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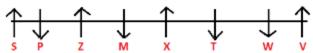




Solutions

S1. Ans.(b)

Sol.



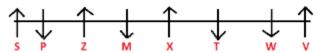
S2. Ans.(d)

Sol.



S3. Ans.(d)

Sol.



S4. Ans.(c)

Sol.



S5. Ans.(a)

Sol.



S6. Ans.(a)

S7. Ans.(d)

S8. Ans.(e)

S9. Ans.(a)

S10. Ans.(d)

S11. Ans. (c)

Sol.

Days	Person	Game
Monday	G	Football
Tuesday	L	Tennis
Wednesday	D	Cricket
Thursday	J	Tennis
Friday	K	Football
Saturday	F	Cricket
Sunday	Н	Cricket

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Bilingual

S12. Ans. (b)

Sol.

Days	Person	Game
Monday	G	Football
Tuesday	L	Tennis
Wednesday	D	Cricket
Thursday	J	Tennis
Friday	K	Football
Saturday	F	Cricket
Sunday	Н	Cricket

S13. Ans. (c)

Sol.

Days	Person	Game
Monday	G	Football
Tuesday	L	Tennis
Wednesday	D	Cricket
Thursday	J	Tennis
Friday	K	Football
Saturday	F	Cricket
Sunday	Н	Cricket

S14. Ans. (c)

Sol.

Days	Person	Game
Monday	G	Football
Tuesday	L	Tennis
Wednesday	D	Cricket
Thursday	J	Tennis
Friday	K	Football
Saturday	F	Cricket
Sunday	Н	Cricket

S15. Ans. (e)

Sol.

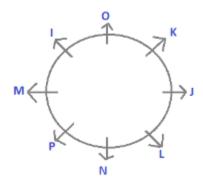
Days	Person	Game
Monday	G	Football
Tuesday	L	Tennis
Wednesday	D	Cricket
Thursday	J	Tennis
Friday	K	Football
Saturday	F	Cricket
Sunday	Н	Cricket

S16. Ans. (b)

S17. Ans. (b)

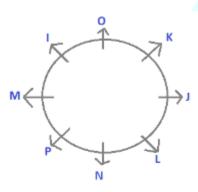
S18. Ans.(e)

Sol.



S19. Ans.(d)

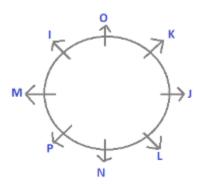
Sol.



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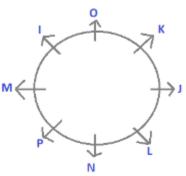
S20. Ans.(b)

Sol.



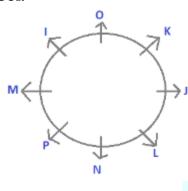
S21. Ans.(b)

Sol.



S22. Ans.(a)

Sol.



S23. Ans.(b)

Sol.

&><

*->>

\$>=

%**→**≥

@**→**≤

S24. Ans.(e)

Sol.

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S25. Ans.(e)

Sol.

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%**→**≥

@**→**≤





S26. Ans.(e)

Sol.

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\$>=

%>≥

@**→**≤

S27. Ans.(e)

Sol.

&-><

*->>

\$>=

%>≥

@**→**≤

S28. Ans.(d)

Sol.

Persons	Timings
В	8:30pm
M	7:00pm
K	9:45pm
0	10:15pm
Y	8:00pm
G	5:30pm
D	6:15pm
V	7:45pm



S29. Ans.(c)

Sol.

Persons	Timings
В	8:30pm
M	7:00pm
K	9:45pm
0	10:15pm
Y	8:00pm
G	5:30pm
D	6:15pm
V	7:45pm

S30. Ans.(a)

Sol.

Persons	Timings
В	8:30pm
M	7:00pm
K	9:45pm
0	10:15pm
Y	8:00pm
G	5:30pm
D	6:15pm
V	7:45pm

S31. Ans.(d)

Sol.

Persons	Timings
В	8:30pm
M	7:00pm
K	9:45pm
0	10:15pm
Y	8:00pm
G	5:30pm
D	6:15pm
V	7:45pm

S32. Ans.(e) Sol.

Persons	Timings
В	8:30pm
M	7:00pm
K	9:45pm
0	10:15pm
Y	8:00pm
G	5:30pm
D	6:15pm
V	7:45pm

S33. Ans.(a) Sol. A(+) B(-) C(+) — D

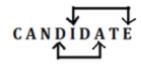


S34. Ans.(d)

Sol.

S35. Ans.(c)

Sol.



S36. Ans.(d)

Sol.

Number of females in village 'B' and 'D' together

$$= \frac{33}{100} \times 16,000 + \frac{(100 - 36 - 20)}{100} \times 24000$$

$$= 5280 + \frac{44}{100} \times 24000$$

$$= 5280 + 10560 = 15840$$
Number of males in village 'C'
$$= \frac{18000 \times 32}{100}$$

$$= \frac{18000 \times 32}{100}$$
$$= 5760$$

Required% =
$$\frac{15840 - 5760}{5760} \times 100$$

= $\frac{10080}{5760} \times 100$
= 175%

S37. Ans.(c)

Sol.

Required difference

$$= \frac{12000}{100} \times [46 - (100 - 46 - 22)]$$

$$= \frac{12000}{100} \times [46 - 32]$$

$$= \frac{12000}{100} \times 14 = 1680$$





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S38. Ans.(a)

Sol.

Population of transgender in village 'C' $= \frac{(100-32-36)}{100} \times 18000$

$$=\frac{32}{100} \times 18000$$

Population of males in village 'B'

$$= \frac{(100 - 33 - 27)}{100} \times 16000$$
$$= \frac{40}{100} \times 16000$$

Required ratio =
$$\frac{5760}{6400} = \frac{9}{10}$$

S39. Ans.(b)

Sol.

Required difference

$$= \frac{45}{100} \times 25000 - \frac{44}{100} \times 24000$$



S40. Ans.(e)

Sol.

Required% =
$$\frac{22 \times 12000}{33 \times 16000} \times 100$$

= 50%

S41. Ans.(c)

Sol.

$$P : Q = 2 : 3$$

$$\Rightarrow$$
 Q : P : R = 15 : 10 : 14

Let profit earned by Q be 15x, by

P be 10x and by R be 14x.

ATQ,

4x=76

x=19

Profit earned by Q=15x=15×19=Rs 285

S42. Ans.(a)

Sol.

Let the leak drain the tank in x hr.

$$\therefore \frac{1}{5} - \frac{1}{x} = \frac{2}{13}$$
$$\Rightarrow \frac{1}{x} = \frac{1}{5} - \frac{2}{13}$$

$$\Rightarrow \frac{1}{x} = \frac{13 - 10}{65} = \frac{3}{65}$$

$$\Rightarrow x = \frac{65}{3} hr.$$

S43. Ans.(d)

Sol.

$$Rita = \frac{3}{4} Kapil \Rightarrow Rita : Kapil = 3 : 4$$

$$Manish = \frac{5}{3}Rita \Rightarrow Rita : Manish = 3 : 5$$

Let Rita's present age be 3x, Kapil's present age be 4x and Manish present age be 5x.

After 10 years, ratio of their ages,

$$\Rightarrow$$
 5x+10: 3x+10: 4x+10 = 15: 11: 13.

$$\Rightarrow x = 4$$

So, Rita's present age = 3x = 12 years.

5 years ago, Rita's age was = (12 - 5) = 7 years.



S44. Ans.(d)

Sol.

$$(16M + 3W) \times 20 \times 4 = (4M + 13W + 6C) \times 10 \times 8$$

Also,
$$\frac{W}{M} = \frac{90}{100}$$

$$1W = \frac{9}{10} M \dots (ii)$$

From (i) and (ii),

$$12M = 9M + 6C$$

$$3M = 6C$$

$$1M = 2C \Rightarrow \frac{C}{M} = \frac{1}{2}$$

Efficiency of children in comparison to men is

$$=\frac{1}{2} \times 100 = 50\%$$
 (less efficient than man)

S45. Ans.(a)

Sol.

Let original average expenditure of mess be A. ATQ,

$$\Rightarrow$$
 36A = 576

S46. Ans.(c)

Sol.

Possible cases = (7M 1W) (5M 3W) (3M 5W)

$$= {}^{7}C_{7} {}^{5}C_{1} + {}^{7}C_{5} {}^{5}C_{3} + {}^{7}C_{3} {}^{5}C_{5}$$

$$= 5 + 210 + 35$$

$$= 250$$

Required probability =
$$\frac{250}{^{12}C_8} = \frac{250}{495} = \frac{50}{99}$$

S47. Ans.(b)

Sol.





Required ways =
$$\frac{^{3}P_{3}}{2!} \times \frac{3!}{2!}$$

= 9

S48. Ans.(a)

Sol.

Volume of sphere = Volume of 8 cylinders

$$\frac{4}{3}\pi(8)^3 = 8 \times \pi(4)^2 \times h$$

$$h = \frac{16}{3}$$
cm

S49. Ans.(b)

Sol.

Since interest is compounded quarterly,

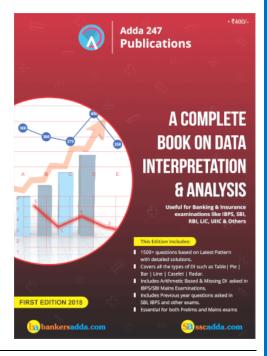
$$R = \frac{40}{4}\% = 10\%$$

$$T = 1 \times 4 = 4$$
 years.

C. I. =
$$8000 \left(1 + \frac{10}{100}\right)^4 - 8000$$

= Rs. 3712.8





S50. Ans.(c)

Sol.

Let speed of boat in still water = x kmph and speed of current = y kmph

ATQ,

$$x + y=4y$$

$$x=3y$$

$$Now, \frac{20}{x-y} = \frac{20}{4}$$

$$\frac{20}{2y} = 5 \implies y = 2 \text{km/hr}$$

Speed of boat in still water = x = 6km/hr

S51. Ans.(b)

Sol.



S52. Ans.(c)

Sol.



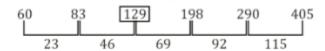
S53. Ans.(a)

Sol.



S54. Ans.(c)

Sol.



S55. Ans.(e)

Sol.



S56. Ans.(d)

Sol.

$$? = \frac{420 \times 24}{168} \times \frac{153}{204} = 45$$

S57. Ans.(b)

Sol.

$$?^2 = \sqrt{55\% \times 480 + 580 \times 3 + 397}$$

 $?^2 = \sqrt{264 + 1740 + 397}$
 $?^2 = \sqrt{2401} = 49$
 $? = 7$

S58. Ans.(a)

Sol.

$$? = \frac{352 \times 252}{616 \times 36} \times \frac{42}{100} \times 150$$
$$= 252$$

S59. Ans.(c)

Sol.

? × 1.4 × 8.4 = 6.3 × 5.6 - 4.2²
? =
$$\frac{6.3 \times 5.6}{1.4 \times 8.4} - \frac{4.2 \times 4.2}{1.4 \times 8.4}$$

? = 3 - 1.5 = 1.5

S60. Ans.(e)

Sol.

$$\Rightarrow (5)^{1+?} = \frac{625}{125} \times \frac{3125}{125}$$

$$\Rightarrow (5)^{1+?} = \frac{5^4}{5^3} \times \frac{5^5}{5^3} = 5^{4+5-3-3}$$

$$\Rightarrow (5)^{1+?} = 5^3$$

$$\Rightarrow 1+?=3$$

$$\Rightarrow ?=2$$

S61. Ans.(b)

Sol

$$5\frac{1}{3} + 3\frac{4}{9} - 7\frac{1}{2} - 2\frac{1}{4} = ? -16\frac{2}{9} + 11\frac{1}{4} - 5\frac{1}{2}$$

$$? = (5 + 3 - 7 - 2) + \frac{1}{3} + \frac{4}{9} - \frac{1}{2} - \frac{1}{4} + (16 - 11 + 5) + \frac{2}{9} - \frac{1}{4} + \frac{1}{2}$$

$$= 9 + \frac{1}{2} = 9\frac{1}{2}$$

S62. Ans.(e)

Sol.

$$\sqrt{1296} + (2744)^{\frac{1}{3}} = ? -\sqrt{961}$$

 $?^2 = 36 + 14 + 31 = 81$
 $? = 9$

S63. Ans.(d)

Sol.

63% of 450 + 81% of 150 = ? % of 675
283.5 + 121.5 = ?% × 675

$$\frac{405}{675}$$
 × 100 = ?
⇒ ? = 60

S64. Ans.(c)

Sol.

$$205 \times ? \times 13 = 33625 + 25005$$

$$? = \frac{58630}{205 \times 13} = 22$$

S65. Ans.(a)

Sol.

$$\frac{3}{8} \times \frac{4}{7} \times \frac{9}{11} \times 4312 = ? \times 7$$

$$\Rightarrow ? = 4312 \times \frac{1}{7} \times \frac{3}{2} \times \frac{1}{7} \times \frac{9}{11}$$

$$? = 108$$

S66. Ans.(d)

Sol.

Let C.P. of article be Rs. x ATQ, $(700 - x) = \frac{8}{7}(650 - x)$

$$x = 300$$

S.P to earn 25% profit

4900 - 7x = 5200 - 8x

$$= 300 \times \frac{125}{100}$$

= Rs. 375.



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S67. Ans.(b)

Sol.

Speed of Sita =
$$\frac{6000}{40}$$
 = 150 words/min.

Speed of Sita on next day

$$= 150 \times \frac{112}{100}$$

= 168 words/min

Time taken to type essay next day

$$=\frac{6000}{168}$$

$$=\frac{250}{7}\min.$$

S68. Ans.(a)

Sol.

Let number of days he worked = x ,days for which be was idle be y and for days he was absent = z

...(i)

$$120x + 60y - 20z = 12000$$

$$6x + 3y - z = 600$$

Also,

$$x + y + z = 210$$
 ...(ii)

and,

$$z = \frac{20}{100}y$$

From (i), (ii) and (iii)

z = 30

S69. Ans.(c)

Sol.

$$\frac{A}{B} = \frac{150}{100} = \frac{3}{2}$$

$$\Rightarrow A = \frac{3B}{2} \dots (i)$$

$$\frac{A}{B+C} = \frac{40}{100} = \frac{2}{5} \dots (ii)$$
From (i) & (ii)
$$C = 11$$

$$\frac{C}{B} = \frac{11}{4}$$

Efficiency of C with respect to B

$$= \frac{11-4}{4} \times 100 = 175\% \text{ more efficient than B}$$

S70. Ans.(a)

Sol.

Let two no's be x and y. $x^2 + y^2 = 628 ...(i)$ ATQ, $x = \frac{6}{11}y$...(ii) from (i) and (ii) y = 22x = 12.



S71. Ans. (a)

Sol.

Refer to the second sentence of the first paragraph, "The process has been marked by gradualism with measures being undertaken after extensive consultations with expert and market participants." Therefore, the statement thus indicates that consultations with expert and market participants regarding financial reforms have been undertaken, to minimize the risks while taking decisions. Hence, option (a) is the correct choice.

S72. Ans. (c)

Sol. Refer to the second and third last sentence of the first paragraph, "Attempts were made to simultaneously strengthen **the institutional framework** while enhancing the scope for commercial decision-making and market forces in an increasingly competitive framework. At the same time, the process did not lose sight of the **social responsibilities of the financial sector**." Therefore, option (c) is the correct choice.

S73. Ans. (c)

Sol. Refer to the last sentence of the first paragraph, "However, for fulfilling such objectives, rather than using administrative fiat or coercion, attempts were made to provide operational flexibility and incentives so that the desired ends are attended through interplay of market forces." Hence, with this statement the most suitable choice becomes option (c).

S74. Ans.(b)

Sol. Refer to the first sentence of the second paragraph, "The major aim of the reforms in the early phase of reforms, known as first generation of reforms, was **to create an efficient, productive and profitable financial service industry** operating within the environment of operating flexibility and functional autonomy." Hence, option (b) is the correct answer choice.

S75. Ans.(e)

Sol. Refer to the last second sentence of the last paragraph, "Whereas economic reforms in India were also initiated following an external sector crisis, unlike many other emerging market economies where economic reforms were driven by crisis followed by a boom-bust pattern of policy liberalization, in India, reforms followed a consensus-driven pattern of sequenced liberalization across the sector". As, none of the given option is provided in the passage, **option (e)** becomes the most suitable choice.

S76. Ans.(b)

Sol. Refer to the second sentence of the third paragraph, "However, unlike in the latter period, the earlier efforts were not part **of a well-thought out and comprehensive agenda for extensive reforms.**" Thus, the statement describes a remarking difference between the first and the second financial reform. Hence, option (b) is the correct choice.

S77. Ans.(e)

Sol. Scope and ambit are similar in meaning.

Scope means the extent of the area or subject matter that something deals with or to which it is relevant.

Ambit means the scope, extent, or bounds of something.

Inhibit means hinder, restrain, or prevent (an action or process).

Credence means belief in or acceptance of something as true.

S78. Ans.(e)

Sol. Autonomy and sovereignty are similar in meanings.

Sovereignty means supreme power or authority.

Autonomy means freedom from external control or influence; independence.

S79. Ans.(a)

Sol. Coinciding and synchronize are similar in meaning.

Coinciding means occur at the same time.

Synchronize means cause to occur or operate at the same time or rate.

S80. Ans.(b)

Sol. Repression and emancipation are antonyms and are opposite in meaning.

Repression means the action of subduing someone or something by force.

Emancipation means the fact or process of being set free from legal, social, or political restrictions; liberation.

S81. Ans.(c)

Sol. Use public opinion in place of 'public's opinion' as public/hostel/city are used both as noun and as adjective and the use of 's with it is incorrect.

S82. Ans. (d)

Sol. Here 'work' is used as an uncountable noun. The use of 'an' before 'urgent' is incorrect. Use 'some' in place of 'an' or we can use it like this "a piece of urgent work"

S83. Ans.(d)

Sol. The error is in part (d) of the sentence. Use 'is' in place of 'are' as the subject of the sentence is 'the idea' which is singular.

S84. Ans.(a)

Sol. The error is in part (a) of the sentence. Use 'it appears' in place of 'It is appearing' as when 'appear' is used to mean 'seem' then it is used in simple tense and not in continuous tense.



S85. Ans.(b)

Sol. The error is in part (b) of the sentence. Use 'many' in place of 'much' because 'much' is a quantitative adjective after which uncountable noun is used.

S86. Ans.(b)

Sol. Remove 'to' after but as after any form of 'do' if but is used to mean 'except' and if a verb is used after it then the verb is used without 'to'.

S87. Ans.(b)

Sol. 'Enough' will be used after 'kind' as when enough is used as adverb of quantity then enough is always used after the adjective or adverb.

S88. Ans.(b)

Sol. 'Whether' will be used after 'if' which can be figured out by the use of 'or' that construction is based on 'whether......or'.

S89. Ans.(e)

Sol. There is no error in the given statement.

S90. Ans.(e)

Sol. There is no error in the given statement

S91. Ans. (a)

Sol. Option (a) is the correct choice. The theme of the paragraph is about human migration. Moreover, later in the paragraph the phrase "plenty of holes and dots" expresses a process by which something is discovered or learned through a concerted effort to collect clues, information, and facts. Thus, it indicates that the information on the story of human migration is very expansive and inexact. Therefore, with the above rationale option (a) becomes the most suitable answer choice.

Brusque means abrupt or offhand in speech or manner.

Unmistakable means not able to be mistaken for anything else; very distinctive.

S92. Ans. (d)

Sol. Option (d) is the correct choice. **'cunning'** means having or showing skill in achieving one's ends by deceit or evasion. Thus, here the adjective **'cunning'** used to describe **'passages'** expresses that the path towards gathering more information on human migration is difficult to achieve as the conjunction adjoining the next phrase **'contrived corridors'** is providing a hint of difficulties while gathering the information. Thus, option (d) is the most viable choice that aptly fits into the theme of the paragraph.

Coarse means rough or harsh in texture.

Gullible means easily persuaded to believe something; credulous.

Obtuse means annoyingly insensitive or slow to understand.

Aboveboard means legitimate, honest, and open.

S93. Ans. (c)

Sol. Option (c) is the correct choice. **'Navigate'** is a **verb** which means to travel on a desired course after planning a route. Thus, the word next to the blank **'route'** provides a hint for the blank. Here, **'navigate the routes'** is referred to the process of designing and following the path of gathering data on human migration. All the other words do not fit into the blank aptly.

Devious means showing a skilful use of underhand tactics to achieve goals.

Artful means clever or skilful, especially in a crafty or cunning way.

Achievable means able to be brought about or reached successfully.

S94. Ans. (a)

Sol. Option (a) is the correct choice. **'String together'** is an **idiom** which means to arrange something in string or series. Here, the paragraph is describing about several evidences, speculations and theories to properly study and link with one another. Thus, option (a) becomes the most viable choice.

Muse means a person or personified force who is the source of inspiration for a creative artist.

Abscond means leave hurriedly and secretly, typically to escape from custody or avoid arrest.

S95. Ans. (d)

Sol. Option (d) is the correct choice. **'conclusion'** is a **noun** which means a judgement or decision reached by reasoning. Thus, it perfectly fits into the theme of the paragraph which is about the study of human migration.

Discriminations means recognition and understanding of the difference between one thing and another.

Deviations means the action of departing from an established course or accepted standard.

Interpretations means the action of explaining the meaning of something.

Assumptions means a thing that is accepted as true or as certain to happen, without proof.

S96. Ans.(e)

Sol. Option (e) is the correct choice. "**yonder**" is a **determiner** which means that or those (used to refer to something situated at a distance). As it provides a logical meaning to the paragraph it becomes the most feasible answer choice.

Fracture means break or cause to break.

Chasm means a deep fissure in the earth's surface.

Cleft means split, divided, or partially divided into two.

Schism means a split or division between strongly opposed sections or parties, caused by differences in opinion or belief.

S97. Ans.(b)

Sol. Option (b) is the correct choice. The precise **preposition** required here is 'across' which means from one side to the other of (a place, area, etc.); covering. All the other prepositions and adverbs do not justify the blank in an appropriate manner.

Beyond means at or to the further side of.

Over means extending directly upwards from.

S98. Ans.(d)

Sol. Option (d) is the correct choice. The initial part of the paragraph has already mentioned about the story of human migration. Thus, it provides a hint to choose the correct option from the given alternatives making option (d) i.e., 'migration' a correct choice. Rest of the options do not satisfy the theme of the paragraph.

Development means the process of developing or being developed.

Right means that which is morally correct, just, or honourable.

Resource means a source of help or information.

S99. Ans.(b)

Sol. Option (b) is the correct choice. **'Evidence'** is a **noun** means the available body of facts or information indicating whether a belief or proposition is true or valid. Hence, option (b) i.e., evidence makes the paragraph coherent. All the other alternatives fail to fit into the blank.

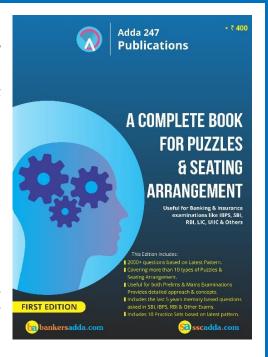
S100. Ans.(e)

Sol. Option (e) is the correct answer. 'schlepped' is a verb which means to (of a person) go or move reluctantly or with effort. Thus, it completely provides sense to the paragraph making it a viable answer choice.

Celebrated means greatly admired; renowned.

Honored means regard with great respect.

Hesitated means pause in indecision before saying or doing something.





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