

## All India Maha Mock : NPS Trust Officer Exam 2021 – Solutions

### S1. Ans.(d)

**Sol.** From the paragraph and the lines *“Usually, a delayed monsoon or a drought, combined with compelling images of parched lands and queues for water in urban areas raise an alarm in the minds of the public. Similarly, episodes of inter-State river water disputes catch public attention. However, this time, it was somewhat different. Videos and news reports claiming that Indian cities are running out of groundwater went viral.”* We can infer the statements (I) and (II). Whereas the statement (III) is nowhere mentioned. Hence, Option (d) is correct answer choice.

### S2. Ans.(b)

**Sol.** As per the line in the third paragraph *“Her perseverance led to an eventual conclusion that there was no sure evidence for this assessment”* option (b) is correct answer choice.

### S3. Ans.(b)

**Sol.** The statements (I) and (II) are false as per the lines *“To be fair to Niti Aayog, its projection was only a means to an end goal: leveraging some action from the Indian States. The report’s central goal was to propose a tool, an index, to monitor the States’ water resource management strategies and provide the necessary course-shift, beyond supply augmentation approaches”* of the fourth paragraph. And statement (III) is correct as per the lines of the paragraph third *“the Niti Aayog report, especially the piece of information that said: “21 major cities are expected to run out of groundwater as soon as 2020, affecting [nearly] 100 million people.””*. Hence, option (b) is correct answer choice.

### S4. Ans.(a)

**Sol.** The phrase **“lost some of its sheen”** means decrease in the amount or craze of something. So, option (a) depicts the exact meaning of the phrase as used in the passage. Hence, option (a) is correct answer choice.

### S5. Ans.(b)

**Sol.** The words *“approaches”* and *“engage”* need to be interchanged. As with ‘to’ plurals are never used. Other words are in their correct positions. Hence, option (b) is correct answer choice.

### S6. Ans.(c)

**Sol.** The meaning of the given word **“prevalent”** is *“widespread in a particular area or at a particular time.”* **“Widespread”** is the synonym of the given word meaning *“seeming to be everywhere”*. Hence, option (c) is correct answer choice.

Spruce: tidy and clean in appearance

Perilous: extremely dangerous



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**S7. Ans.(a)**

**Sol.** Only statement (a) is correct as per the given passage. Other statements are either incorrect or not mentioned in the passage. Hence, option (a) is correct answer choice.

**S8. Ans.(b)**

**Sol.** The line given in the paragraph one *“The Finance Minister’s recent order barring credentialed reporters from the Ministry’s premises is a case in point but this is not an isolated measure”* shows that the current government is trying to restrict the current government. Hence, option (b) is correct answer choice.

**S9. Ans.(d)**

**Sol.** The last lines of the paragraph 1 *“expression of concern by foreign countries or global bodies regarding human rights, religious violence or media freedom is routinely dismissed as external interference in India’s sovereignty”* proves only the option (d) as the correct reason. Hence, option (d) is correct answer choice.

**S10. Ans.(a)**

**Sol.** From the last line of the paragraph second *“That is not so much for the inflow of investment or luring global corporations, which may care little about a destination-country’s democratic credentials – but for India’s well-being.”* Option (c) is false and (a) is true. Hence, option (a) is correct answer choice.

**S11. Ans.(d)**

**Sol.** The error lies in the fourth sentence. *“Sale”* should be replaced with *“sales”*. As ‘sale’ is a countable noun and along with ‘all’ countable nouns should take ‘plural’ form. All other sentences are grammatically and contextually correct. Hence, option (d) is correct answer

**S12. Ans.(c)**

**Sol.** The error lies in the third sentence. In place of ‘its’ ‘their’ should be used as the subject ‘governments’ is plural and along with them plural possessive should be used. All other sentences are grammatically and contextually correct. Hence, option (c) is correct answer choice.

**S13. Ans.(b)**

**Sol.** The error lies in the second sentence. The subject of the sentence is *“Knowledge”* so ‘is’ should be used in the place of ‘are’. All other sentences are grammatically and contextually correct. Hence, option (b) is correct answer choice.

**S14. Ans.(e)**

**Sol.** All the given sentences are grammatically and contextually correct. Hence, option (e) is correct answer choice.

**S15. Ans.(a)**

**Sol.** The error lies in the first sentence. 'Begin to lick' should be used instead of 'begin lick' as 'begin to do something' is always used. All other sentences are grammatically and contextually correct. Hence, option (a) is correct answer choice.

**S16. Ans.(a)**

**Sol.** The meaning of the phrase is "something will surely happen". Among the given statements, only the sentence in (I) expresses the meaning which complies with the meaning of the idiom and at the same time makes sure that the actual meaning of the sentence remains intact. Statements (II) and (III) are irrelevant as they completely change the meaning of the sentence. Hence (a) is the correct option.

**S17. Ans.(d)**

**Sol.** The phrase "Null and void" means *something has been Canceled, or is invalid*. Among the given statements, both the sentences (I) and (III) express the meaning which complies with the meaning of the idiom and at the same time they make sure that the actual meaning of the sentence remains intact. Statement (II) is irrelevant as it completely changes the meaning of the sentence. Hence (d) is the correct option.

**S18. Ans.(e)**

**Sol.** The phrase "Vanish into the air" means *to disappear suddenly and completely*. All the given statements precisely articulate the meaning of the given idiom without altering the context of the sentence. Hence, option (e) is the most suitable answer choice.

**S19. Ans.(c)**

**Sol.** The phrase "rags to riches" means "to be poor in the beginning but then becoming successful and rich". Among the given statements, both the sentences (I) and (III) express the meaning which complies with the meaning of the idiom and at the same time they make sure that the actual meaning of the sentence remains intact. Statement (II) is irrelevant as it completely changes the meaning of the sentence. Hence (c) is the correct option.

**S20. Ans.(d)**

**Sol.** The phrase "with a high hand" means *with arrogance; in an arbitrary or dictatorial manner*. Among the given statements, both the sentences (II) and (III) express the meaning which complies with the meaning of the idiom and at the same time they make sure that the actual meaning of the sentence remains intact. Statement (I) is irrelevant as it completely changes the meaning of the sentence. Hence (d) is the correct option

**S21. Ans.(b)**

**Sol.** The use of word "future" with "been" as an adjective should be used on the place of noun. So, (2) and (4) should be interchanged with one another to form a grammatically and contextually correct sentence. Other words are correct in their respective positions. Hence, option (b) is correct answer choice.

**S22. Ans.(a)**

**Sol.** As per the rules of grammar, with the article 'an' a vowel should be used and with 'a' consonant should be used. Hence, (1) and (4) should be swapped to form a grammatically and contextually correct sentence. Hence, option (a) is correct answer choice.

**S23. Ans.(c)**

**Sol.** With 'has' a verb should be used. So, (1) and (2) should be swapped. Moreover, with 'status' 'under' should be used. Hence, (3) and (4) should also be interchanged to form grammatically and contextually correct sentence. Hence, option (c) is correct answer choice.

**S24. Ans.(d)**

**Sol.** The "thumb rule" is a phrase which means "a principle with broad application that is not intended to be strictly accurate or reliable for every situation." So, (1) and (4) should be swapped. And a singular noun should be used in (3) because of the article 'a'. So, (2) and (3) should also be swapped. Hence, option (d) is correct answer choice.

**S25. Ans.(e)**

**Sol.** All the given words are in their correct position. So, no changes are required. Hence, option (e) is correct answer choice.

**S26. Ans.(d)**

**Sol.** "Serious" means "a severe in effect; bad". Use of word "serious" makes the sentence contextually and grammatically correct. Other words are irrelevant as per the context of the passage. Therefore, (d) is correct answer choice.

**Consequence:** a result of a particular action or situation, often one that is bad or not convenient

**Illegible:** not clear enough to be read.

**S27. Ans.(c)**

**Sol.** Use of 'pollution' which is a noun with 'is' incorrect. 'Starting' should be swapped with 'pollution.' Therefore, by interchanging the words "starting" and "pollution" in their respective positions, the sentence would become grammatically correct and contextually meaningful. The other highlighted words are accurate in their positions. Hence, option (c) is the most suitable answer choice.

**S28. Ans.(b)**

**Sol.** The lines containing (C) is discussing about the article in which the writers have discussed about the plastic industry. Thus, Option (b) is the correct choice and precisely fits in the context of the passage. Hence, it becomes the most suitable answer choice.

**S29. Ans.(c)**

**Sol. Termination:** the act of ending something or the end of something.

**Retain:** to keep or continue to have something.

**Utterances:** something that someone says.

So, option (c) is correct answer choice.

**S30. Ans.(c)**

**Sol.** The word “**insight**” means “*the capacity to gain an accurate and deep understanding of someone or something*”.

**Comprehension:** the ability to understand something.

**Cognizance:** knowledge or awareness.

**Abrupt:** sudden and unexpected.

Thus, most similar words to “**insight**” are “comprehension” and “cognizance”. Hence, option (c) is correct answer choice.

**S31. Ans.(c)**

**Sol.** There is an error in the third part of given sentence. “Achieve” should be used in 2<sup>nd</sup> form of verb as with ‘is’ V<sup>2</sup> is always used. Hence, option (c) is the most suitable answer choice.

**S32. Ans.(b)**

**Sol.** The given line discusses about the profit generated from the recycling and reuse of plastics. Option (b) suggests that the profit is about 2/3<sup>rd</sup> of profit pool growth. Other options are irrelevant as per the given passage. Hence, option (b) is the most suitable answer choice.

**S33. Ans.(b)**

**Sol.** The statement (H) can be made grammatically correct and contextually meaningful by interchanging the positions of “outline” and “extension” with each other. Hence, option (b) is the most suitable answer choice.

**S34. Ans.(c)**

**Sol.** From the given options use of (b) and (d) is out of question as their use would be grammatically incorrect. Using (a) would form a contextually incorrect sentence. Hence, option (c) becomes the most suitable answer choice.

**S35. Ans.(e)**

**Sol.** There is no error in the given sentence. Hence, option (e) is the most suitable answer choice.

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**S36. Ans.(d)**

**Sol.** Going through the sentences given, we can infer that the paragraph will be about civil aviation in the states. Clearly options (A), (D) and (E) can't be the first sentence. Now, (C), (F) and (B) can be the first sentence. Choosing (C) as first sentence is correct as further sentences would add meaning to this statement. Then (C) will be followed by (D) as (C) discusses that civil aviation has not got much significance in the state government and then gives the evidence of (C) statement. (A) further adds information to (D), so (A) becomes third sentence. Then, (E) can be the fourth sentence as it discusses the situation discussed in the paragraph till now is changing. And option (F) tells us how the situation is changing. (B) gives an example of a scheme that helped in changing the situation. So the arrangement will be CDAEFB. Hence option (d) is correct answer choice.

**S37. Ans.(b)**

**Sol.** Going through the sentences given, we can infer that the paragraph will be about civil aviation in the states. Clearly options (A), (D) and (E) can't be the first sentence. Now, (C), (F) and (B) can be the first sentence. Choosing (C) as first sentence is correct as further sentences would add meaning to this statement. Then (C) will be followed by (D) as (C) discusses that civil aviation has not got much significance in the state government and then gives the evidence of (C) statement. (A) further adds information to (D), so (A) becomes third sentence. Then, (E) can be the fourth sentence as it discusses the situation discussed in the paragraph till now is changing. And option (F) tells us how the situation is changing. (B) gives an example of a scheme that helped in changing the situation. So the arrangement will be CDAEFB. Hence option (b) is correct answer choice.

**S38. Ans.(c)**

**Sol.** Going through the sentences given, we can infer that the paragraph will be about civil aviation in the states. Clearly options (A), (D) and (E) can't be the first sentence. Now, (C), (F) and (B) can be the first sentence. Choosing (C) as first sentence is correct as further sentences would add meaning to this statement. Then (C) will be followed by (D) as (C) discusses that civil aviation has not got much significance in the state government and then gives the evidence of (C) statement. (A) further adds information to (D), so (A) becomes third sentence. Then, (E) can be the fourth sentence as it discusses the situation discussed in the paragraph till now is changing. And option (F) tells us how the situation is changing. (B) gives an example of a scheme that helped in changing the situation. So the arrangement will be CDAEFB. Hence option (c) is correct answer choice.

**S39. Ans.(b)**

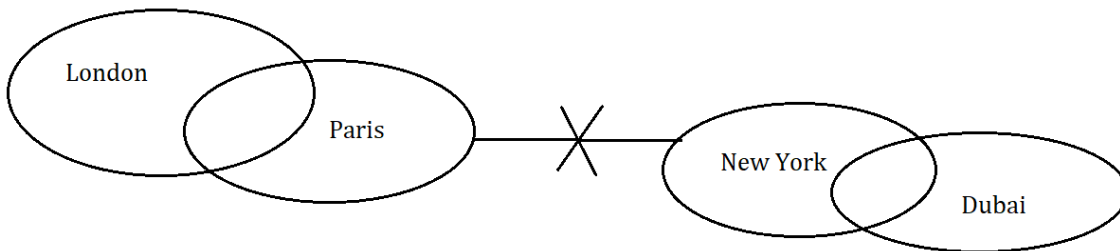
**Sol.** Going through the sentences given, we can infer that the paragraph will be about civil aviation in the states. Clearly options (A), (D) and (E) can't be the first sentence. Now, (C), (F) and (B) can be the first sentence. Choosing (C) as first sentence is correct as further sentences would add meaning to this statement. Then (C) will be followed by (D) as (C) discusses that civil aviation has not got much significance in the state government and then gives the evidence of (C) statement. (A) further adds information to (D), so (A) becomes third sentence. Then, (E) can be the fourth sentence as it discusses the situation discussed in the paragraph till now is changing. And option (F) tells us how the situation is changing. (B) gives an example of a scheme that helped in changing the situation. So the arrangement will be CDAEFB. Hence option (b) is correct answer choice.

**S40. Ans.(a)**

**Sol.** Going through the sentences given, we can infer that the paragraph will be about civil aviation in the states. Clearly options (A), (D) and (E) can't be the first sentence. Now, (C), (F) and (B) can be the first sentence. Choosing (C) as first sentence is correct as further sentences would add meaning to this statement. Then (C) will be followed by (D) as (C) discusses that civil aviation has not got much significance in the state government and then gives the evidence of (C) statement. (A) further adds information to (D), so (A) becomes third sentence. Then, (E) can be the fourth sentence as it discusses the situation discussed in the paragraph till now is changing. And option (F) tells us how the situation is changing. (B) gives an example of a scheme that helped in changing the situation. So the arrangement will be CDAEFB. Hence option (a) is correct answer choice.

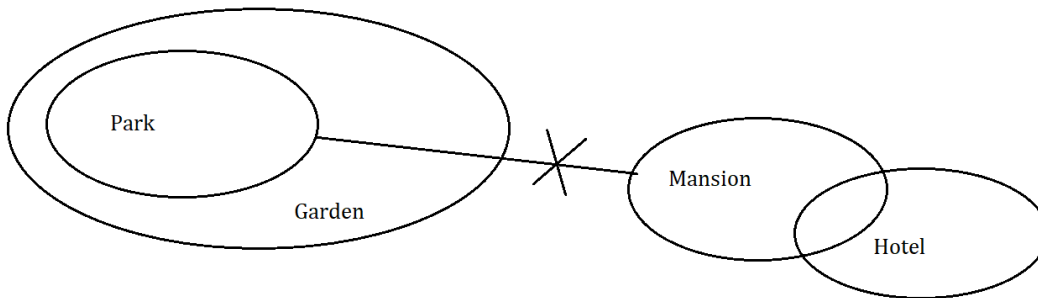
**S41. Ans.(d)**

**Sol.** From the venn diagram it is clear, All London can be New York does not follow.



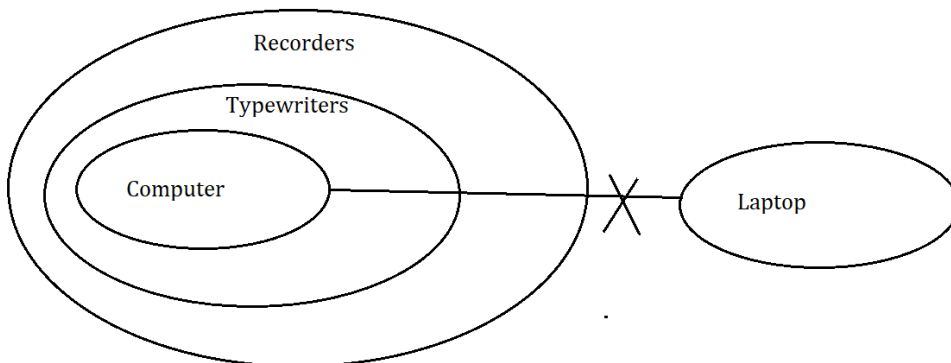
**S42. Ans.(c)**

**Sol.** No park is mansion. Some hotel is mansion. So, all hotel can be park does not follow.

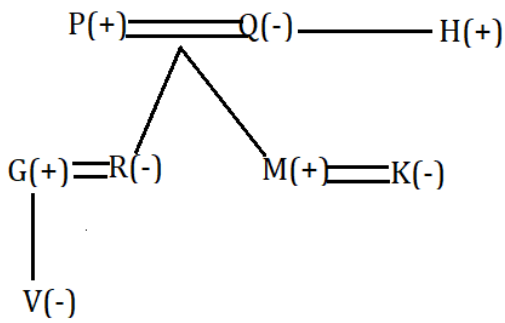


**S43. Ans.(e)**

**Sol.** From the venn diagram it is clear All type writers can be Laptop does not follow.



**Solutions (44-46):**



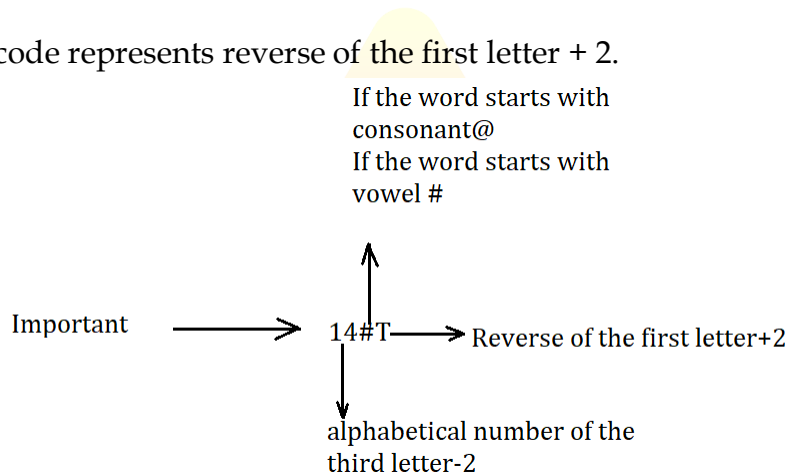
**S44. Ans.(b)**

**S45. Ans.(c)**

**S46. Ans.(b)**

**Solutions (47-50):**

- (i) First digit of the code represents alphabetical number of the third letter (from the left end) - 2.
- (ii) Second digit of the code represents @ when the word starts with a consonant and # when the word starts with a vowel.
- (iii) Third digit of the code represents reverse of the first letter + 2.



**S47. Ans.(d)**

**S48. Ans.(c)**

**S49. Ans.(c)**

**S50. Ans.(d)**

**S51. Ans.(a)**

**Sol.**

I N V E S T M E N T  
J M U F R S L F M S

FFJLMMRSSU

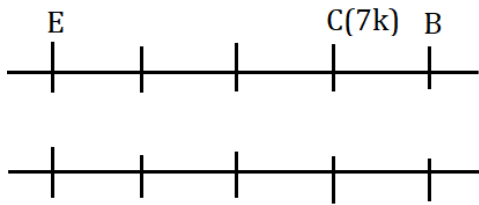
repeated words  
are eliminated

FJLMRSU

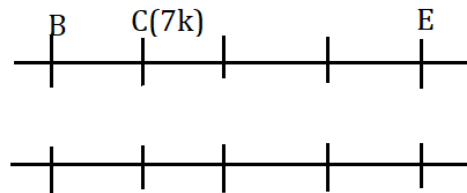
F J L M R S U  
□ □ □ □ □ □



**Solutions (52-56):** There are two persons sitting between E and C whose salary is second lowest means C is getting 7k. B who is not an immediate neighbor of E is sitting at one of the extreme ends of the line. So, there are two cases:

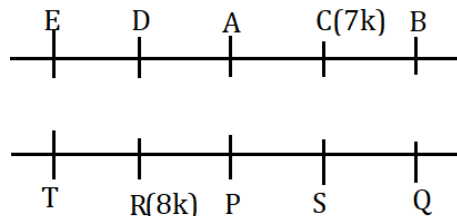


case-1

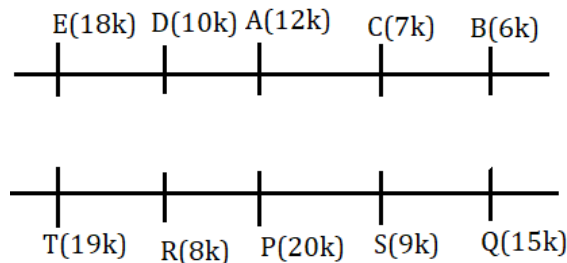


case-2

Q is sitting second to the right of P and is not facing either E or C. T who is not facing B and is not getting the highest salary is second to the left of P. So case-2 is eliminated. S who is getting 1k lesser than the salary of D is not an immediate neighbor of T and is not getting 19k. A is not facing R and do not earn the highest salary. R is getting a salary of 8k. So the sitting arrangement is:



R is facing the person whose salary is a multiple of 5. S is getting 1k lesser than the salary of D but not 19k means D is getting 10k and S is getting 9k. Salary of A is double the salary of B but not 18k means A is getting 12k and B is getting 6k. Q is getting salary more than S and less than E who is not getting the second highest salary. Difference between the salaries of Q and P is 5k means Q is getting 15k and P is getting 20k. E is getting 18k and T is getting 19k. Final arrangement:



S52. Ans.(a)

S53. Ans.(c)

S54. Ans.(d)

S55. Ans.(e)

S56. Ans.(d)

**Solutions (57-61):** T is not going for a holiday after Wednesday. Two persons are going for a holiday between T and Z. Three persons are going for a holiday between Cashier and Clerk who is not going for holiday on Monday. PO who is not an immediate neighbor of either Cashier or Clerk is going for holiday immediately before Z. So, we have two cases:

Case-1			Case-2		
Days	Persons	Posts	Days	Persons	Posts
Monday	T	Cashier	Monday		
Tuesday			Tuesday	T	Clerk/Cashier
Wednesday		PO	Wednesday		
Thursday	Z		Thursday		PO
Friday		Clerk	Friday	Z	
Saturday			Saturday		Clerk/Cashier

No one is going for a holiday between SO and F who is a Cashier. So case-1 is cancelled. The Manager is not going for a holiday on Monday. L is neither PO nor Manager. R is not the Manager. So the final arrangement is:

Days	Persons	Posts
Monday	L	Assistant manager
Tuesday	T	Clerk
Wednesday	G	Manager
Thursday	R	PO
Friday	Z	SO
Saturday	F	Cashier

S57. Ans.(e)

S58. Ans.(a)

S59. Ans.(e)

S60. Ans.(e)

S61. Ans.(c)

**Solutions (62-66):**

S62. Ans.(a)

S63. Ans.(c)

S64. Ans.(c)

S65. Ans.(e)

S66. Ans.(d)

S67. Ans.(e)

**Sol.** More than one words are formed using P, L, A, N, E: Plane, Panel, Penal etc.

**Solutions (68-72):** Two persons were born between the one who like Computer and the one who like English. The one who like Computer was not born on even numbered date. The one who like Computer was not born in a month having 30 days. No one was born before the one who like Hindi. So, we have two cases:

Months	Days	Case-1	Case-2
January	12	(Hindi)	(Hindi)
January	21	(Computer)	
March	12		
March	21		(Computer)
April	12	(English)	
April	21		
June	12		(English)
June	21		

G who likes History was not born either in March or April. The one who like Mathematics was born immediately before G but not on 21st. So, case-2 is eliminated. D was not born before E and does not like Hindi and Computer. A who was born immediately after D does not like English, computer and Mathematics. So, case-1 again has two cases:

Months	Days	Case-1a	Case-1b
January	12	(Hindi)	(Hindi)
January	21	(Computer)	(Computer)
March	12	D	
March	21	A	
April	12	(English)	D-(English)
April	21		A
June	12	(Mathematics)	(Mathematics)
June	21	G-(History)	G-(History)

E who does not like Hindi and Computer was born on an odd numbered date. D was not born before E. Now, case-1a is eliminated means E was born on March 21st. The one who like Physics was not born before the one who like English. H was not born in a month having 31 Days means H was born on 12th June. B who was not born in January and April does not like Biology. F does not like computer. So, the final arrangement:

Months	Days	Person-Subject
January	12	F-(Hindi)
January	21	C-(Computer)
March	12	B-(Chemistry)
March	21	E-(Biology)
April	12	D-(English)
April	21	A-(Physics)
June	12	H-(Mathematics)
June	21	G-(History)

S68. Ans.(b)

S69. Ans.(d)

S70. Ans.(b)

S71. Ans.(d)

S72. Ans.(a)

S73. Ans.(d)

**Sol.** For I- This statement negates the given statement as it states that the value of illegal notes entering India from Bangladesh seems to have come down whereas the given statement states that Bangladesh replaces Pakistan as hub of fake Indian currency.

For II- This statement supports the given statement as it states that Bangladesh is producing and smuggling fake notes.

For III- This statement does not negate the given statement as it gives the additional information on this issue.

S74. Ans.(d)

**Sol.** In the above question we have to find which statement supports the given statement.

For I- This statement supports the given statement as it states the issue of lynchings and politics of polarisation are dangerous.

For II- This statement neither negates nor supports the given statement as it gives the additional information of him highlighting his congress party's achievements when it was in power.

For III- This statement also supports the given statement as it describes the negative consequences of Modi government's Demonetisation and implementation of the goods and services tax (GST) on the growth of the country which is also mentioned that he criticised the Modi government over its economic policies.

**Solutions (75-79):** There are as many boxes kept above T as below R who contains 33 pens. Two boxes are kept between the boxes which have 21 and 50 pens. Box which contains 25 pens is kept immediate above V and immediate below U. Only three boxes are kept between W and the box which contains 20 pens.

Position of box	Box	No. of pens
9 <sup>th</sup>		50
8 <sup>th</sup>	T	
7 <sup>th</sup>	W	
6 <sup>th</sup>		21
5 <sup>th</sup>	U	
4 <sup>th</sup>		25
3 <sup>rd</sup>	V	20
2 <sup>nd</sup>	R	33
1 <sup>st</sup>		

There are as many boxes are between P and the box which contains 45 pens as between P and Q. Box which contains 64 pens is kept below X and above S. Box which have 42 pens is kept above the box which have 30 pens. So, the final arrangement will be: -

Position of box	Box	No. of pens
9 <sup>th</sup>	X	50
8 <sup>th</sup>	T	45
7 <sup>th</sup>	W	64
6 <sup>th</sup>	P	21
5 <sup>th</sup>	U	42
4 <sup>th</sup>	Q	25
3 <sup>rd</sup>	V	20
2 <sup>nd</sup>	R	33
1 <sup>st</sup>	S	30

S75. Ans.(b)

S76. Ans.(b)

S77. Ans.(c)

S78. Ans.(e)

S79. Ans.(c)

S80. Ans.(b)

**Sol.** For I-This statement is in-line with the given statement as it states about appeal made by security forces to the militants to surrender which is also mentioned in the given statement.

For II- This statement is not-in-line with the given statement as it states about the book which is based on the surgical strikes in Pakistan occupied Kashmir.

For III- This statement is in-line with the given statement as it states that the security forces will help the militants if they surrender which is also mentioned in the given statement that surrender and join mainstream for safe future.

S81. Ans.(e)

**Sol.** US-based Electric car maker, Tesla has incorporated a fully owned subsidiary in Bengaluru as a first step to set up an R&D unit and a manufacturing plant for its electric vehicles in the country.

S82. Ans.(c)

**Sol.** Japarov was elected as President of Kyrgyzstan.

S83. Ans.(c)

**Sol.** The som is the currency of the Kyrgyz Republic.

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**S84. Ans.(d)**

**Sol.** The Baisipalli Wildlife Sanctuary is located in Nayagr, Odisha.

**S85. Ans.(e)**

**Sol.** Multilateral Investment Guarantee Agency (MIGA) is a member of the World Bank Group and is headquartered in Washington, D.C.

**S86. Ans.(b)**

**Sol.** An asset that has remained a non-performing asset for a period exceeding 12 months is known as a doubtful asset.

**S87. Ans.(d)**

**Sol.** Business Wire India FSS (Financial Software and Systems), a leading global payment processor and provider of integrated payment products, today announced partnering with India Post Payments Bank (IPPB) to promote financial inclusion among underserved and unbanked segments.

**S88. Ans.(e)**

**Sol.** Defence Minister Rajnath Singh unveiled the country's first indigenously designed and developed Driverless Metro Car at the BEML manufacturing facility in Bengaluru.

**S89. Ans.(d)**

**Sol.** The two day 'Prarambh', Startup India International Summit begin in New Delhi, with members of BIMSTEC (Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation) countries.

**S90. Ans.(d)**

**Sol.** PMKVY 3.0 envisages training of eight lakh candidates over the scheme period of 2020-2021, with an outlay of ₹948.90 crore.

**S91. Ans.(b)**

**Sol.** Masala bonds are rupee denominated overseas bonds. Masala bonds will help to internationalize the Indian rupee and also deepen the Indian financial system.

**S92. Ans.(d)**

**Sol.** The Koyna Dam is one of the largest dams in Maharashtra, India. It is a rubble-concrete dam constructed on Koyna River which rises in Mahabaleshwar, a hill station in Sahyadri ranges.

**S93. Ans.(c)**

**Sol.** Kiran Mazumdar-Shaw selected as one of US-India Business Council's vice-chair.

**S94. Ans.(a)**

**Sol.** The Sheikh Zayed Stadium is a cricket ground located in Abu Dhabi, United Arab Emirates.

**S95. Ans.(b)**

**Sol.** The Ministry of Petroleum and Natural Gas has launched a month-long mass awareness campaign titled 'SAKSHAM' to spread awareness about green and clean energy.

**S96. Ans.(c)**

**Sol.** Oudh Commercial Bank was established in 1881 in Faizabad.

At the time, it was the first commercial bank in India having limited liability and an entirely Indian board of directors.

**S97. Ans.(c)**

**Sol.** Reverse repo rate is the rate at which Reserve Bank of India borrows money from commercial banks. It is a monetary policy instrument used to control the supply of money in the economy.

**S98. Ans.(c)**

**Sol.** Yes Bank has announced its partnership with Aditya Birla Wellness Private Limited to launch the 'YES BANK Wellness' and 'YES BANK Wellness Plus' Credit Cards – aimed at the holistic health, self-care and wellness of consumers.

**S99. Ans.(d)**

**Sol.** Nazhat Shameem Khan has served as the Permanent Representative of Fiji to the United Nations Office at Geneva since 2014. Ms. Khan was elected to the 2021 presidency of the Human Rights Council on 15 January 2021.

**S100. Ans.(d)**

**Sol.** ICICI Bank, a leading Indian private sector bank, and Niyo, a new age fintech company announced a tie-up to issue prepaid cards to Micro, Small and Medium Enterprises (MSMEs) workers.

**S101. Ans.(c)**

**Sol.** Cuba officially the Republic of Cuba is a country comprising the island of Cuba as well as Isla de la Juventud and several minor archipelagos. Havana is the largest city and capital. The currency is Peso.

**S102. Ans.(a)**

**Sol.** The United Nations General Assembly declared May 3 to be World Press Freedom Day.

**S103. Ans.(d)**

**Sol.** Effective revenue deficit is estimated by subtracting the amount of grants for capital creation from the revenue deficit. So Effective revenue deficit = Revenue deficit – grants for capital creation.

**S104. Ans.(d)**

**Sol.** Galloping inflation is also known as Hyper Inflation or jumping inflation.

**S105. Ans.(d)**

**Sol.** Jüri Ratas resigned as prime minister of Estonia and head of the Centre Party amid allegations of corruption against his party.

**S106. Ans.(a)**

**Sol.** Kolkata is the capital city of West Bengal is situated on the bank of Hooghly River.

**S107. Ans.(b)**

**Sol.** The term "forged cheque" is often used to describe a cheque on which the drawer's signature is forged or unauthorized.

**S108. Ans.(c)**

**Sol.** Italian cinematographer Vittorio Storaro to be honoured with the prestigious Lifetime Achievement award at IFFI.

**S109. Ans.(e)**

**Sol.** The report titled Working from home: From invisibility to decent work released by ILO.

**S110. Ans.(e)**

**Sol.** The Chief Minister of Bihar Nitish Kumar has inaugurated the first-ever bird festival of the state, 'Kalrav', at Nagi-Nakti bird sanctuary, located in Jamui district.

**S111. Ans.(d)**

**Sol.** The Asian Development Bank (ADB) and the European Investment Bank (EIB) signed an agreement for a new partnership to support clean and sustainable ocean initiatives in the Asia-Pacific region, and ultimately to contribute to achieving the Sustainable Development Goals and the climate goals of the Paris Agreement.

**S112. Ans.(a)**

**Sol.** The Canara Bank is headquartered in Bangalore, Karnataka.

**S113. Ans.(d)**

**Sol.** A Certificate of Deposit is a certificate issued by a bank to a person depositing money for a specified length of time at a specified rate of interest.

**S114. Ans.(d)**

**Sol.** A fascinating new museum is coming to fruition in Kerala's Alappuzha, dedicated to the Labour Movement.

**S115. Ans.(c)**

**Sol.** Padma Award winning Renowned Oncologist Dr V Shanta passes away.



**S116. Ans.(a)**

**Sol.** The board of directors of RBL Bank, approved the re-appointment of Vishwavir Ahuja as the Managing Director and CEO of the bank for three years.

**S117. Ans.(c)**

**Sol.** Audrey Truschke authored the book "The Language of History: Sanskrit Narratives of Muslim Pasts"

**S118. Ans.(c)**

**Sol.** Only one mixed-criteria site in India is Khangchendzonga National Park, Sikkim. A "mixed site" contains elements of both natural and cultural significance.

**S119. Ans.(a)**

**Sol.** The Union Budget of India, also referred to as the Annual financial statement in the Article 112 of the Constitution of India is presented in Lok Sabha.

**S120. Ans.(e)**

**Sol.** It's the SBI bank which has the tagline "The Bankers to Every Indian".

**S121. Ans.(c)**

**Sol.** Manipulation of data in computer is called processing.

**S122. Ans.(c)**

**Sol.** Analytical engine was developed by Charles Babbage.

**S123. Ans.(d)**

**Sol.** Control key is a modifier key which performs a special operation.

**S124. Ans.(a)**

**Sol.** Pascal is an efficient language intended to encourage good programming practices using structured programming and data structuring.

**S125. Ans.(c)**

**Sol.** byte is an eight digit binary number.

**S126. Ans.(d)**

**Sol.** Debugging is the process of finding and resolving of defects or problem within the program that prevent correct operation of computer software or a system.

**S127. Ans.(d)**

**Sol.** Assembly language is used to translate a program written in assembly language.

**S128. Ans.(c)**

**Sol.** Operating system provides an interface between the computer hardware and software. A computer cannot boot if operating system is missing.

**S129. Ans.(d)**

**Sol.** USB (Universal Serial Bus) is the most popular connection used to connect a computer to devices such as digital cameras, printers, scanners, and external hard drives. USB is a cross-platform technology that is supported by most of the major operating systems.

**S130. Ans.(b)**

**Sol.** Fifth generation computers are in developmental stage which is based on the artificial intelligence.

**S131. Ans.(c)**

**Sol.** Ctrl + Alt + Del is used to restart computer.

**S132. Ans.(a)**

**Sol.** Non impact printer is a printer that prints without banging a ribbon onto paper. Laser, LED, inkjet, solid ink, thermal wax transfer and dye sublimation printers are examples of non-impact printers.

**S133. Ans.(a)**

**Sol.** A workstation is a special computer designed for technical or scientific applications. Intended primarily to be used by one person at a time, they are commonly connected to a local area network and run multi-user operating systems.

**S134. Ans.(a)**

**S135. Ans.(d)**

**S136. Ans.(c)**

**Sol.** Voice or speech recognition is the ability of a machine or program to receive and interpret dictation, or to understand and carry out spoken commands.

**S137. Ans.(c)**

**Sol.** Extended Binary Coded Decimal Interchange Code (EBCDIC) is an eight-bit character encoding used mainly on IBM mainframe and IBM midrange computer operating systems. EBCDIC descended from the code used with punched cards and the corresponding six bit binary-coded decimal code used with most of IBM's computer peripherals of the late 1950s and early 1960s.

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**S138. Ans.(c)**

**Sol.** 1 MB= 1 million bytes

**S139. Ans.(a)**

**Sol.** Booting is the process which loads the operating system and check to ensure the components of the computer are operating and connected properly.

**S140. Ans.(d)**

**Sol.** HTML document is created by using a basic text editor such as Notepad on Windows, TextEdit on MacOS, gedit on Ubuntu Linux. However you should choose an editor that allows you to save a page in the UTF-8 encoding.

**S141. Ans.(b)**

**Sol.** A web browser (commonly referred to as a browser) is a software application for retrieving, presenting and traversing information resources on the World Wide Web. An information resource is identified by a Uniform Resource Identifier (URI/URL) that may be a web page, image, video or other piece of content.

**S142. Ans.(c)**

**Sol.** Sorting is any process of arranging items systematically.

**S143. Ans.(a)**

**Sol.** The Menu Bar is the horizontal band that contains commands and options that can be chosen.

**S144. Ans.(a)**

**Sol.** A telecommunication device is an electronic device used for communication via a telecommunication network.

**S145. Ans.(c)**

**Sol.** 400% is the max. zoom percentage in PowerPoint.

**S146. Ans.(d)**

**Sol.** All of these are file extension(s) in DOS.

**S147. Ans.(b)**

**Sol.** A programming language is a formal computer language or constructed language designed to communicate instructions to a machine, particularly a computer. Programming languages can be used to create programs to control the behavior of a machine or to express algorithms.

**S148. Ans.(a)**

**Sol.** The first electronic digital computer contained electronic valves.

**S149. Ans.(e)**

**Sol.** Word processors are used to create text based documents.

**S150. Ans.(e)**

**Sol.** All of the above are web browser.

**S151. Ans.(c)**

**Sol.** FORTRAN is the best and only major programming language for scientific applications. It is designed for performing large and complex scientific numerical computing.

**S152. Ans.(b)**

**Sol.** Input devices are hardware components that allow you to enter data and instructions into a computer system.

**S153. Ans.(d)**

**Sol.** CDs and DVDs are used to write data on them. Even though compact, these devices can easily carry large volumes of data. They are Optical storage devices.

**S154. Ans.(a)**

**Sol.** Hertz is a unit in which the speed of clock frequency of a microprocessor is measured.

**S155. Ans.(b)**

**Sol.** Flash drives are external storage media, not necessarily required to start a system, unless you are trying to reboot the system through a bootable flash drive.

**S156. Ans.(d)**

**Sol.** A motherboard is a part of the computer hardware that compensates the difference between the speeds of CPU and peripherals.

**S157. Ans.(d)**

**Sol.** Bcc stands for 'Blind Carbon Copy'. The recipients whose e-mail addresses are added in the Bcc field would receive a copy of the email; however, the identity of these recipients would not be disclosed.

**S158. Ans.(a)**

**Sol.** The Graphics Interchange Format (GIF) is used to save simple Web graphics having limited colours.

**S159. Ans.(b)**

**Sol.** In a computer network, the devices are called nodes.

**S160. Ans.(b)**

**Sol.** Except Antivirus, all others are parts and options available in MS Word.

**S161. Ans.(b)**

**Sol.** Remaining quantity of milk after third replacement = initial quantity  $\left(1 - \frac{\text{withdrawl quantity}}{\text{initial quantity}}\right)^3$

$$= 250 \left(1 - \frac{25}{250}\right)^3$$

$$= 250 \times (1 - 0.1)^3$$

$$= 182.25 \text{ l}$$

Volume of milk after third replacement = 182.25 l

**S162. Ans.(d)**

**Sol.**

Let radius of smaller sphere be r cm

ATQ –

$$\frac{\frac{4}{3}\pi \times r \times r \times r}{\frac{4}{3}\pi \times 14 \times 14 \times 14} = \frac{27}{64}$$

$$\Rightarrow r^3 = \frac{27}{64} \times 14 \times 14 \times 14$$

$$\Rightarrow r = \sqrt[3]{\frac{3}{4} \times 14}$$

$$\Rightarrow r = 10.5 \text{ cm}$$

Side of square = 10.5 + 7.5 = 18 cm

Area of square = 18 × 18 = 324 cm<sup>2</sup>

**Q163. Ans.(a)**

**Sol.** Ratio of profit share of Anurag, Shivam & Veer

$$= [15000 \times 8 + (15000 + 5000) \times 4] : [25000 \times 8 + (25000 - 5000) \times 4] : [30000 \times 8]$$

$$= 5 : 7 : 6$$

Let profit of Anurag, Shivam & Veer are 5p, 7p, 6p respectively

ATQ

$$\Rightarrow 7p - 5p = 250$$

$$\Rightarrow p = 125$$

Then profit of veer = 6p = 6 × 125

$$= 750 \text{ Rs}$$



**S164. Ans.(a)****Sol.** Let market price =  $10x$ 

$$\begin{aligned} \text{Then selling price will be} &= 10x \times \frac{90}{100} \\ &= 9x \end{aligned}$$

$$\begin{aligned} \text{Cost price will be} &= \frac{9x \times 100}{108} \\ &= \frac{25x}{3} \end{aligned}$$

According to question market price will be of 4 article and cost price will be of 5 article.

$$\begin{aligned} \text{Required percentage} &= \frac{\frac{10x}{25x}}{\frac{4}{3 \times 5}} \times 100 \\ &= \frac{10x \times 3 \times 5}{25x \times 4} \times 100 \\ &= 150\% \end{aligned}$$

**S165. Ans.(b)****Sol.** Let daily wage of A, B & C be  $21a$ ,  $16a$  &  $18a$  respectivelyAnd, On Sunday wage of A, B & C be  $(21a + 125)$ ,  $(16a + 125)$  &  $(18a + 125)$  respectively

ATQ –

$$\frac{(21a + 125)}{(16a + 125)} = \frac{26}{21}$$

$$441a + 2625 = 416a + 3250$$

$$25a = 625$$

$$a = 25 \text{ Rs.}$$

$$\text{Required difference} = (21 \times 25 - 18 \times 25) = 75 \text{ Rs.}$$

$$\text{Or required difference} = 21a - 18a = 3a = 75 \text{ Rs.}$$

**S166. Ans.(d)****Sol.** Let total people visited restaurant on all six days of week =  $100x$ 

$$\text{Given, } 100x \times \frac{16}{100} \times \frac{5}{12} - 100x \times \frac{5}{100} \times \frac{3}{4} = 70$$

$$\frac{20x}{3} - \frac{15x}{4} = 70$$

$$\frac{80x - 45x}{12} = 70$$

$$x = 24$$

Total number of males visited restaurant on Thursday &amp; Friday

$$= 2400 \times \frac{20}{100} \times \frac{2}{3} + 2400 \times \frac{25}{100} \times \frac{8}{15}$$

$$= 320 + 320$$

$$= 640$$

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**S167. Ans.(e)****Sol.** Let total people visited restaurant on all six days of week = 100a

Total female visited restaurant on Monday &amp; Thursday

$$= 100a \times \frac{12}{100} \times \frac{3}{8} + 100a \times \frac{20}{100} \times \frac{1}{3}$$

$$= \frac{33.5a}{3}$$

Total male visited restaurant on Friday

$$= 100a \times \frac{25}{100} \times \frac{8}{15}$$

$$= \frac{40a}{3}$$

$$\text{Required ratio} = \frac{\frac{33.5a}{3}}{\frac{40a}{3}} = 67 : 80$$

**S168. Ans.(b)****Sol.** Let total people visited restaurant on all six days of week = 100y

$$\text{Given, } 100y \times \frac{22}{100} \times \frac{(9-7)}{16} = 132$$

$$y = 48$$

$$\text{Difference between total people visited restaurant on Friday & Saturday} = 4800 \times \frac{(25-5)}{100} = 960$$

**S169. Ans.(a)****Sol.** Let total people visited restaurant on all six days of week = 100d

Total male visited restaurant on Monday &amp; Thursday

$$= 100d \times \frac{12}{100} \times \frac{5}{8} + 100d \times \frac{20}{100} \times \frac{2}{3}$$

$$= \frac{22.5d+40d}{3} = \frac{62.5d}{3}$$

$$\text{Total female visited restaurant on Friday} = 100d \times \frac{25}{100} \times \frac{7}{15}$$

$$= \frac{35d}{3}$$

$$\text{Required percentage} = \frac{\frac{62.5d}{3} - \frac{35d}{3}}{\frac{35d}{3}} \times 100$$

$$= 78.57 \approx 78\%$$

**S170. Ans.(b)****Sol.** Let total people visited restaurant on all six days of week = 100m

ATQ –

$$100m \times \frac{16}{100} \times \frac{5}{12} + 100m \times \frac{25}{100} \times \frac{7}{15} + 100m \times \frac{5}{100} \times \frac{1}{4} = 1175$$

$$\frac{20m}{3} + \frac{35m}{3} + \frac{5m}{4} = 1175$$

$$\frac{80m+140m+15m}{12} = 1175$$

$$235m = 14100$$

$$m = 60$$

Male visited restaurant on Monday &amp; Thursday

$$= 6000 \times \frac{12}{100} \times \frac{5}{8} + 6000 \times \frac{20}{100} \times \frac{2}{3}$$

$$= 450 + 800$$

$$= 1250$$

**Solutions (171-174):**

Let, total students like all three subjects (Math + English + History) =  $x$

So, total students like only history =  $2x$

Given, total students like math = 34

Total students like only math =  $(2x - 2)$

Total students like only math =  $(34 - 20) = 14$

So, total students like only history =  $14 + 2 = 16$

Total students like all three Subject =  $\frac{16}{2} = 8$

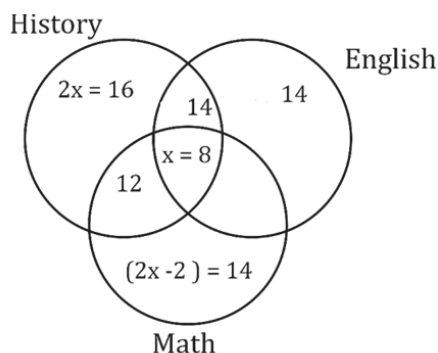
The number of students who like only English and history = 6

And who like English = 36

Therefore, who like only English = 14

Who like only math = 14

Total students like only English = students like English + history = 14



**S171. Ans.(d)**

**Sol.** Required ratio =  $\frac{8}{14} = 4 : 7$



**S172. Ans.(a)**

**Sol.** Total students like only History & only Math =  $16 + 14 = 30$

Required percentage =  $\frac{30 - 14}{14} \times 100 = 114 \frac{2}{7}\%$

**S173. Ans.(e)**

**Sol.** Required sum =  $14 + 8 + 12 = 34$

**S174. Ans.(c)**

**Sol.** Total students like only one subject =  $14 + 16 + 14 = 44$

**S175. Ans.(b)**

**Sol.** Total members =  $7 + 5 = 12$

Total possible outcomes =  ${}^{12}C_6 = 924$

Number of favorable outcomes =  ${}^7C_3 \times {}^5C_3 = 35 \times 10 = 350$

Required probability =  $\frac{350}{924} = \frac{25}{66}$



**S176. Ans.(a)****Sol.** Let part of sum invested at 7% = x

Then part invested at 5% = 3600 - x

ATQ,

$$\Rightarrow \frac{x \times 7 \times 1}{100} + \frac{(3600 - x)}{100} \times 5 = 204$$

$$\Rightarrow 7x + 18000 - 5x = 20400$$

$$\Rightarrow x = 1200$$

**S177. Ans.(b)****Sol.** Speed of boat in still water

$$= \frac{2.5}{15} \times 60 = 10 \text{ km/hr}$$

Then speed of stream =  $\frac{10}{2} = 5 \text{ km/hr}$ 

Let distance of place = x km

ATQ,

$$\Rightarrow \frac{x}{10 + 5} + \frac{x}{10 - 5} = \frac{5}{3}$$

$$\Rightarrow \frac{x}{15} + \frac{x}{5} = \frac{5}{3}$$

$$\Rightarrow \frac{x + 3x}{15} = \frac{5}{3}$$

$$\Rightarrow x = \frac{25}{4} \text{ km}$$

**S178. Ans.(a)****Sol.** Let present age of Adarsh & Sameer is 13x & 15x respectively

Present age of Ayush = (13x - 2)

ATQ -

$$\frac{(13x - 2) + 3}{15x + 3} = \frac{9}{11}$$

$$143x - 135x = 27 - 11$$

$$x = 2 \text{ years}$$

$$\text{Required difference} = (13 \times 2 + 5) - 15 \times 2 = 1 \text{ year}$$

**S179. Ans.(c)****Sol.** A can do  $\frac{1}{5}$  th of work in = 4 days

Then A can complete whole work in = 20 days

Given, 20% of work is done by B in = 3 days

100% of work is done by B in = 15 days

Given, 33.33% of work is done by C in = 10 days

100% of work is done by C in = 30 days

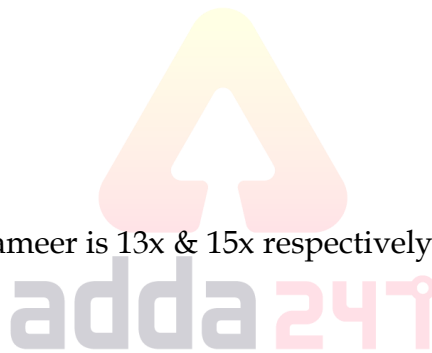
Let total work = 60

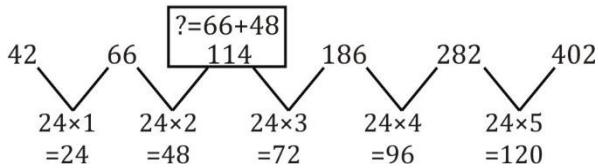
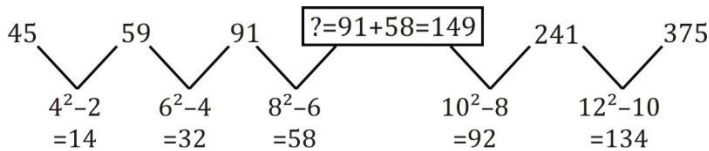
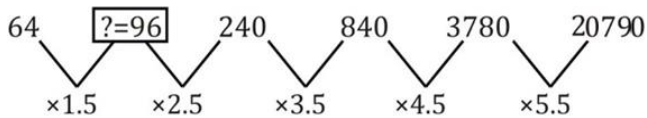
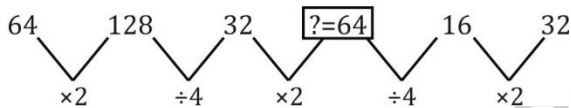
Then efficiency of A, B and C will be 3, 4, and 2 respectively

Work done by A and C in 8 days = (3+2)×8=40

$$\text{Rest of work done by B and C in} = \frac{60-40}{4+2} = 3\frac{1}{3} \text{ days}$$

$$\text{Total time C works for} = 8 + 3\frac{1}{3} = 11\frac{1}{3} \text{ days}$$

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**S180. Ans.(b)****Sol.** Pattern of series -**S181. Ans.(a)****Sol.** Pattern of series -**S182. Ans.(e)****Sol.** Pattern of series -**S183. Ans.(d)****Sol.****S184. Ans.(d)****Sol.** Total age of A, B & C =  $32 \times 3 = 96$  years**From I -**Let age of A & C be  $11x$  and  $12x$  respectivelyAnd age of B =  $(12x - 9)$ 

$$11x + ((12x - 9) + 12x) = 96$$

$$35x = 105$$

$$x = 3 \text{ years}$$

Age of A three year hence =  $11 \times 3 + 3 = 36$  years**From II -**Ratio of age of A, B & C =  $11 : 9 : 12$ Let age of A, B & C is  $11a$ ,  $9a$  &  $12a$  respectively

$$11a + 9a + 12a = 96$$

$$a = 3 \text{ years}$$

Age of A three year hence =  $11 \times 3 + 3 = 36$  years

So, Either I or II alone sufficient to give answer of the question.

**S185. Ans.(d)**

**Sol.** Let the length of smaller & longer train be  $4l$  &  $7l$  respectively

**From I -**

$$(108 - 96) \times \frac{5}{18} = \frac{4l+7l}{99}$$

$$\frac{10}{3} = \frac{11l}{99}$$

$$l = 30 \text{ m}$$

Length of smaller train = 120 m

Length of longer train = 210 m

$$108 \times \frac{5}{18} = \frac{120+P}{10}$$

$$P = 180 \text{ m}$$

Let time taken by longer train is  $t$  sec to cross platform

$$96 \times \frac{5}{18} = \frac{210+180}{t}$$

$$\frac{80}{3} = \frac{390}{t}$$

$$t = 14.625 \text{ sec}$$

**From II -**

$$(108 + 96) \times \frac{5}{18} = \frac{(4l+7l) \times 17}{99}$$

$$L = 30 \text{ m}$$

Length of smaller train = 120 m

Length of longer train = 210 m

$$108 \times \frac{5}{18} = \frac{120+P}{10}$$

$$P = 180 \text{ m}$$

Let time taken by longer train is  $t$  sec to cross platform

$$96 \times \frac{5}{18} = \frac{210+180}{t}$$

$$\frac{80}{3} = \frac{390}{t}$$

$$t = 14.625 \text{ sec}$$

So, Either I or II alone sufficient to give answer of the question.

**S186. Ans.(c)**

**Sol. From I -**

Let share of C =  $x$  Rs.

So, share of B =  $10x$  Rs.

Share of A =  $10x \times 1.2 = 12x$  Rs.

**From I & II -**

$$12x - (10x + x) = 184,5$$

$$x = 184.5$$

Difference between share of A & B =  $12 \times 184.5 - 10 \times 184.5 = 369$  Rs.

So, statement I & II together sufficient to give answer of the question.

**S187. Ans.(d)**

**Sol.** Let total production of crop in the year 2010 =  $100x$

So, total wheat production in the year 2010 =  $60x$

Total production of rice in the year 2010 =  $40x$

Total production of crop in the year 2011 =  $100x \times \frac{120}{100} = 120x$

Total production of rice in the year 2011 =  $40x \times 1.05 = 42x$

Total wheat production in the year 2011 =  $120x - 42x = 78x$

ATQ –

$$78x - 42x = 270$$

$$36x = 270$$

$$x = 7.5$$

Total production of crop in the year 2014 =  $100x \times 1.2 \times 1.25 \times 1.1 \times 1.5 = 247.5x$

Total production of crop in the year 2014 =  $247.5 \times 7.5 = 1856.25 \text{ kg}$

**S188. Ans.(b)**

**Sol.** Let total production of crop in the year 2010 =  $100x$

So, total wheat production in the year 2010 =  $60x$

Total production of rice in the year 2010 =  $40x$

Total production of crop in the year 2015 =  $100x \times 1.2 \times 1.25 \times 1.1 \times 1.5 \times 1.6 = 396x$

Total crop production In the year 2013 =  $100x \times 1.2 \times 1.25 \times 1.1 = 165x$

Total wheat production in the year 2013 =  $165x - 40x \times 1.05 \times 1.2 \times 1.25 = 102x$

$$\text{Required percentage} = \frac{102x}{396x} \times 100$$

$$= 25.75 \approx 26\%$$

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**S189. Ans.(b)**

**Sol.** Let total production of crop in the year 2010 =  $100x$

So, total wheat production in the year 2010 =  $60x$

Total production of rice in the year 2010 =  $40x$

Total crop production in the year 2012 =  $100x \times 1.2 \times 1.25 = 150x$

Total wheat production in the year 2012 =  $150x - 40x \times 1.05 \times 1.2 = 99.6x$

ATQ –

$$150x - 50.4x = 99.6x$$

$$99.6x = 4980$$

$$x = \frac{4980}{99.6} = 50 \text{ kg}$$

Total crop production in the year 2014 =  $100x \times 1.2 \times 1.25 \times 1.1 \times 1.5 = 247.5x$

Total wheat production in the year 2014 =  $247.5x - 40x \times 1.05 \times 1.2 \times 1.25 \times 1.4 = 159.3x$

Total wheat production in the year 2014 =  $159.3 \times 50 = 7965 \text{ kg}$

**S190. Ans.(d)**

**Sol.** Let total production of crop in the year 2010 =  $100x$

So, total wheat production in the year 2010 =  $60x$

Total production of rice in the year 2010 =  $40x$

Total crop production in the year 2013 =  $100x \times 1.2 \times 1.25 \times 1.1 = 165x$

Total wheat production in the year 2013 =  $165x - 40x \times 1.05 \times 1.2 \times 1.25 = 102x$

Total production of crop in the year 2014 =  $100x \times 1.2 \times 1.25 \times 1.1 \times 1.5 = 247.5x$

Required ratio =  $\frac{102x}{247.5x} = 68 : 165$

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