and Rs.3600 respectively. If at the end of 3 years Q withdraws Rs.1800, then what is the ratio of profit share of P to Q at the end of 5<sup>th</sup> year?**

-----

- 1) 5: 6
- 2) 5: 7
- 3) 3: 5
- 4) 7: 9
- 5) 6: 11

**Correct Option: 1**

-----

**Solution:** Profit weightage of P =  $2400 * 5 = 12000$

Profit weightage of Q =  $3600 * 3 + 1800 * 2 = 14400$

Ratio of profit share of P to Q =  $12000: 14400 = 5: 6$



=====

**Q46. Average cost price of items A and B is Rs.400. A and B are sold at 10% and 20% profit respectively and total selling price of A and B is Rs.918, then find the cost price of item B?**

- 
- 1) Rs.360
  - 2) Rs.480
  - 3) Rs.190
  - 4) Rs.380
  - 5) Rs.420

**Correct Option: 4**

-----

**Solution:** Total profit % on both the item =  $[(918 - 800)/800] * 100 = 14.75\%$

By the rule of alligation:

10% 20%

14.75%

Ratio of CP of A to B =  $[20 - 14.75] : [14.75 - 10] = 5.25 : 4.75 = 21 : 19$

CP of B =  $(2 * 400) * (19/40) = \text{Rs.}380$

=====

**Q47. A invested Rs. x at 10% per annum for 1 year and B invested Rs. (x + 400) at 16% per annum for 2 years. If sum of simple interest earned by A and B is Rs. 254, then what is the value of x?**

- 
- 1) Rs. 320
  - 2) Rs. 300
  - 3) Rs. 360
  - 4) Rs. 400
  - 5) Rs. 500

**Correct Option: 2**

-----

**Solution:** According to the question,

$$(x * 10 * 1)/100 + ((x + 400) * 16 * 2)/100 = 254$$

$$\Rightarrow 10x + 32x + 12800 = 25400$$

$$\Rightarrow 42x = 12600$$

$$\Rightarrow x = \text{Rs. } 300$$

=====

**Q48.  $280 \div 4 \div 2 = 170 - ?$**

-----

- 1) 135
- 2) 125
- 3) 128
- 4) 120
- 5) 124

**Correct Option: 1**

-----

**Solution:**  $280 \div 4 \div 2 = 170 - ?$

$$\Rightarrow ? = 170 - 35$$

$$\Rightarrow ? = 135$$

=====

**Q49.  $(\sqrt{144} + \sqrt{169}) * 3 = ?/5$**

-----

- 1) 237
- 2) 255
- 3) 375
- 4) 325
- 5) 322

**Correct Option: 3**

-----

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**Solution:**  $(\sqrt{144} + \sqrt{169}) * 3 = ?/5$

$$\Rightarrow (12 + 13) * 3 = ?/5$$

$$\Rightarrow ? = 25 * 3 * 5$$

$$\Rightarrow ? = 375$$

=====

**Q50.  $(12 * 5 \div 4) * 8 = ?$**

-----

- 1) 144
- 2) 145
- 3) 124
- 4) 123
- 5) 120

**Correct Option: 5**

-----

**Solution:**  $(12 * 5 \div 4) * 8 = ?$

$$\Rightarrow ? = 15 * 8$$

$$\Rightarrow ? = 120$$

=====

**Q51.  $(3(1/2) + 2/3 + 1/2) * 30 = ?$**

-----

- 1) 134
- 2) 140
- 3) 125
- 4) 130
- 5) 126

**Correct Option: 2**

**Solution:**  $(3\frac{1}{2} + \frac{2}{3} + \frac{1}{2}) * 30 = ?$

$$\Rightarrow ? = 4\frac{2}{3} * 30$$

$$\Rightarrow ? = 14\frac{2}{3} * 30$$

$$\Rightarrow ? = 140$$

=====

**Q52.**  $3428 \div 3 \div 4 * 60 = ?$

-----

- 1) 17610
- 2) 17140
- 3) 17150
- 4) 17890
- 5) 17180

**Correct Option: 2**

-----

**Solution:**  $3428 \div 3 \div 4 * 60 = ?$

$$\Rightarrow ? = 17140$$

=====

**Q53.**  $3^3 + 4^2 + 460 = ?$

-----

- 1) 512
- 2) 503
- 3) 542
- 4) 564
- 5) 506

**Correct Option: 2**

-----

**Solution:**  $3^3 + 4^2 + 460 = ?$

$$\Rightarrow ? = 27 + 16 + 460$$

$$\Rightarrow ? = 503$$

=====

**Q54.  $(28 * 5 + 14) * 5 = ?$**

-----

- 1) 780
- 2) 760
- 3) 770
- 4) 750
- 5) 775

**Correct Option: 3**

-----

**Solution:**  $(28 * 5 + 14) * 5 = ?$

$$\Rightarrow ? = (140 + 14) * 5$$

$$\Rightarrow ? = 154 * 5$$

$$\Rightarrow ? = 770$$

=====

**Q55.  $(36 * 4 + 25)/13 = 104/?$**

-----

- 1) 5
- 2) 6
- 3) 7
- 4) 9
- 5) 8

**Correct Option: 5**

**Solution:**  $(36 \times 4 + 25)/13 = 104/?$

$\Rightarrow ? = 104/13$

$\Rightarrow ? = 8$

=====

**Q56.**  $(288 \div 4 \div 3 - 4) \div 5 = ? - 32$

-----

- 1) 30
- 2) 28
- 3) 36
- 4) 32
- 5) 40

**Correct Option: 3**

-----

**Solution:**  $(288 \div 4 \div 3 - 4) \div 5 = ? - 32$

$\Rightarrow ? = 4 + 32$

$\Rightarrow ? = 36$

=====

**Q57.**  $4(1/2) + 3/4 - 1/4 = ? - 1(1/2)$

-----

- 1)  $2(1/2)$
- 2)  $3(1/2)$
- 3)  $5(1/2)$
- 4)  $4(1/2)$
- 5)  $6(1/2)$

**Correct Option: 5**

-----

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**Solution:**  $4(1/2) + 3/4 - 1/4 = ? - 1(1/2)$

$\Rightarrow 4(1/2) + 2/4 + 1(1/2) = ?$

$\Rightarrow ? = 6(1/2)$

=====

**Q58.** Time taken by a boat to cover 76.8 km downstream is 4 hours 48 minutes and ratio of speed of boat in still water to the speed of stream is 7: 1, then what is the upstream speed of boat?

-----

- 1) 12 km/h
- 2) 10 km/h
- 3) 9 km/h
- 4) 8 km/h
- 5) 6 km/h

**Correct Option: 1**

-----

**Solution:** Time taken to cover 76.8 km downstream = 4 hours 48 minutes = 4.8 hours

Downstream speed =  $76.8/4.8 = 16$  km/h

Upstream speed =  $16 * [(7 - 1)/(7 + 1)] = 12$  km/h

=====

**Directions (Q 59 to 63):** Table given below shows the number of male and female employees in five different companies:

Companies	Male employees	Female employees
A	500	250
B	200	350
C	400	300
D	250	800
E	750	400

Q59. What is the average number of female employees in companies C, D and E together?

-----

- 1) 600
- 2) 400
- 3) 500
- 4) 700
- 5) 300

Correct Option: 3

-----

**Solution:** Total number of female employees in companies C, D and E together = 300 + 800 + 400 = 1500

Required average =  $1500/3 = 500$

=====

Q60. What is the difference between total male employees in companies B and C together and female employees in company E?

-----

- 1) 200
- 2) 250
- 3) 150
- 4) 120
- 5) 180

Correct Option: 1

-----

**Solution:** Total male employees in companies B and C together = 200 + 400 = 600

Female employees in company E = 400

Required difference =  $600 - 400 = 200$

=====



**Q61.** Total male employees in companies A, B and C together is approximately what percent less than the female employees in companies A, B and D together?

-----

- 1) 13%
- 2) 31%
- 3) 17%
- 4) 27%
- 5) 21%

**Correct Option:** 5

-----

**Solution:** Total male employees in companies A, B and C together = 500 + 200 + 400 = 1100

Total female employees in companies A, B and D together = 250 + 350 + 800 = 1400

Difference = 1400 - 1100 = 300

Required percent = (300/1400) \* 100 = 21%

=====

**Q62.** What is the ratio of male employees in companies D and E together to the female employees in companies B and E together?

-----

- 1) 3: 2
- 2) 8: 7
- 3) 5: 2
- 4) 4: 3
- 5) 7: 3

**Correct Option:** 4

-----

**Solution:** Male employees in companies D and E together = 250 + 750 = 1000

Female employees in companies B and E together = 350 + 400 = 750

Required ratio = 1000: 750 = 4: 3

=====

**Q63. Total number of employees in company C is how much less than the total employees in company E?**

- 
- 1) 350
  - 2) 450
  - 3) 250
  - 4) 400
  - 5) 300

**Correct Option: 2**

-----

**Solution:** Total number of employees in company C =  $400 + 300 = 700$

Total number of employees in company E =  $750 + 400 = 1150$

Required difference =  $1150 - 700 = 450$

=====

**Q64. A and B alone can complete a piece of work in 20 days and 30 days respectively. If A and B together started working and after 5 days B leave the work, then in how many days A alone can complete the remaining work?**

-----

- 1)  $12\frac{1}{2}$  days
- 2)  $11\frac{2}{3}$  days
- 3)  $10\frac{1}{3}$  days
- 4)  $10\frac{2}{3}$  days
- 5)  $12\frac{1}{3}$  days

**Correct Option: 2**

-----

**Solution:** Let total unit of work = (LCM of 20 and 30) = 60 units

Efficiency of A =  $60/20 = 3$  units per day

And, efficiency of B =  $60/30 = 2$  units per day

So, in five days work done by A and B together =  $5 * (2 + 3) = 25$  units

Remaining work =  $60 - 25 = 35$  units

A completed the remaining work in =  $35/3 = 11(2/3)$  days

=====

**Q65.** A alone can complete a piece of work in 25 days and A is 40% less efficiency than B, then in how many days A and B together can complete 80% of the work?

-----

- 1)  $7(1/3)$  days
- 2) 9 days
- 3) 7 days
- 4) 7.5 days
- 5) 8 days

**Correct Option: 4** ([Solve Entire Quant section again as a mock test here](#))

-----

**Solution:** A alone can complete the work in = 25 days

So, B alone can complete the work in =  $25 * 60/100 = 15$  days

A and B together can complete the whole work in =  $1/(1/25 + 1/15) = 75/8$

So, A and B together can complete 80% of work in =  $80/100 * 75/8 = 7.5$  days

=====

**Directions (Q 66 to 70) :** Study the following information and answer the given questions.

***Eight people, A, B, C, D, E, F, G, and H, are seated around a circular table, facing the centre.***

***Two persons are seated between A and B. A sits second to the left of C. Number of people seated between A and C equals the number of people seated between C and D. Both F and C are not immediate neighbours of H. H sits second to the right of G.***

-----

**Q66.** Who among the following is an immediate neighbour of C?

- 1) E
- 2) G
- 3) F
- 4) A
- 5) None of the above

**Correct Option: 3**

-----

**Solution:** F is an immediate neighbour of C.

=====

**Q67. Who sits opposite to H?**

-----

- 1) C
- 2) D
- 3) A
- 4) B
- 5) None of the above

**Correct Option: 4**

-----

**Solution:** B sits opposite to H.

=====

**Q68. In which position is D seated with respect to A?**

-----

- 1) 2<sup>nd</sup> to the left
- 2) 2<sup>nd</sup> to the right
- 3) 3<sup>rd</sup> to the right
- 4) 4<sup>th</sup> to the left
- 5) None of the above

**Correct Option: 4**

-----

**Solution:** D sits 4<sup>th</sup> to the left of A.

**Q69.** How many people are seated between E and F, when counted clockwise direction from F?

-----

- 1) 3
- 2) 4
- 3) 2
- 4) Cannot be determined
- 5) More than 4

**Correct Option: 3**

-----

**Solution:** Two people are seated between E and F, when counted clockwise direction from F.

=====

**Q70.** \_\_\_\_\_ sits 3<sup>rd</sup> to the right of H?

-----

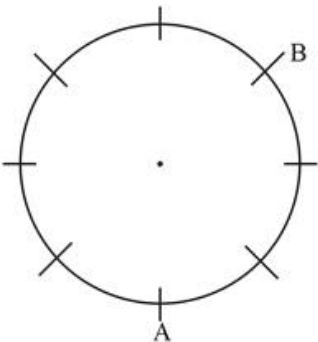
- 1) G
- 2) A
- 3) C
- 4) D
- 5) E

**Correct Option: 3**

-----

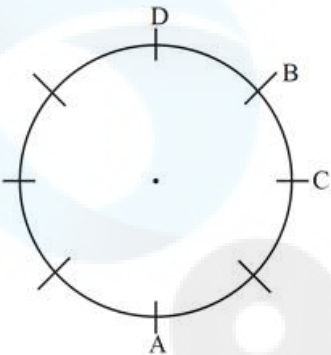
**Solution:** C sits 3<sup>rd</sup> to the right of H.

**Complete Solution:** Two persons are seated between A and B.



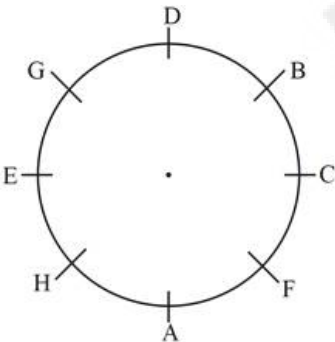
Number of people seated between A and C equals the number of people seated between C and D.

A sits second to the left of C.



H sits second to the right of G.

Both F and C are not immediate neighbours of H.



=====

**Directions (Q71 to 75):** Study the following information and answer the given questions.

*Eight people, A, B, C, D, P, Q, R and S, purchase an item from a shop in a day. No two persons purchase at the same time.*

*Four persons have purchased between A and C, where A being the first person to purchase the item. Three persons have purchased between A and Q. Two persons have purchased between P and Q. B purchased immediately before P. One person purchased the item between D and R, D has purchased before R.*

-----

**Q71.** Who is the last person to purchase the item?

- 1) D
- 2) R
- 3) C
- 4) P
- 5) None of the above

**Correct Option: 4**

-----  
**Solution:** P is the last person to purchase the item.  
=====

**Q72. How many people purchased the item before B?**

- 
- 1) 3
  - 2) 4
  - 3) 1
  - 4) 2
  - 5) 6

**Correct Option: 5**

-----  
**Solution:** Six people purchased the item before B.  
=====

**Q73. \_\_\_\_\_ purchased immediately after D.**

- 
- 1) S
  - 2) Q
  - 3) P
  - 4) B
  - 5) None of the above

**Correct Option: 1**

-----  
**Solution:** S purchased immediately after D.

Q74. R is the \_\_\_\_\_ person to purchase the item.

-----

- 1) 2<sup>nd</sup>
- 2) 3<sup>rd</sup>
- 3) 4<sup>th</sup>
- 4) 7<sup>th</sup>
- 5) none of the above

Correct Option: 3

-----

Solution: R is the 4<sup>th</sup> person to purchase the item.

=====

Q75. Who among the following is the 2<sup>nd</sup> person to purchase the item?

-----

- 1) P
- 2) R
- 3) D
- 4) B
- 5) S

Correct Option: 3

-----

Solution: D is the 2<sup>nd</sup> person to purchase the item.

Complete Solution: Four persons have purchased between A and C, A being the first person to purchase the item.

Three persons have purchased between A and Q.

A
Q
C

Two persons have purchased between P and Q.



B purchased immediately before P.

A
Q
C
B
P

One person purchases the item between D and R, D has purchased before R.

A
D
R
Q
C
B
P

Only S is left and therefore, the final arrangement becomes:

A
D
S
R
Q
C
B
P

**Directions (Q76 to 79) :** The codes of some statements are coded as follows in a certain code language:

- 'club is near lake' is coded as 'tl wc pd kr'
- 'lake is in view' is coded as 'wc pd jb fg'
- 'boat near the lake' is coded as 'qz tl ct wc'
- 'a boat in lake' is coded as 'xy wc ct fg'

Answer the following questions based on the information given above.

**Q76. What is the code for the word 'boat'?**

-----

- 1) qz
- 2) ct
- 3) wc
- 4) jb
- 5) xy

**Correct Option: 2**

-----

**Solution:** Boat is coded as ct

=====

**Q77. How is the word 'club' coded in the given language?**

-----

- 1) kr
- 2) tl
- 3) wc
- 4) pd
- 5) Can't be determined

**Correct Option: 1**

-----

**Solution:** Club is coded as kr.

=====

**Q78. What is the code of the word 'near'?**

- 
- 1) tl
  - 2) pd
  - 3) qz
  - 4) ct
  - 5) Either (a) or (c)

**Correct Option: 1**

-----

**Solution:** Near is coded as 'tl'.

=====

**Q79. How will the statement 'boat in view' be coded as in the given language?**

- 
- 1) ct jb wc
  - 2) xy pd fg
  - 3) wc jb pd
  - 4) fg ct jb
  - 5) tl pd jb

**Correct Option: 4**

-----

**Solution:** Boat in view will be coded as 'fg ct jb'

**Complete Solution:** 'club is ~~near~~ lake' is coded as '~~tl~~ **wc** pd kr'

'**lake** is in view' is coded as '**wc** pd jb fg'

'boat ~~near~~ the **lake**' is coded as 'qz ~~tl~~ ct **wc**'

'a boat in **lake**' is coded as 'xy **wc** ct fg'

So, we get:

lake == wc

near == tl

is == pd  
club == kr  
view == jb  
in == fg  
boat == ct  
the == qz  
a == xy  
=====

Directions (Q 80 – 81): Study the following information and answer the given questions.

*E is 15m to the South of B. C is 20m to the West of B. D is 25m to the North of C. A is 35m to the West of D. S is 15m to the West of G. G is 20m to the South of A.*

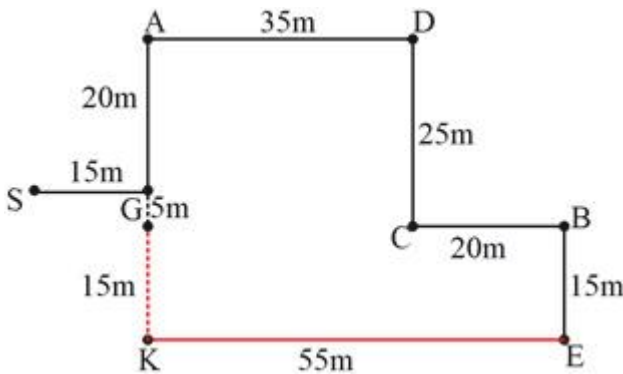
Q80. If K is placed at 55m to the West of E, then what is the distance between K and G?

- 
- 1) 20m
  - 2) 15m
  - 3) 35m
  - 4) 25m
  - 5) None of the above

Correct Option: 1

-----

Solution: CD - AG = 5m



=====

Q81. What is the direction of B with respect to S?

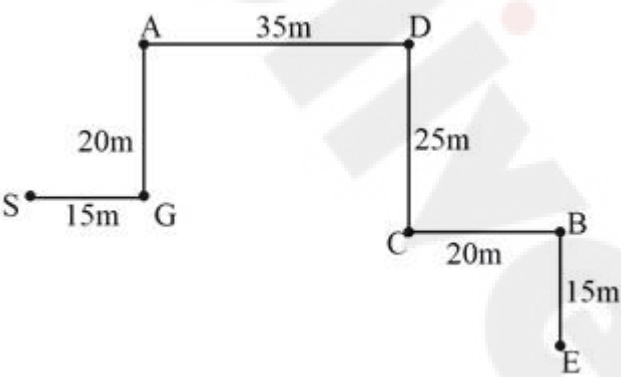
-----

- 1) South
- 2) North-East
- 3) West
- 4) East
- 5) South-East

Correct Option: 5

-----

Solution: B is to the South-East of S.



=====

Panetext ID = 985301

Directions (Q 82 to 86): The following questions are based on the sequence of five three-digit numbers:

578 138 452 645 738

-----

Q82. The first and third digits of each number are exchanged with each other and all the numbers are then arranged in ascending order. Which of the following numbers will be the second highest number after the rearrangement?

-----

- 1) 452
- 2) 738
- 3) 578
- 4) 138
- 5) 645

**Correct Option: 2**

-----

**Solution:** 578 138 452 645 738

After the rearrangement:

875 831 254 546 837

In ascending order:

254 546 831 **837** 875

So, the second highest number after rearrangement is 738

=====

**Q83. In each number, 2 is added to the second digit and then the numbers are arranged in descending order. Which number will be the second lowest number after rearrangement?**

-----

- 1) 645
- 2) 738
- 3) 138
- 4) 452
- 5) 578

**Correct Option: 4**

-----

**Solution:** 578 138 452 645 738

After adding 2:

598 158 472 665 758

In descending order:

758 665 598 **472** 158

So, the second lowest number after rearrangement is 452

=====

**Q84. In which number, the sum of the first and second digits of the number is less than 9?**

-----

- 1) 138
- 2) 452
- 3) 578
- 4) 645
- 5) 738

**Correct Option: 1**

-----

**Solution:** 578 138 452 645 738

Sum of the first and second digits:

12, 4, 9, 10, 10

So, 138 is the number.

=====

**Q85. If 1 is subtracted from each number, then how many of the new numbers will be divisible by 3?**

-----

- 1) None of the numbers
- 2) 578
- 3) 738
- 4) 452
- 5) 645

**Correct Option: 1**

-----

**Solution:** 578 138 452 645 738

Subtracting 1:

577 137 451 644 737

So, none of the numbers will be divisible by 3.

=====

**Q86.** If 1 is added to all the digits in each number, then which of the following digits will be repeated twice in any number?

-----

- 1) None of the given
- 2) 6
- 3) 8
- 4) 7
- 5) 9

**Correct Option: 1**

-----

**Solution:** 578 138 452 645 738

Adding 1:

689 249 563 756 849

So, no digit appears twice.

=====

**Q87.** From the word 'INHERITANCE', the first, third, fifth and eleventh letters are picked and arranged to form a meaningful word. In the meaningful word formed, choose the third letter from the left and if no such number is formed then mark (X) and mark (Y) if more than one meaningful word is formed?

-----

- 1) H
- 2) I
- 3) Y
- 4) X
- 5) E

**Correct Option: 3**



**Solution: I N H E R I T A N C E**

Using these letters, the words that can be formed are HIRE and HEIR.

So, more than one word is formed

So, option (c) is the answer.

=====

**Q88. Study the following information and answer the given question.**

*In the word 'IMPORTED', if all the vowels are replaced by the next letter and the consonants by the previous letter as per the English Alphabetical series, then arrange the letters of the newly formed word in English alphabetical order from the left to the right, then what will be the 5<sup>th</sup> letter from the left?*

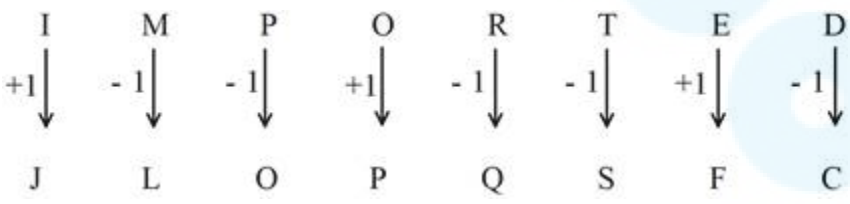
-----

- 1) L
- 2) P
- 3) O
- 4) J
- 5) Q

**Correct Option: 3**

-----

**Solution:**



Arranging the letters in alphabetical order from the left to the right, we have

C      F      J      L      O      P      Q      S

Hence, the 5<sup>th</sup> letter from the left end of the word is O.

=====

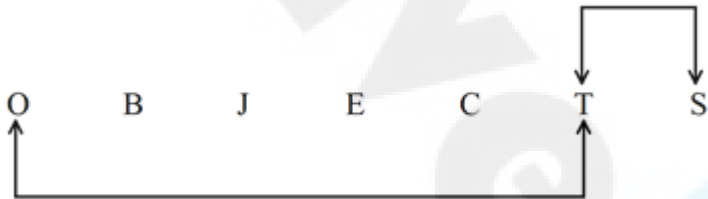
Q89. Study the following information and answer the given question.

*In the word 'OBJECTS', there are how many pair of letters which are in the same order as in the original sequence of English Alphabetical series(in both forward and backward directions)?*

- 
- 1) 1
  - 2) 0
  - 3) 2
  - 4) 3
  - 5) More than 3

**Correct Option: 3**

-----  
**Solution:**



Hence, there are two pair of letters which are in the same order as in the original sequence of English Alphabetical series in both forward and backward directions.

=====

**Q90. In the question below, three statements are given followed by conclusions: I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.**

**Statements:**

- Some fires are cars.
- Some buses are fires.
- All buses are cars.

**Conclusions:**

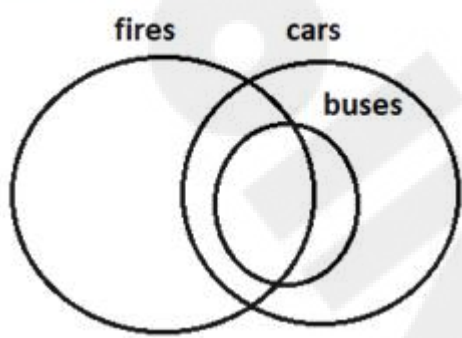
- I. Some cars are definitely not fires.
- II. All fires being buses is a possibility.

-----

- 1) Either I or II follows
- 2) Only II follows
- 3) Neither I nor II follows
- 4) Both I and II follow
- 5) Only I follows

Correct Option: 2

Solution: Some fires are cars. Some buses are fires. All buses are cars.



Some cars are definitely not fires is not true. All fires being buses is a possibility is true. So, only II follows.

Q91. In the question below, three statements are given followed by conclusions: I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

- Only a few stars are cups.
- No cup is a bag.
- No stars are bags.

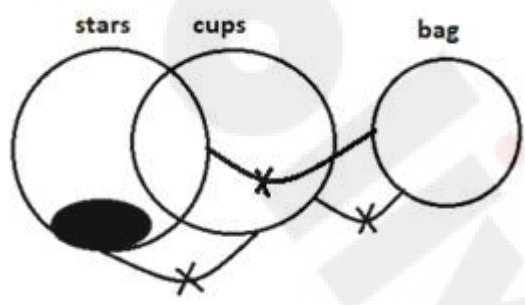
Conclusions:

- I. At least some bags are stars.
- II. All bags can never be stars.

- 1) Only II follows
- 2) Only I follows
- 3) Neither I nor II follows
- 4) Either I or II follows
- 5) Both I and II follow

Correct Option: 1

Solution: Only a few stars are cups. No cup is a bag. No stars are bags.



At least some bags are stars is not true. All bags can never be stars is true. So, only conclusion II follows.

Q92. In the question below, two statements are given followed by conclusions: I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

- Only a few pastries are bananas.
- Only a few apples are bananas.

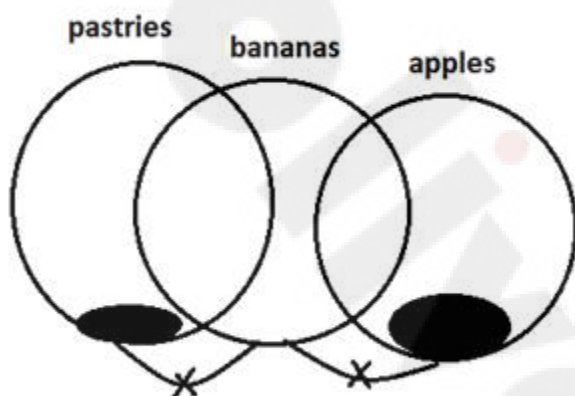
Conclusions:

- I. No apple is pastries.
- II. At least some apples are pastries.

- 1) Both I and II follow
- 2) Either I or II follows
- 3) Neither I nor II follows
- 4) Only II follows
- 5) Only I follows

**Correct Option: 2**

**Solution:** Only a few pastries are bananas. Only a few apples are bananas.



Either no apple is pastries or at least some apples are pastries. So, either of the conclusions follow.

**Q93.** In the question below, a statement is followed by two conclusions based on the statement. Study the conclusions and select the correct option as the answer.

**Statement:**  $G > E \leq F \geq B$

**Conclusions:**

- I.  $G = B$
- II.  $B > G$

- 1) Only I follows
- 2) Either I or II follows
- 3) Both I and II follow
- 4) Neither I nor II follows
- 5) Only II follows

**Correct Option: 4**

**Solution:**  $G > E \leq F \geq B$

So, relationship can't be established.

So, none of the conclusions follow.

=====

**Q94.** In the question below, a statement is followed by two conclusions based on the statement. Study the conclusions and select the correct option as the answer.

**Statement:**  $P < Q > R > S$

**Conclusions:**

- I.  $P \geq S$
- II.  $S > P$

-----

- 1) Either I or II follows
- 2) Both I and II follow
- 3) Neither I nor II follows
- 4) Only II follows
- 5) Only I follows

**Correct Option: 1**

-----

**Solution:**  $P < Q > R > S$

So, either  $P \geq S$  or  $S > P$ .

So, either of the given follows

=====

**Q95.** In the question below, a statement is followed by two conclusions based on the statement. Study the conclusions and select the correct option as the answer.

**Statement:**  $S \geq T < U > P$

**Conclusions:**

- I.  $S > P$
- II.  $U < S$

- 1) Only II follows
- 2) Neither I nor II follows
- 3) Both I and II follow
- 4) Only I follows
- 5) Either I or II follows

**Correct Option: 2**

-----

**Solution:**  $S \geq T < U > P$

So, relationship between S and P or between U and S can't be determined.

Hence, neither I nor II follows.

=====

**Directions (Q 96 to 100):** *Eight persons A, B, C, D, E, F, G and H work in a bank such that their designations (not necessarily in the same order) in increasing order are as follows: Clerk, Probationary Officer (PO), Assistant Manager (AM), Manager, Assistant General Manager (AGM), General Manager (GM), Chief Financial Officer (CFO) and Chairman. The number of designations in between A and C is more than four. C has a higher designation than A but he is not the CFO. The designation of F is immediately below that of C. There is one designation in between G and A. As many designations are above C as many designations are below D. B has a higher designation than E. More than one person have designations in between B and E.*

**Q96. Who is the AGM?**

-----

- 1) G
- 2) E
- 3) H
- 4) Either G or H
- 5) B

**Correct Option: 3**

-----

**Solution:** H is the AGM.

**Q97. How many persons have designations below E?**

-----

- 1) One
- 2) More than four
- 3) Three
- 4) Four
- 5) Two

**Correct Option: 5**

-----

**Solution:** Two persons have designations below E.

=====

**Q98. Which person is in the immediate higher designation than G?**

-----

- 1) The Manager
- 2) The AGM
- 3) The CFO
- 4) The AM
- 5) The PO

**Correct Option: 2**

-----

**Solution:** The AGM is in the immediate higher designation than G.

=====

**Q99. What is the designation of B?**

-----

- 1) PO
- 2) AM
- 3) GM
- 4) AGM
- 5) CFO

**Correct Option: 3**



**Solution:** B is the GM.

=====

**Q100.** Four of the following five are alike in a certain way based on their designations. Find the odd one out.

-----

- 1) F, AM
- 2) B, Manager
- 3) C, GM
- 4) E, Clerk
- 5) G, PO

**Correct Option: 1** ([Solve Entire Reasoning section again as a mock test here](#))

-----

**Solution:** There is one designation in between the given person and the person having given designation except for option (a). So, F, AM is the odd one out.

**Complete Solution:** The number of designations in between A and C is more than four. C has a higher designation than A but he is not the CFO. The designation of F is immediately below that of C.

Designation	Case 1	case 2
Chairman	C	C
CFO	F	F
GM		
AGM		
Manager		
AM		
PO	A	
Clerk		A

There is one designation in between G and A. As many designations are above C as many designations are below D. So, case 2 is invalid.

Designation	Case 1
Chairman	C

CFO	F
GM	
AGM	
Manager	G
AM	
PO	A
Clerk	D

B has a higher designation than E. More than one person have designations in between B and E.

Designation	Case 1
Chairman	C
CFO	F
GM	B
AGM	H
Manager	G
AM	E
PO	A
Clerk	D

=====

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