



Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPSC



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

Agniveer Vayu Other than Science (Group Y) Other than science Memory Based Test (20 Jan 2023)

Total Time: 45 Minute

Total Marks: 50

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks	Sectional Timing
1	English	20	20	0.25	1	20 Min
2	RAGA	30	30	0.25	1	25 Min

- 1.) A total of 45 minutes is allotted for the examination.
- 2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.
- 3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

English

1. Directions: Four words have been given and one of those words is correctly spelt. Identify the word with the correct spelling and mark the correct answer. (+1, -0.25)

- a. Conscience
- b. Consience
- c. Consciense
- d. Counscience

-
2. Select the most appropriate meaning of the given idiom. (+1, -0.25)

To read between the lines

- a. to understand the implied meaning
- b. to completely misunderstand the meaning
- c. to read with great difficulty
- d. to critically analyse a piece of writing

-
3. Select the most appropriate synonym of the given word. (+1, -0.25)

Novice

- a. Expert
- b. Beginner
- c. Adept

d. Silent

4. Directions: Choose the **antonym** of the word (+1, -0.25)

Capricious .

a. Stable

b. mutable

c. variable

d. mercurial

5. Given here are four jumbled sentences. Pick the option that gives the correct order. (+1, -0.25)

A. I am in a grand restaurant called Haaland plaza.

B. And I am going to go for the Glaze crunch Salad,

C. I ordered this because of its ridiculous name.

D. while sipping I am looking at the menu

a. ADBC

b. BDAC

c. BDCA

d. CDBA

6. DIRECTIONS: In the given sentence there might be an error. Find out which part of the sentence has an error. If there is no error, mark your answer as (d) i.e. 'No error'. (+1, -0.25)

Scarcely had I (a)/ started reading the paper (b)/ then the doorbell rang (c)/ . No Error (d)

- a. (a)
- b. (b)
- c. (c)
- d. (d)

7. Direction: The following sentence has been split into four segments. (+1, -0.25)
Identify the segment that contains a grammatical error.

I am hopeful / that India will / win gold / in the Olympics this time.

- a. in the Olympics this time.
- b. I am hopeful
- c. that India will
- d. win gold

8. Direction: Identify the underlined part of the sentence that is not grammatically correct. (+1, -0.25)

Hardly had I completed the syllabus t hen the examination started.

- a. completed
- b. then
- c. examination
- d. started

9. Change the given sentence from Active to Passive Voice:

(+1, -0.25)

Close the door.

- a. The door should be closed.
- b. Let the door be closed.
- c. Let us close the door.
- d. We should let the close be closed.

10. **DIRECTIONS:** Change the following sentence into reported speech and mark the correct option among the choices given.

(+1, -0.25)

I said to him, "your brother is a brave boy".

- a. I told him that his brother was a brave boy.
- b. I told him that you brother was a brave boy
- c. I asked him that his brother was a brave boy
- d. I inquired him that his brother was a brave boy

11. Direction: Fill in the blanks with the simple past tense of the verb from the given options:

(+1, -0.25)

We _____ the Channel yesterday.

- a. crosses
- b. crossed
- c. cross

d. were crossing

12. Choose appropriate conjunctions for the given sentence: (+1, -0.25)

_____ you like it ___ not, I will come to your house again this evening.

- a. Whether, or
 - b. Whether, nor
 - c. After, as
 - d. Though, that,
-

13. Directions: Fill in the blanks in the following sentences with the help of options that follow. (+1, -0.25)

I _____ like a log if my mother had not turned off the air-conditioner.

- a. would have slept
 - b. would sleep
 - c. would slept
 - d. would had slept
-

14. Fill in the blank by choosing the part of speech that grammatically completes the given sentence. (+1, -0.25)

He was ashamed _____ behaving so badly.

- a. to

- b. of
- c. by
- d. with

15. What would be the verb form of the word 'acquirement'? (+1, -0.25)

- a. Acquirely
- b. Acquiringly
- c. Acquiry
- d. Acquire

16. In each of these questions, choose the option which can be substituted for the given words/sentence. (+1, -0.25)

A child who stays away from school without leave or explanation

- a. Truant
- b. Cynic
- c. Martinet
- d. Acquiescent

17. Directions: Read the following passage and answer the given questions: (+1, -0.25)

Bringing up the baby is now a science and fine art! Most of the maternal grandparents would agree with this statement. My mother lost fifteen kilos in six months when my son was born, and I gained that as much. Both ways it was because of the anxiety and shared responsibility. My female

colleague's welcome retirement when their daughter is ready to deliver or had just delivered. They most often befriend young, experienced mothers and spend long counselling sessions with them collecting tips on how to tackle a crisis. It is a funny sight to see grey-haired women browsing "Bringing up Baby" books at the local bookstore. One tends to think about what they did with their own offspring. Ask them and pat comes to the reply "it was so easy then. They grew up on their own". The mother may wear many hats at the same time. But to her or her parents, the mind-boggling thing for the first few years is diaper changes, circadian rhythm and continual feeding. At home social life is taboo. Phone calls give the cause for irritation, music becomes noise, friends and relatives become total strangers, the domestic help a spirit of mercy and the paediatrician a fairy godmother. Raising a kid is akin to guerilla warfare and if you hear a woman say that her baby 'is beautiful and perfect and an angel' all the time, then she is the grandma.

What is the main topic discussed in the passage?

- a. Raising a child cannot be both a science and an art.
- b. The challenges and responsibilities of raising a baby.
- c. Parents can provide their children with the best possible start in life.
- d. To be creative and intuitive in problem-solving and finding solutions to difficult situations.

18. Directions: Read the following passage and answer the given questions: (+1, -0.25)

Bringing up the baby is now a science and fine art! Most of the maternal grandparents would agree with this statement. My mother lost fifteen kilos in six months when my son was born, and I gained that as much. Both ways it was because of the anxiety and shared responsibility. My female colleague's welcome retirement when their daughter is ready to

deliver or had just delivered. They most often befriend young, experienced mothers and spend long counselling sessions with them collecting tips on how to tackle a crisis. It is a funny sight to see grey-haired women browsing "Bringing up Baby" books at the local bookstore. One tends to think about what they did with their own offspring. Ask them and pat comes to the reply "it was so easy then. They grew up on their own". The mother may wear many hats at the same time. But to her or her parents, the mind-boggling thing for the first few years is diaper changes, circadian rhythm and continual feeding. At home social life is taboo. Phone calls give the cause for irritation, music becomes noise, friends and relatives become total strangers, the domestic help a spirit of mercy and the paediatrician a fairy godmother. Raising a kid is akin to guerilla warfare and if you hear a woman say that her baby 'is beautiful and perfect and an angel' all the time, then she is the grandma.

Select the most appropriate SYNONYM of the given word.

"CONTINUAL"

- a. Irregular
- b. Uninterrupted
- c. Occasional
- d. Unsteady

19. Directions: Read the following passage and answer the given questions: (+1, -0.25)

Bringing up the baby is now a science and fine art! Most of the maternal grandparents would agree with this statement. My mother lost fifteen kilos in six months when my son was born, and I gained that as much. Both ways it was because of the anxiety and shared responsibility. My female colleague's welcome retirement when their daughter is ready to deliver or had just delivered. They most often befriend young, experienced mothers and spend long counselling sessions with them collecting tips on

how to tackle a crisis. It is a funny sight to see grey-haired women browsing "Bringing up Baby" books at the local bookstore. One tends to think about what they did with their own offspring. Ask them and pat comes to the reply "it was so easy then. They grew up on their own". The mother may wear many hats at the same time. But to her or her parents, the mind-boggling thing for the first few years is diaper changes, circadian rhythm and continual feeding. At home social life is taboo. Phone calls give the cause for irritation, music becomes noise, friends and relatives become total strangers, the domestic help a spirit of mercy and the paediatrician a fairy godmother. Raising a kid is akin to guerilla warfare and if you hear a woman say that her baby 'is beautiful and perfect and an angel' all the time, then she is the grandma.

How do maternal grandparents often handle the challenges of raising a baby?

- a. Maternal grandparents hardly provide emotional support for the parents.
- b. by adjusting to a new routine and schedule.
- c. by befriending young, experienced mothers and spending long counselling sessions.
- d. by balancing their own needs and desires with those of their grandchildren.

20. **Directions: Read the following passage and answer the given questions:** (+1, -0.25)

Bringing up the baby is now a science and fine art! Most of the maternal grandparents would agree with this statement. My mother lost fifteen kilos in six months when my son was born, and I gained that as much. Both ways it was because of the anxiety and shared responsibility. My female colleague's welcome retirement when their daughter is ready to deliver or had just delivered. They most often befriend young,

experienced mothers and spend long counselling sessions with them collecting tips on how to tackle a crisis. It is a funny sight to see grey-haired women browsing “Bringing up Baby” books at the local bookstore. One tends to think about what they did with their own offspring. Ask them and pat comes to the reply “it was so easy then. They grew up on their own”. The mother may wear many hats at the same time. But to her or her parents, the mind-boggling thing for the first few years is diaper changes, circadian rhythm and continual feeding. At home social life is taboo. Phone calls give the cause for irritation, music becomes noise, friends and relatives become total strangers, the domestic help a spirit of mercy and the paediatrician a fairy godmother. Raising a kid is akin to guerilla warfare and if you hear a woman say that her baby ‘is beautiful and perfect and an angel’ all the time, then she is the grandma.

What does the author say about a woman who always says that her baby is beautiful, perfect, and an angel?

- a. A woman always says that her baby is beautiful, perfect, and an angel, and then she is the mother.
- b. A woman always says that her baby is beautiful, perfect, and an angel, and then she is the daughter.
- c. A woman always says that her baby is beautiful, perfect, and an angel, and then she is the granddaughter.
- d. A woman always says that her baby is beautiful, perfect, and an angel, and then she is the grandma.

RAGA

21. Who is the founder of Samkhya school of philosophy? (+1, -0.25)

- a. Kapila
 - b. Gautama
 - c. Jaimini
 - d. Patanjali
-

22. The revolver was invented by _____. (+1, -0.25)

- a. John Browning
 - b. Henry Deringer
 - c. Theodor Bergmann
 - d. Samuel Colt
-

23. Which country is also known as 'Land of Midnight Sun'? (+1, -0.25)

- a. Greenland
 - b. Iceland
 - c. Ireland
 - d. Norway
-

24. In which part of the Constitution of India the Fundamental Duties are enshrined? (+1, -0.25)

- a. Part V
 - b. Part II
 - c. Part IV A
 - d. Part VI
-

25. Karolina Bielawska belongs to which of the following country? (+1, -0.25)

- a. Germany
 - b. Spain
 - c. France
 - d. Poland
-

26. Who has become the first-ever female President of Hungary? (+1, -0.25)

- a. Kaja Kallas
 - b. Maia Sandu
 - c. Katalin Novak
 - d. Sanna Marin
-

27. In MICR, 'I' stands for? (+1, -0.25)

- a. Ink
- b. Iron

- c. Italic
- d. None of the above

28. A rectangular grassy plot is 112 m long and 78 m broad. It has a travel path 2.5 m wide all around it on the inside of the plot. Find the area of the path. (+1, -0.25)

- a. 825 m^2
- b. 725 m^2
- c. 925 m^2
- d. 900 m^2

29. $\frac{3}{5}$ of $\frac{4}{7}$ of $\frac{5}{9}$ of $\frac{21}{24}$ of 504 = ? (+1, -0.25)

- a. 94
- b. 115
- c. 168
- d. 84

30. If $\frac{\tan \theta + \sin \theta}{\tan \theta - \sin \theta} = \frac{k+1}{k-1}$, then $k = ?$ (+1, -0.25)

- a. $\cos \theta$
- b. $\sec \theta$
- c. $\sin \theta$

d. $\operatorname{cosec} \theta$

31. In an examination, 40% of students failed in English, 20% failed in math. If 10% of the students failed in both these subjects, then what percentage of students passed in both the subject? (+1, -0.25)

- a. 50%
 - b. 40%
 - c. 30%
 - d. None of these
-

32. A man travelled from a point A to B at the rate of 25 Kmph and walked back at the rate of 4 Kmph. If the whole journey took 5 hrs 48 minutes, the distance between A and B is (+1, -0.25)

- a. 30 km
 - b. 24 km
 - c. 20 km
 - d. 51.6 km
-

33. If 9 books are purchased at Rs.18 and sold at Rs 20, then the profit % is (+1, -0.25)

- a. 11
- b. $11\frac{1}{9}$
- c. 12

d. $12\frac{1}{9}$

34. The value of $4 - \frac{5}{1 + \frac{1}{3 + \frac{1}{2 + \frac{1}{4}}}}$ is (+1, -0.25)

a. $\frac{31}{40}$

b. $\frac{1}{8}$

c. $\frac{40}{9}$

d. $\frac{40}{31}$

35. Three cubes of volumes 1 cm^3 , 216 cm^3 and 512 cm^3 are melted to form a new cube. What is the diagonal of the new cube? (+1, -0.25)

a. $3\sqrt{13}$

b. $9\sqrt{3}$

c. $8\sqrt{2}$

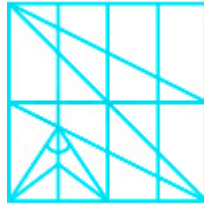
d. $5\sqrt{3}$

36. Figure X is Hidden in the option figures. Find the Correct option. (+1, -0.25)

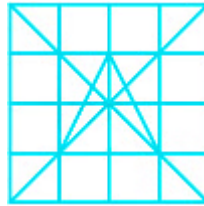


1)

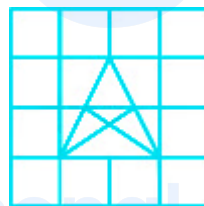
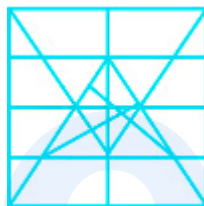
2)



3)



4)



a. A

b. B

c. C

d. D

37. Each of the following Questions consists of two sets of figures. Figures 1, 2, 3 and 4 constitute the Problem Set while figures a, b, c and d constitute the Answer Set. There is a definite relationship between figures (1) and (2). Establish a similar relationship between figures (3) and (4) by selecting a

suitable figure from the Answer set that would replace the Question mark (?) in fig.(4).



(1)

(2)

(3)

(4)



(a)

(b)

(c)

(d)

a. A

b. B

c. C

d. D

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38. Which of the following diagram represents Mammals, Cows and Crows? (+1, -0.25)



a.



b.



c.



d.

39. Geeta walks 6 km towards North, then she turns left and walks 8 km, then finally she turns left and walks 6 km. How far is she now from her starting point? (+1, -0.25)

- a. 6 km
- b. 8 km
- c. 10 km
- d. 14 km

40. Q is the mother of R and P. R is the only son of S. How is P related to R? (+1, -0.25)

- a. Brother

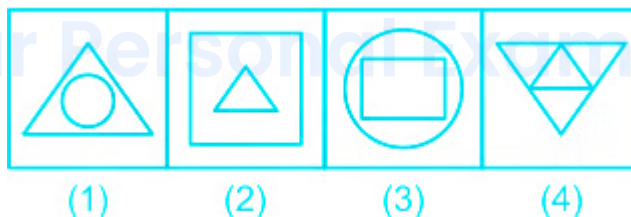
- b. Sister
- c. Daughter
- d. Mother

41. Which two numbers need to be interchanged to make the given equation correct? (+1, -0.25)

$$24 + 96 - 36 \div 6 \times 18 = 108$$

- a. 24 and 18
- b. 24 and 96
- c. 18 and 96
- d. 6 and 18

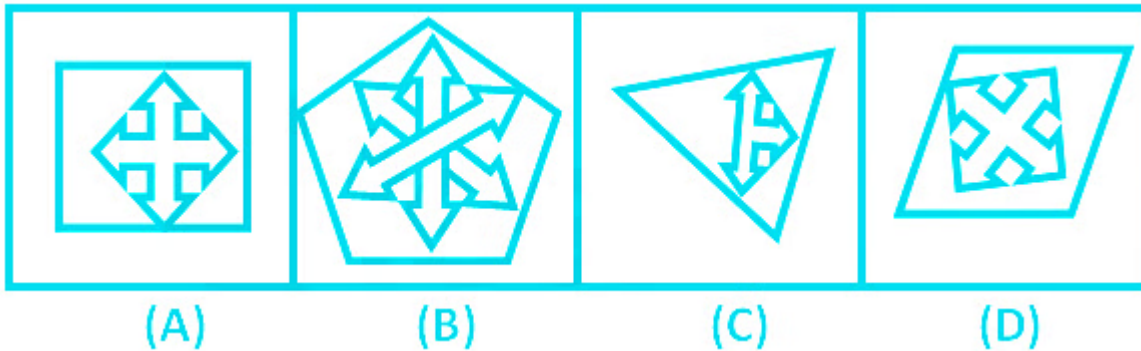
42. Choose the figure which is different from the rest. (+1, -0.25)



- a. 1
- b. 2
- c. 3
- d. 4

43. Select the figure which does NOT belong to the group.

(+1, -0.25)



a. A

b. B

c. D

d. C

44. Select the correct alternative to indicate the arrangement of the following words in a logical and meaningful order.

(+1, -0.25)

1. Ornaments

2. Gold

3. Goldsmith

4. Jewellery shop

5. Bride

a. 4, 2, 5, 3, 1

b. 2, 5, 4, 3, 1

c. 2, 4, 5, 1, 3

d. 2, 3, 1, 4, 5

45. Six friends A, B, C, D, E and F are sitting around a round table facing the centre. C is seated between A and B, and facing E. If B is sitting to the immediate left of D, who is facing F? (+1, -0.25)

a. E

b. A

c. D

d. B

46. In a code language, 'DOUBLE' is written as 'VPEFMC'. How will 'CLIQUE' be written in that language? (+1, -0.25)

a. KNDFVR

b. JMDGVQ

c. JMDFVR

d. JMDFVS

47. W introduced herself to U by saying that you are the daughter-in-law of my husband's father's wife. How are U and W related to each other? (+1, -0.25)

a. U is W's husband's brother's wife

b. U is W's husband's sister

c. W is U's husband's sister

d. W is U's brother's wife

48. If '+' means ' $\div$ ', ' $\div$ ' means '-', '-' means 'x', 'x' means '+', then $(12 + 4 \times 2) \times 6 - 4 \div 2 = ?$ (+1, -0.25)

a. 24

b. 17

c. 14

d. 27

49. Select the number that can replace the question mark (?) in the following series. (+1, -0.25)

600, 120, 30, 10, 5, ?

a. 3

b. 4

c. 2

d. 5

50. Which of the following Venn diagram best represents the relationship between Europe, Paris and France? (+1, -0.25)



a.

b.



c.



d.



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Answers

1. Answer: a

Explanation:

The correct answer is 'Conscience'.

★ Key Points

- Among the given options correct spelling is Conscience .
- Let's have a look at the meaning and example of the correctly spelled word .
(आइए एक नजर डालते हैं **सही वर्तनी वाले शब्द** के **meaning** और **example** पर।)
 - Conscience (noun)- " **a person's moral sense of right and wrong viewed as acting as a guide to one's behavior** ". (किसी व्यक्ति के सही और गलत की नैतिक भावना को उसके व्यवहार के लिए एक मार्गदर्शक के रूप में कार्य करने के रूप में देखा जाता है)
 - Example: *He had a guilty **conscience** about his desires.*
- Hence, the correct option is Option 1).

★ Additional Information

- Let's check out some synonyms and antonyms of 'Conscience ': (आइए 'Conscience ' के कुछ synonyms और antonyms शब्द देखें:)
 ◦ Synonyms : moral sense, ethics, standards.
 ◦ Antonyms : immorality, unconcern, insensibility.

2. Answer: a

Explanation:

- The correct answer is option 1 i.e. 'to understand the implied meaning'.
- The given idiom 'To read between the lines' means 'to find meanings that are intended but that are not directly expressed in something said or written'.
 - Eg: She said she could afford it, but **reading between the lines** I don't think she has enough money.

- The other options are incorrect.
-

3. Answer: b

Explanation:

The correct answer is "Option 2".

★ Key Points

- Novice means "a person who is starting to learn a job or an activity and has no experience."
- For example, I am just a novice at teaching kids.

So the accurate answer is " **Beginner** ".

★ Additional Information

Let's understand the other options.

- **Expert** (adjective) means "having or showing a lot of knowledge or skill".
 - For example, Our financial advisors provide expert advice to their clients.
- **Adept** (adjective) means "skilled".
 - For example, He is adept at making people happy.
- **Silent** (adjective) means "without any sound".
 - For example, My street remains as silent as the grave during winters.

The correct synonym of Novice is " **Beginner** ".

4. Answer: a

Explanation:

The correct answer is 'Stable '

★ Key Points

- Capricious – Changing suddenly in a way that is difficult to predict .
Example: *Employees need legal protection against capricious and unfair actions by their employers .*
- Let's look at the meaning of the given options:-
 - Stable – **Steady, firm, and unlikely to change .**
 - Example: *The situation in the country has remained relatively **stable** for a few months now .*
 - mutable– **changing over time or unable to be changed .**
 - variable– not consistent or having a fixed pattern; liable to change.
 - mercurial– subject to sudden or unpredictable changes of mood or mind.

Hence, according to the meanings of the given words the correct answer is **Option 1** i.e. **Stable**.

5. Answer: a

Explanation:

The correct answer is "ADBC"

★ Key Points

- The first sentence will be A because it states the location of the speaker
 - **I am in a grand restaurant called Haaland plaza.**
- The second sentence will be D because it states he looks at the menu of the restaurant.
 - **while sipping I am looking at the menu**
- The third sentence will be B because it states why he ordered that thing because it sounded exotic.
 - **And I am going to go for the Glaze crunch Salad,**
- The last sentence will be C because it states why he ordered that particular thing
 - **I ordered this because of its ridiculous name.**

Hence, the correct passage is: *I am in a grand restaurant called Haaland plaza while sipping I am looking at the menu And I am going to go for the Glaze Crunch Salad. I*

ordered this because of its ridiculous name

6. Answer: c

Explanation:

The correct answer is 'c'. i.e. this part of the sentence has an error .

★ Key Points

- In the third part of the given sentence, the use of the adverb 'then' is incorrect .
- The adverbs " scarcely, hardly, and barely " are always followed by the adverb 'when' and not 'then' .
- " Scarcely...when " is used to combine or rewrite sentences denoting two simultaneous past actions .
- **For example:**
 - **Incorrect:** Scarcely he had entered the room then everyone got quiet.
 - **Correct:** Scarcely had he entered the room when everyone got quiet.

Hence, the correct answer is option 3 .

Correct Sentence: *Scarcely had I started reading the paper when the doorbell rang.*

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7. Answer: a

Explanation:

Here, the erroneous part is 'in the Olympics this time.'

★ Key Points

- The error lies in part (**in the Olympics this time**) of the sentence.
- **"In"** is used in a space, small vehicle, water, neighborhood, city and country.
- **"At"** is used when you are at the top, bottom or end of something; at a specific address; at a general location; and at a point.

- Here, we are talking about the specific event "**Olympics**".
- Hence, the preposition 'in' should be replaced by the preposition 'at' to make the sentence grammatically correct.
- So, the correct answer is **Option 1**.

Correct sentence: *I am hopeful that India will win gold **at the Olympics this time**.*

8. Answer: b

Explanation:

Here, the erroneous part is 'then.'

★ Key Points

- The error lies in the part "**then**" of the sentence.
- If the second event occurs immediately after the first, we can express that idea using the structure **hardly ... when**.
 - Example : *Hardly had I reached the station when the train came.*
- So, we have to replace "**then**" with "**when**" to make the sentence grammatically correct.
- Therefore, the correct answer is **Option 2**.

Correct sentence: *Hardly had I completed the syllabus **when** the examination started.*

9. Answer: b

Explanation:

The correct answer is : '**Let the door be closed.**'

★ Key Points

- The given sentence is an **imperative sentence** in the active voice.
- The structure of an **imperative sentence in the active voice** is:

- **Base Verb(Close)+ object (door).**
- The structure of an **imperative sentence in the passive voice** is:
 - **Let + object (door) + be + past participle (closed).**

Hence, the correct passive voice of the given sentence is- '**Let the door be closed.**'

★ Additional Information

- In **Active Voice**, a sentence emphasizes the subject, performing an action.
 - **E.g.**-Please open the door.
- In **Passive Voice**, a sentence emphasizes the action or the object of the sentence.
 - **E.g.**- You are requested to open the door.

10. Answer: a

Explanation:

The correct answer is "**I told him that his brother was a brave boy** "

★ Key Points

- The given sentence is in **Direct Speech** and we have to change it into **Reported speech** .
- The process of **transformation** is as follows:
 - In **reported speech** , the **conjunction 'that '** will be added and **inverted commas** will be **removed** .
 - The **first person pronoun 'I '** will be changed into '**he** ' as per the **subject** of the **reporting verb** .
 - The **pronoun 'your '** will be changed into '**his** '
 - "**Is** " will be changed to "**was** " as **past tense** will be used instead of **present tense** .

Thus,**option 1** is the correct answer.

11. Answer: b

Explanation:

The correct answer is 'crossed.'

★ Key Points

- The **simple past tense**, sometimes called the preterite, is used to talk about a completed action in a time before now.
- The time of the action can be in the recent past or the distant past and action duration is not important.
- Structure of sentence in the **Simple Past Tense** :
 - Subject + V2 + Object.
 - Example: *My father **died** last year.*
- The subject "we" is plural, and we need the V2 form of the verb "**cross**" i.e. "**crossed**."
- So, the correct answer is Option 2.

Correct sentence : *We **crossed** the Channel yesterday.*

★ Additional Information

- Structure of negative sentence in the Simple Past Tense:
 - Subject + did not + V1 + Object.
 - Example: *My father **did not die** last year.*

12. Answer: a

Explanation:

The correct answer is '**Whether, or**'.

★ Key Points

- When we are talking about a **choice** between alternatives, we use **whether**.
Example: Mary did not know **whether** he should wear the blue suit **or** the green one.
- When there is a '**whether or not**' in a sentence.
Example: Mary wondered **whether or not** he should wear his green suit.
- '**Whether...or**' can be used as a **double conjunction**.
- An **example** is given below.

1) Some lessons are easy. 2) Some lessons are difficult. 3) A student will have to learn all of them.

- We can **combine** these three sentences into one using '**whether ...or**'.

The combined sentence is : A student will have to learn all the lessons **whether** they are easy **or** difficult.

- When the second part of this structure is negative, there are several possibilities.

Read the examples given below.

- 1) **Whether** you like it **or** whether you **don't**, you will have to work on this project.
- 2) **Whether or not** you like it, you will have to work on this project.
- 3) **Whether** you like it **or not**, you will have to work on this project.

- We use '**whether ... or not**' to give the opposite alternative.
Example: I am not sure **whether or not** to go camping this weekend.
- We can use '**whether ... or not**' in **front** or **end** position with this meaning. We use it in **orders** or commands:

Example: **Whether** you like it **or** not, you are going to have to look after your sister.

- Thus, '*whether, or*' are the **appropriate conjunctions** to fill in the blanks.

Therefore, the correct sentence is : '*Whether you like it **or** not, I will come to your house again this evening.*'

13. Answer: a

Explanation:

The correct answer is option 1)



Conditional sentences are statements discussing known factors or hypothetical situations and their consequences.

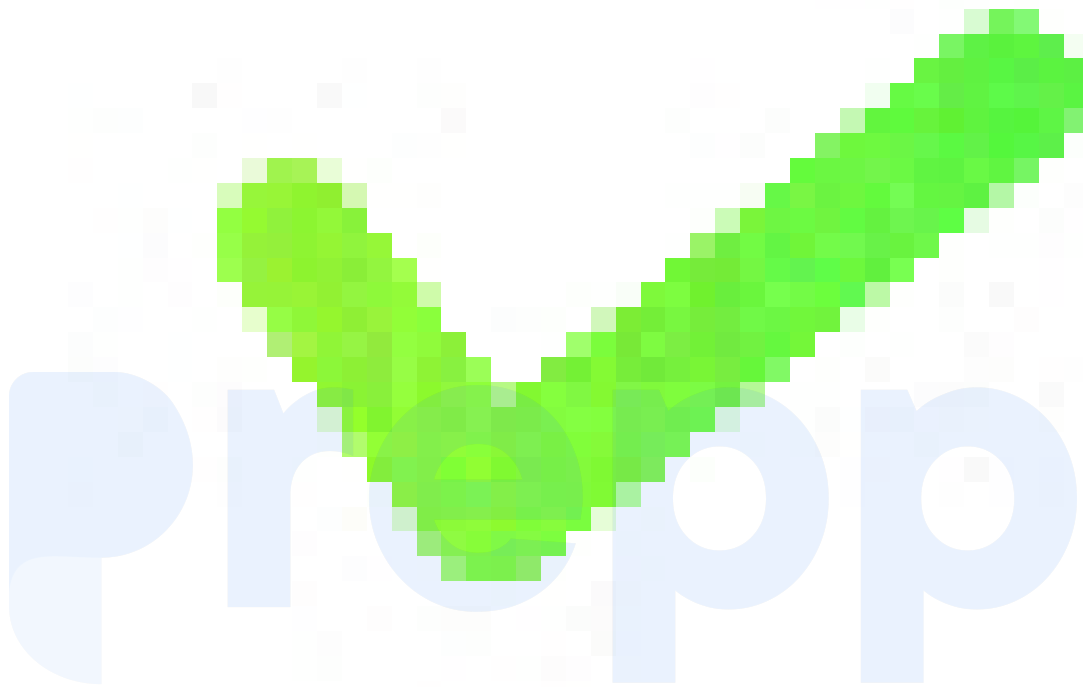
- *One of the structures is mentioned below:*
 - *This particular type is followed when something didn't happen as a certain condition wasn't fulfilled.*
 - *If + Past perfect, Subject + Would have + V 3 + Object.*
- *For example:*
 - *If I had noticed you, I will have called you.*

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- If I had noticed you, I would have called you.



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- In the blank part of the given question, 'would have slept' will be used as per the rule given above.



Sleep like a log means to sleep very soundly.

Correct Sentence: "***I would have slept** like a log if my mother had not turned off the air-conditioner.*"

14. Answer: b

Explanation:

The correct answer is 'of'.

★ Key Points

- From the given options it is evident that we need to use the correct **preposition** in the given blank.
- Let us look into the **usage** of the given prepositions –
 - **to** – We can use to as a preposition to indicate a destination or direction.
 - *For Example – We're going **to** Mumbai next week.*
 - **of** – commonly used as a preposition after different adjectives (afraid of, generous of, proud of, ashamed of) and verbs (approve of, dream of, think of):
 - *For Example – I feel very proud **of** her.*
 - **by** – used to identify the agent performing the action.
 - *For Example – She was hurt **by** her mother's words.*
 - **with** – used to indicate the material used for a purpose.
 - *For Example – He cleaned the table **with** a cloth.*
- The given blank needs a preposition after the adjective '**ashamed**'.
- Hence, '**of**' is the correct word for the given blank.
- So, **option 2** is the correct answer.

Correct sentence – He was ashamed**of** behaving so badly.

15. Answer: d

Explanation:

The correct answer is **Acquire**.

★ Key Points

'Acquirement' is a noun. It means *the act of getting or obtaining something, especially knowledge or skills*.

The corresponding verb form is '**acquire**'. It means *to buy or get something, especially knowledge or skills*.

★ Important Points

The rest of the words, i.e., **Acquirely**, **Acquiringly** and **Acquiry** are not valid in English.

★ Additional Information

- There are two parts of speech, namely verbs and nouns.
 - A noun denotes the name of a person, a place or a thing.
 - A verb, on the other hand, denotes any kind of action.
 - Words called verbs can explain anything that we do or perform.
 - Nouns and verbs combine to form complete sentences.
 - Nouns can be used either as a subject or as an object in a sentence.
 - A verb normally connects a subject to an object. On the other hand, both the subject and object can be termed as nouns.

16. Answer: a

Explanation:

The correct answer is "**Truant** "

★ Key Points

- Let's look at the meaning of the given words.
 - **Truant**: a pupil who stays away from school without leave or explanation.
 - **Cynic**: a person who believes that people are motivated purely by self-interest rather than acting for honourable or unselfish reasons.
 - **Martinet**: a person who demands complete obedience; a strict disciplinarian.
 - **Acquiescent**: ready to accept something without protest, or to do what someone else wants.

- As per the meaning of the given words, " **truant** " is the option that can be substituted for the given words/sentence.
 - **Example** : *Jacob started being atruant around the time his parents got separated.*

Hence, the correct answer is **option 1**.

17. Answer: b

Explanation:

The correct answer is " **The challenges and responsibilities of raising a baby.**"

★ Key Points

- Option '2' is correct.
 - The main topic discussed in the passage is **the challenges and responsibilities of raising a baby, specifically from the perspective of maternal grandparents and working mothers** .The passage describes how raising a baby is now considered both a science and a fine art, with many challenges such as diaper changes, circadian rhythms, and continual feeding.
 - Thus, in this context, we can say that the correct answer is option "2"
- Options 1, 3, and 4 are incorrect because there isn't sufficient supportive information in the passage to consider them to be the right answers.

Hence, the correct answer is " *The challenges and responsibilities of raising a baby.*"

18. Answer: b

Explanation:

The correct answer is " **Uninterrupted** ."

★ Key Points

- " **Continual** " refers to something that happens repeatedly and frequently over a period of time. It can also refer to something that is constant or ongoing. ("निरंतर" का अर्थ किसी ऐसी चीज़ से है जो एक समयावधि में बार-बार घटित होती है। यह किसी ऐसी चीज़ का भी उल्लेख कर सकता है जो निरंतर या चल रही है। उदाहरण: "कंपनी ने पिछले एक साल में मुनाफे में लगातार वृद्धि का अनुभव किया है।")
 - Example: " *The company experienced a **continual** increase in profits over the past year.* "

Let's see the meanings of the given words

- " **Irregular** " refers to something that is not regular or consistent, it can also refer to something that is not following a pattern or standard. ("अनियमित" किसी ऐसी चीज़ को संदर्भित करता है जो नियमित या सुसंगत नहीं है, यह किसी ऐसी चीज़ को भी संदर्भित कर सकती है जो किसी पैटर्न या मानक का पालन नहीं कर रही है।)
 - Example : " *The stock market experienced some **irregular** fluctuations over the past month.* "
- " **Uninterrupted** " refers to something that is continuous and without interruption or break. ("निर्बाध" का तात्पर्य किसी ऐसी चीज़ से है जो निरंतर है और बिना किसी रुकावट या विराम के है। उदाहरण: "फिल्म में निर्बाध प्रवाह था, कहानी का अनुसरण करना आसान था।")
 - Example : " *The movie had an **uninterrupted** flow, it was easy to follow the story.* "
- " **Occasional** " refers to something that happens from time to time, but not regularly or frequently. ("समसामयिक" का अर्थ कुछ ऐसा होता है जो समय-समय पर होता है, लेकिन नियमित रूप से या बार-बार नहीं। उदाहरण: "वह कभी-कभार ही कॉफी पीता है।")
 - Example : " *He only drinks coffee on **occasional** basis.* "
- " **Unsteady** " refers to something that is not stable, or not firm, it can also refer to something that is fluctuating or varying. ("अस्थिर" किसी ऐसी चीज़ को संदर्भित करता है जो स्थिर नहीं है, या दृढ़ नहीं है, यह किसी ऐसी चीज़ का भी उल्लेख कर सकता है जो उतार-चढ़ाव या भिन्न हो।)
 - Example : " *The ladder felt **unsteady** as she climbed up to reach the top.* "

According to the meanings of the given words, the correct answer is **Option 2, i.e., Uninterrupted.**

19. Answer: c

Explanation:

The correct answer is " **by befriending young, experienced mothers and spending long counselling sessions,**"

★ Key Points

- Option '3' is correct.
 - From the passage: '*... My female colleagues welcome retirement when their daughter is ready to deliver or had just delivered. They most often **befriend young experienced mothers and spend long counselling sessions with them, collecting tips on how to tackle a crisis...***'
 - Maternal grandparents **often handle the challenges of raising a baby by befriending young experienced mothers and spending long counselling sessions with them, collecting tips on how to tackle a crisis.**The passage states that maternal grandparents would often spend time with these mothers, seeking their advice and guidance on how to best care for their grandchildren.
 - Thus, in this context, we can say that the correct answer is option "3."
- Options 1, 2, and 4 are incorrect because there isn't sufficient supportive information in the passage to consider them to be the right answers.

Hence, the correct response is "*by befriending young, experienced mothers and spending long counselling sessions.*"

20. Answer: d

Explanation:

The correct answer is " **A woman always says that her baby is beautiful, perfect, and an angel, and then she is the grandma.**"

★ Key Points

- Option '4' is correct.

- From the passage: '.... *Raising a kid is akin to guerilla warfare, and if you hear a woman say that her baby **'is beautiful and perfect and an angel' all the time, then she is the grandma.....***
- The author says that if a woman always says that **her baby is beautiful and perfect and an angel, then she is the grandma.** This statement implies that grandmothers tend to have a more idealized and romanticized view of their grandchildren and parenting in general, compared to the parents who are actually raising the baby and experiencing the day-to-day challenges and struggles of diaper changes, circadian rhythm, and continual feeding.
 - Thus, in this context, we can say that the correct answer is option "4"
- Options 1, 2, and 3 are incorrect because there isn't sufficient supportive information in the passage to consider them to be the right answers.

Hence, the correct answer is "A woman always says that her baby is beautiful, perfect, and an angel, and then she is the grandma."

21. Answer: a

Explanation:

The correct answer is Kapila.

★ Key Points

- Sage Kapila is traditionally known as a founder of the Samkhya school.
- Samkhya refers to the philosophical school in Hinduism based on systematic enumeration and rational examination.
- Samkhya is one of the most prominent and one of the oldest of Indian philosophies.
- Based on the Upanishads, there are two schools of philosophy developed in India:
 - Samkhya)
 - Vedanta.

- The Samkhya philosophy combines the basic doctrines of Samkhya and Yoga. However, it should be remembered that the Samkhya represents the theory and Yoga represents the application or the practical aspects.

★ Additional Information

- Gautama Muni is the founder of Nyaya Philosophy.
- The Mimamsa Sutra or the Purva Mimamsa Sutras, written by Rishi Jaimini is one of the most important ancient Hindu philosophical texts.
- Yoga Sutras are considered to serve as the basis of yogic techniques.
- Maharishi Patanjali is also known as "The Father of Yoga".
- He had compiled 195 sutras, which serve as a framework for integrating Yoga into the daily routine and leading an ethical life.

22. Answer: d

Explanation:

The correct answer is Samuel Colt.

★ Key Points

- Samuel Colt was an American industrialist and businessman who is credited with the invention of the revolver.
- Edward Jenner was a British physician who is credited with the discovery of the smallpox vaccine.
- Alexander Fleming is a Scottish physician and microbiologist who is credited with the discovery of penicillin.
- Albert Einstein was a German-born physicist who is known for his theory of relativity.

★ Additional Information

Scientists and their famous products

Scientist	Product
Theodor Bergmann	Firearms, Bergmann Pistol
Henry Deringer	Derringer pistol
John Browning	Military and civilian firearms, cartridges, and gun mechanisms

23. Answer: d

Explanation:

The correct answer is Norway.

★ Key Points

- Norway country is also known as the 'Land of Midnight Sun'.
- The country, Norway has acquired the name of the Land of Midnight Sun, as Norway experiences, the natural phenomena called the midnight sun.
- The land of the midnight sun is called so because the northern part of the country is located above the Arctic circle, where the sun shines 24 hours a day from Mid-May to Mid-July.
- From late May to late July, the sun never completely descends beneath the horizon in areas north of the Arctic Circle.
 - The rest of the country experiences up to 20 hours of daylight per day.
- Hence, option 4 is correct.

★ Additional Information

- The midnight sun is a natural phenomenon that occurs in the summer months in places north of the Arctic Circle or south of the Antarctic Circle when the sun remains visible at the local midnight.

- When the midnight sun is seen in the Arctic, **the sun appears to move from left to right, but in Antarctica, the equivalent apparent motion is from right to left.**
- This occurs at **latitudes from 65°44' to 90° north or south**, and this doesn't stop exactly at the Arctic Circle or the Antarctic Circle, due to refraction.

24. Answer: c

Explanation:

Indian Constitution gave Fundamental Rights to every citizen of the country.

- So, everyone must protect their constitution and country.
- **Fundamental duties** are the duties that need to be performed by each individual. However, it's the right of a person if he wants to pursue fundamental duties.
- *The main features of Fundamental Duties are as follows:*
 - It was recommended by **Sardar Swaran Singh Committee**.
 - It was added to the Indian Constitution after the **42nd Amendment** also known as the **Mini Constitution**.
 - It is 11 in numbers stated under **Article 51-A in Part 4A**.

Hence, we conclude that the Fundamental Duties are in part IV-A of the Indian Constitution.

★ Additional Information

The following are the fundamental duties stated in the Indian Constitution:

- to abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
- to cherish and follow the noble ideals which inspired our national struggle for freedom;
- to uphold and protect the sovereignty, unity and integrity of India;
- to defend the country and render national service when called upon to do so;
- to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional

- diversities; to renounce practices derogatory to the dignity of women;
- to value and preserve the rich heritage of our composite culture;
- to protect and improve the natural environment including forests, lakes, rivers and wildlife, and to have compassion for living creatures;
- to develop the scientific temper, humanism and the spirit of inquiry and reform;
- to safeguard public property and to abjure violence;
- to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement;
- parent or guardian provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years.

25. Answer: d

Explanation:

The correct answer is Poland.

★ Key Points

- Poland's **Karolina Bielawska** has been crowned **Miss world for the year 2021**.
- The **70th edition** of the event was held on **16 March 2022** night at the **Coca-Cola Music Hall in San Juan, Puerto Rico**.
- This is the **second Miss World title for Poland**.
- **Aneta Kręglička** it back in 1989 for the country.
- Miss **USA Shree Saini** , an Indian-American, emerged as the first runner-up.

★ Important Points

- The Miss World pageant was originally scheduled to be held on December 16, 2021, at the **José Miguel Agrelot Coliseum**, but was rescheduled after Varanasi and 16 others had tested COVID-19 positive.
- The show was broadcast globally to over **100 countries**.

26. Answer: c

Explanation:

The correct answer is Katalin Novak.

★ Key Points

- The Hungarian Parliament has elected Katalin Novak, as the first-ever female President.
- Novak will succeed Janos Ader, after his term expires on May 10, 2022.
- She has been elected for a 5-year term after defeating Peter Rona in the elections.
- She is a former member of the government as a minister without a portfolio for family affairs.



★ Additional Information

- Hungary has unveiled the statue of Bitcoin founder Satoshi Nakamoto.
- The imposing bronze statue was unveiled in Hungary's capital, Budapest.
- Hungary:
 - Capital: Budapest
 - Currency: Hungarian forint

27. Answer: a

Explanation:

The correct answer is Ink.

- MICR code in the banking stands for Magnetic Ink Character Recognition.

★ Key Points

- MICR (Magnetic Ink Character Recognition) code is a code printed on cheques.
- The embedded code is printed in MICR.
- It enables the identification of the **cheques**, which results in faster processing.
- A MICR code is a **9-digit code**.



- It identifies the bank and branch participating in an Electronic Clearing System (ECS).
- It comprises 3 parts:
 - The first three digits represent the city i.e. **City Code**.
 - The next 3 digits represent the bank i.e. **Bank Code**.
 - The last 3 digits represent the branch i.e. **Branch Code**.

28. Answer: c

Explanation:

Given:

Length of outer rectangle = 112 m

Breadth of the outer rectangle = 78 m

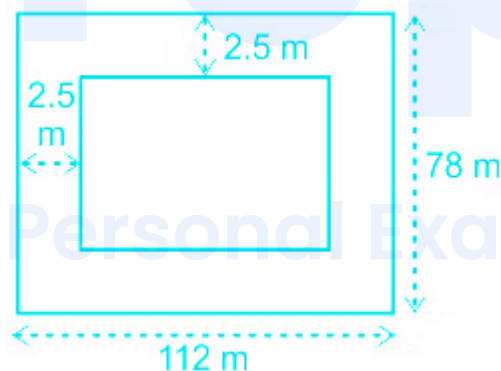
Breadth of road = 2.5 m

Formula used:

Area of road = Area of the plot - Area without road

Area of rectangle = Length $\times$ breadth

Calculation:



From the figure:

Length of inner rectangle = $(78 - 5) = 73$ m

Breadth of inner rectangle = $(112 - 5) = 107$ m

Area of road = Area of the rectangular plot - Area of inner rectangle

$$\Rightarrow A = (112 \times 78) - (107 \times 73)$$

$$\Rightarrow A = 8736 - 7811$$

$$\Rightarrow A = 925 \text{ m}^2$$

The area of the path is 925 m^2

★ Alternate Method

Concept used:

If length of a rectangle = L, breadth = B and width of path = W

If the path is inside the rectangle, then

$$\text{Area of the path} = (L + B - 2W) \times 2W$$

Calculation:

According to the question,

$$L = 112, B = 78 \text{ and } W = 2.5$$

$$\text{The area of the path} = (112 + 78 - 5) \times 5 = 925 \text{ m}^2$$

29. Answer: d

Explanation:

Calculation:

$$\left(\frac{3}{5}\right) \times \left(\frac{4}{7}\right) \times \left(\frac{5}{9}\right) \times \left(\frac{21}{24}\right) \times 504$$

$$\Rightarrow \left(\frac{1}{6}\right) \times 504 = 84$$

$\therefore$ The required answer is 84.

30. Answer: b

Explanation:

$$\frac{\tan\theta + \sin\theta}{\tan\theta - \sin\theta} = \frac{k+1}{k-1}$$

Using Dividendo and Componendo

$$\Rightarrow \frac{\tan\theta}{\sin\theta} = \frac{k}{1}$$

$$\Rightarrow \frac{\sin\theta}{\cos\theta} \times \frac{1}{\sin\theta} = k$$

$$\Rightarrow k = \sec\theta$$

31. Answer: a

Explanation:

Given:

40% of students failed in English, 20% failed in Math and 10% failed in both subject

Calculation:

Let the total student be 100%

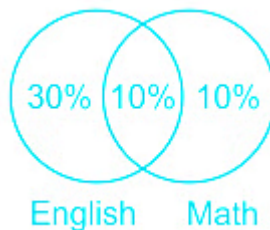
Total students failed in English = 40%

Total students failed in both English & Maths = 10%

Total students failed only in English = 40% - 10% = 30%

Similarly, total students failed only in Maths = 20% - 10% = 10%

Failed students diagram



According to the diagram,

⇒ Total failed students = 30% + 10% + 10%

⇒ Total failed students = 50%

We know that,

Total students = Total number of passed students – Total number of failed students

⇒ Percentage of passed student = 100% – 50%

⇒ Percentage of passed student = 50%

∴ Percentage of students passed are 50%

32. Answer: c

Explanation:

Given:

A man goes from point A to B with the speed of 25 km/hr

The man comes from point B to A with the speed of 4 km/hr

Total time to cover whole journey = 5 hrs 48 minutes.

Formula:

Speed = distance/time

1 hr = 60 min

Calculation:

5 hrs 48 min = $(5 + 48/60)$ hr = $(5 + 4/5)$ = $29/5$ hr

Let distance between A and B be x km, then

According to the question,

$$x/25 + x/4 = 29/5$$

$$\Rightarrow (4x + 25x)/100 = 29/5$$

$$\Rightarrow 29x/100 = 29/5$$

$$\Rightarrow x = 29/5 \times 100/29$$

$$\Rightarrow x = 20$$

$\therefore$ Distance between A and B is 20 km.

33. Answer: b

Explanation:

Formula used:

$$\text{Profit \%} = (\text{Profit}/\text{CP}) \times 100$$

Calculation:

$$\text{CP} = 9 \text{ book} = \text{Rs. } 18$$

$$\text{SP of 9 book} = \text{Rs. } 20$$

$$\text{Profit} = 20 - 18 = \text{Rs. } 2$$

$$\text{Profit \%} = [\text{Profit}/\text{CP}] \times 100$$

$$\text{Profit \%} = (2/18) \times 18$$

$$\therefore \text{Profit \%} = 11\frac{1}{9}.$$

34. Answer: b

Explanation:

Calculation:

$$4 - \frac{5}{1 + \frac{1}{3 + \frac{1}{2 + \frac{1}{4}}}}$$

$$\Rightarrow 4 - \frac{5}{1 + \frac{1}{3 + \frac{4}{9}}}$$

$$\Rightarrow 4 - \frac{5}{1 + \frac{9}{31}}$$

$$\Rightarrow 4 - \frac{5 \times 31}{40} = 4 - \frac{31}{8}$$

$$\Rightarrow \frac{32 - 31}{40} = \frac{1}{8}$$

The correct answer is $\frac{1}{8}$.

35. Answer: b

Explanation:

Formula used:

For the cube of side 'a'

$$\text{Volume} = a^3$$

$$\text{Diagonal} = a\sqrt{3}$$

Calculation:

Let the side of the new cube is 'a' volume is 'V'

The volume of melted cubes = volume of the new cube formed

$$\Rightarrow 1 + 216 + 512 = V$$

$$\Rightarrow V = 729 \text{ cm}^3 = a^3$$

$$\Rightarrow a^3 = 9^3$$

$$\Rightarrow a = 9 \text{ cm}$$

$$\therefore \text{Diagonal of new cube} = a\sqrt{3} = 9\sqrt{3}$$

36. Answer: b

Explanation:

The embedded part of this image is:

No.	Option	Question	Answer
1.			Not Embedded
2.			Embedded
3.			Not Embedded
4.			Not Embedded

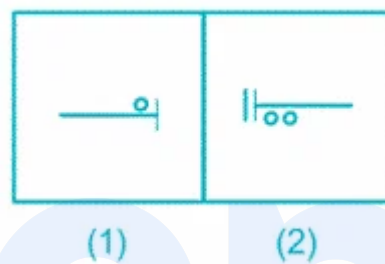
Hence, the correct answer is "Option (2)"

37. Answer: c

Explanation:

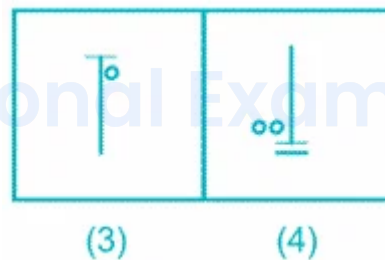
The logic is:

1) In 1st and 2nd image, we see that circles in 1st image is 1, which becomes 2 in the second image. Also, the small line attached with the horizontal line is in east direction, which increases by one in the 2nd image and shifts to west direction.



Similarly,

In the '?' image there will be two circles and the two small lines attached with the vertical line will be in south direction.



Hence, the correct answer is "Option 3".

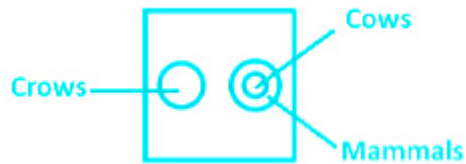
38. Answer: b

Explanation:

Cows are mammals and crows are egg laying animals.

Hence below picture

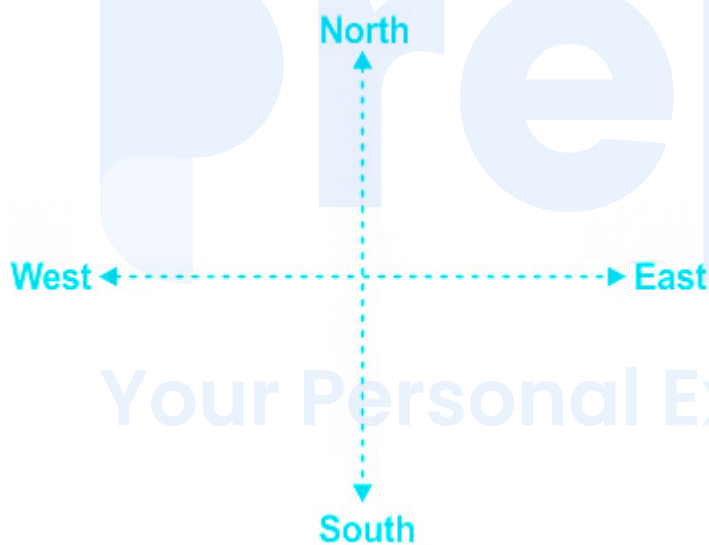
Represents them best:-



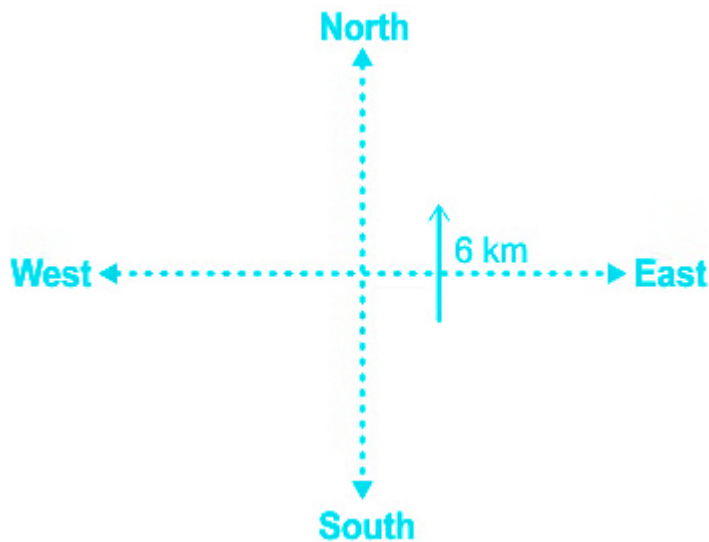
39. Answer: b

Explanation:

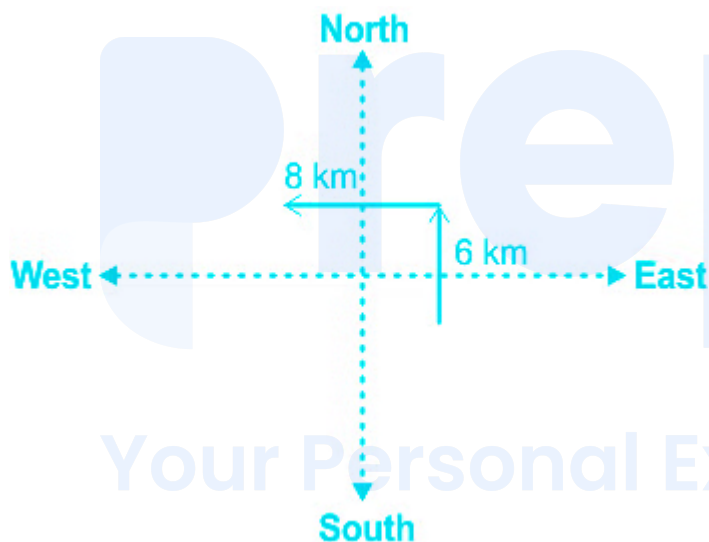
Direction:



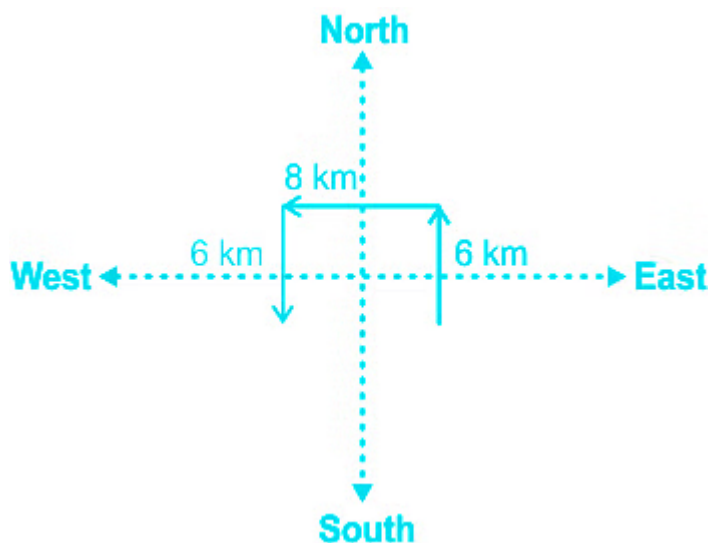
Geeta walks 6 km towards North.



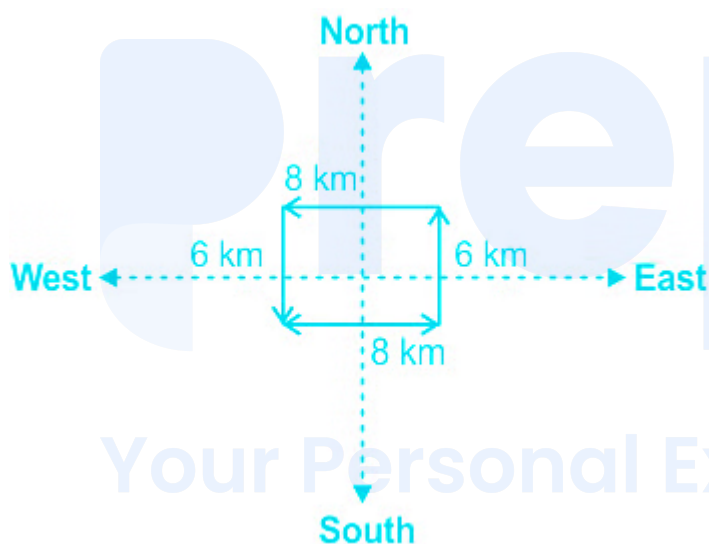
Then, she turns left and walks 8 km.



Then finally she turns left and walks 6 km.



So, she is **8 KM** far from starting point.



Hence, **option 2** is correct answer.

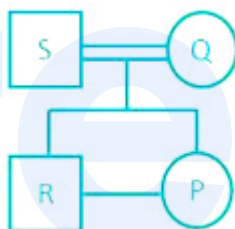
40. **Answer: b**

Explanation:

Preparing the family tree using the following symbols:

Symbol in Diagram	Meaning
○	Female
□	Male
==	Married couple
—	Siblings
	Difference of a generation

Possible tree diagram will be,



Hence, P is the sister of R.

Note: R is the only son of S. Hence, the gender of P is definitely 'female'.

41. Answer: d

Explanation:

Here, we use the table given below:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (+)	विभाजन (+)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (−)	घटाव (−)

Given:

$$24 + 96 - 36 \div 6 \times 18 = 108$$

Checking all the options one by one:

1. 24 and 18:

$$24 + 96 - 36 \div 6 \times 18 = 108$$

After interchange:

$$18 + 96 - 36 \div 6 \times 24$$

Apply BODMAS:

$$18 + 96 - 6 \times 24$$

$$18 + 96 - 144 = -30$$

Expression is not satisfied.

2. 24 and 96:

$$24 + 96 - 36 \div 6 \times 18 = 108$$

After interchange:

$$96 + 24 - 36 \div 6 \times 18$$

Apply BODMAS:

$$96 + 24 - 6 \times 18$$

$$96 + 24 - 108$$

$$120 - 108 = 12$$

Expression is not satisfied.

3. 18 and 96:

$$24 + 96 - 36 \div 6 \times 18 = 108$$

After interchange:

$$24 + 18 - 36 \div 6 \times 96$$

Apply BODMAS:

$$24 + 18 - 6 \times 96$$

$$24 + 18 - 576$$

$$42 - 576 = -534$$

Expression is not satisfied.

4. 6 and 18:

$$24 + 96 - 36 \div 6 \times 18 = 108$$

After interchange:

$$24 + 96 - 36 \div 18 \times 6$$

Apply BODMAS:

$$24 + 96 - 2 \times 6$$

$$24 + 96 - 12$$

$$120 - 12 = 108$$

$$24 + 96 - 36 \div 6 \times 18 = 108$$

Here, the given expression is satisfied.

Hence, the correct answer is **"6 and 18"**.

42. Answer: d

Explanation:

The logic follows here is:

In figure 1, 2, and 3 outer figure and the enclosed figure are different

But,

In figure 4 both the outer and the enclosed figure are the same.

Hence, the correct answer is **"Option 4"**.

43. Answer: b

Explanation:

On observing the given figure carefully, we get:

Figure A:



Here, the number of arrows is equal to the number of sides of the figure.

Figure B:



Here, the number of arrows is **not equal to the number of sides** of the figure.

Figure C:



Here, the number of arrows is equal to the number of sides of the figure.

Figure D:



Here, the number of arrows is equal to the number of sides of the figure.

Hence, the correct answer is "F igure (B)".

44. Answer: d

Explanation:

Gold is used by a **goldsmith** to prepare **ornaments** which he sells in a **jewelry shop** from where a **bride** can buy the ones she likes.

Gold → Goldsmith → Ornaments → Jewelry shop → Bride

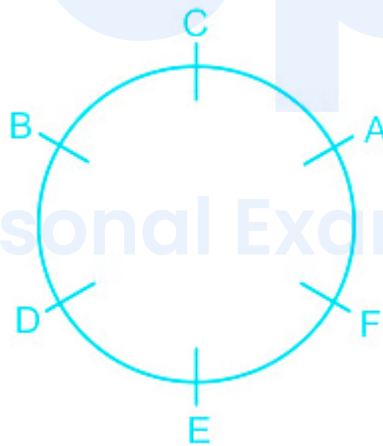
Hence, the correct answer is ' 2, 3, 1, 4, 5 '.

45. Answer: d

Explanation:

1. Six friends A, B, C, D, E and are sitting around a roundtable facing the centre.
2. C is seated between A and B, who is to the immediate left of D.
3. If C is facing E, who is facing F.

The arrangement will be as shown below:



So, 'B' is facing F.

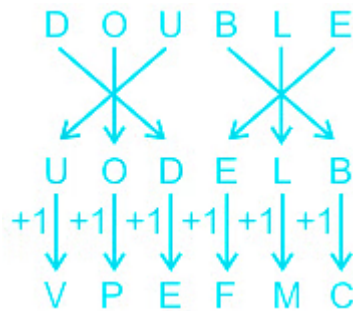
Hence, 'B' is the correct answer.

46. Answer: c

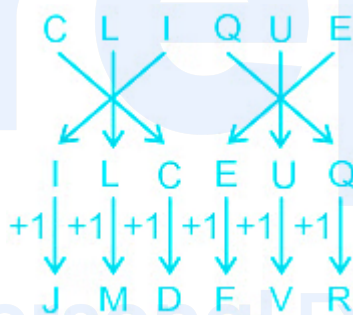
Explanation:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The pattern followed is



Similarly,



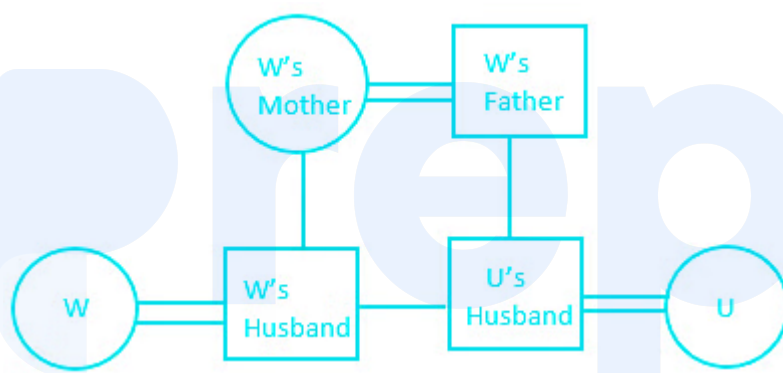
Hence, the correct answer is **JMDFVR**.

47. Answer: a

Explanation:

The best possible diagram from the given information is,

Symbol in Diagram	Meaning
○	Female
□	Male
══	Married Couple
—	Siblings
	Difference of A Generation



Hence, 'U is W's husband's brother's wife' is the correct answer.

48. Answer: d

Explanation:

Here, we use the table given below:

B	Brackets in order {}, {}, []	ब्रैकेट {}, {}, [] क्रम में
O	of	का
D	Division (+)	विभाजन (+)
M	Multiplication (x)	गुणा (x)
A	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

As per the given information:

Symbol	Mean s
+	÷
÷	-
-	×
×	+

Given expression:

$$(12 + 4 \times 2) \times 6 - 4 \div 2$$

Changing the sign as per the table:

$$(12 \div 4 + 2) + 6 \times 4 - 2$$

Apply BODMAS rule:

$$(3 + 2) + 6 \times 4 - 2$$

$$5 + 6 \times 4 - 2$$

$$5 + 24 - 2$$

$$29 - 2 = 27$$

$$(12 \div 4 + 2) + 6 \times 4 - 2 = 27$$

Hence, the correct answer is "27".

49. Answer: d

Explanation:

The logic follows here is:-

$$600 \div 5 = 120,$$

$$120 \div 4 = 30,$$

$$30 \div 3 = 10,$$

$$10 \div 2 = 5,$$

Similarly,

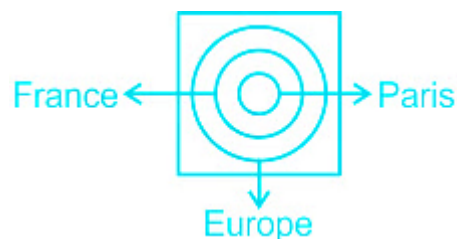
$$5 \div 1 = 5$$

Thus, the correct answer is "5".

50. Answer: a

Explanation:

The Venn diagram that best represents the relationship between Europe, Paris and France is shown below:



France is in Europe and Paris is in France.

Hence, ' **option 1** ' is the correct answer.

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