Prepp

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	UPTET
IBPS RRB	IBPS CLERK	IES	UPSC CAPF
SSC Stenogr..	RRB NTPC	SSC GD	RBI GRADE B
RBI Assistant	DSSSB		

SSC GD Constable 2022 (English) Prev. Year Paper (13-Jan-2023) (Shift 3)

Total Time: 1 Hour   **Total Marks:** 160

Instructions

SI No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General Intelligence and Reasoning	20	40	0.5	2
2	General Knowledge and General Awareness	20	40	0.5	2
3	Elementary Mathematics	20	40	0.5	2
4	English	20	40	0.5	2

1.) A total of 60 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.

General Intelligence and Reasoning

1. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

(+2, -0.5)

STATEMENTS:

A. All pencils are sticks.

B. Some sticks are notes.

C. All diaries are notes.

CONCLUSIONS:

I. Some notes are diaries.

II. Some sticks are pencils.

III. Some diaries are sticks.

   a. Only conclusion II follows.

   b. Only conclusion III follows.

   c. Both conclusions I and II follow.

   d. Both conclusions I and III follow.

---

2. Select the number from among the given options that can replace the question mark (?) in the following series.

(+2, -0.5)

120, 121, 128, 141, 160, ?

   a. 190

b. 198

c. 180

d. 185

3. 'A + B' means 'A is the brother of B'   (+2, -0.5)

'A - B' means 'A is the mother of B'

'A × B' means 'A is the husband of B'

'A ÷ B' means 'A is the sister of B'

If P ÷ Q - R + S - T × U, then which of the following statements is NOT correct?

a. R is T's mother's brother.

b. P is the mother-in-law of U.

c. Q is the mother of S.

d. P is R's mother's sister.

4. Select the option figure that is embedded in the given figure (rotation is NOT allowed).   (+2, -0.5)

a.

b.

c.

d.

---

5. Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below. **(+2, -0.5)**

a.

b.

c.

d.

---

6. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. **(+2, -0.5)**

FWCD, HQEF, JKGH, ?, NYKL

a. GRXJ

---

b. LEIJ

c. GTBP

d. LDGB

---

7. Select the correct combination of mathematical signs to replace the * signs and balance the given equation. (+2, −0.5)

176 * 4 * 9 * 3 * 13 * 14

a. ÷, +, −, ×, =

b. −, ×, +, ÷, =

c. +, −, ÷, ×, =

d. ×, +, ÷, −, =

---

8. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster. (+2, −0.5)

PJE : RNK :: DHN : FLT :: AMS : ?

a. DQY

b. CQY

c. CQZ

d. CRY

---

9. Which two signs should be interchanged to make the below equation mathematically correct? **(+2, -0.5)**

   25 + 8 ÷ 40 – 20 × 25 = 10

   a. ÷ and ×

   b. + and ÷

   c. + and ×

   d. – and +

10. Six students are sitting around a circular table facing the centre. James is sitting second to the right of Peter. Charles is sitting second to the left of Peter. Sam is sitting third to the right of James. Tom is sitting second to the right of Sam. Ashley is an immediate neighbour of Charles and James. Who is sitting between Ashley and Tom? **(+2, -0.5)**

    a. James

    b. Peter

    c. Charles

    d. Sam

11. Which of the following numbers will replace the question mark (?) in the given series? **(+2, -0.5)**

    29, 65, 95, 119, ?, 149, 155

    a. 137

    b. 143

c. 119

d. 131

---

12. Which option represents the correct order of the given words as they would appear in the English dictionary?   (+2, -0.5)

1 instant

2 invite
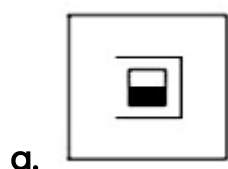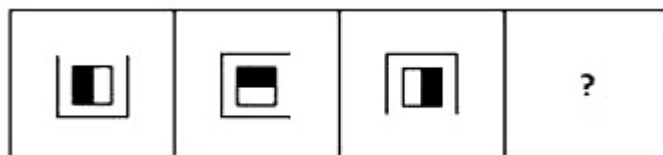
3 ingrained

4 initiate

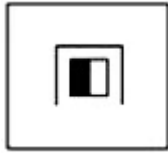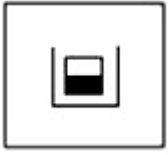5 intimate

a. 3, 5, 1, 4, 2
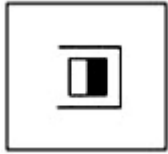
b. 3, 4, 5, 1, 2

c. 3, 4, 1, 5, 2

d. 3, 1, 5, 4, 2

---

13. Select the figure that will come next in the following series.   (+2, -0.5)

a.

b.

c.

d.

---

14. In a certain code language, 'BRAND' is written as 'DTYPF' and 'TOWER' is written as 'VMYCT'. How will 'STUDY' be written in that language? **(+2, -0.5)**

   a. URWBA

   b. UVSFA

   c. UVWFA

   d. UVWFW

---

15. Three different positions of the same dice are shown. Find the number on the face opposite the face showing '1'. **(+2, -0.5)**

   a. 6

   b. 5

c. 3

d. 2

---

16. Select the set in which the numbers are related in the same way as are the numbers of the following sets. **(+2, -0.5)**

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(14, 231, 19)

(7, 154, 15)

a. (13, 210, 17)

b. (11, 188, 13)

c. (9, 160, 15)

d. (18, 242, 20)

---

17. Which letter-cluster will replace the question mark (?) to complete the given series? **(+2, -0.5)**

BMYU, YJVR, ?, SDPL, PAMI

a. WHSO

b. VHSO

c. VGSO

d. WGSO

---

18. In a certain code language, 'TERMINATOR' is written as 'ROTANTERMI' and 'SUPERMAN' is written as 'NAMRSUPE'. How will 'AVENGERS' be written in that language?   **(+2, -0.5)**

    a. SERGAVEN

    b. SREGAVEN

    c. SREAGVEN

    d. SREGAVNE

---

19. Five friends (A, B, C, E and F) are sitting around a circular table facing the centre. F is sitting to the immediate right of C. A is sitting to the immediate left of C. E is sitting to the immediate right of F. Who is sitting to the immediate right of B?   **(+2, -0.5)**

    a. E

    b. C

    c. F

    d. A

---

20. Select the option that is related to the third word in the same way as the second word is related to the first word.   **(+2, -0.5)**

    (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Three : Triangle :: Four : ?

a. Octagon

b. Angle

c. Rectangle

d. Pentagon

General Knowledge and General Awareness

21. Fast food is often packed with fat and _____. (+2, -0.5)

   a. empty calories

   b. iron

   c. nutrients

   d. calcium

22. Identify the general formula for alkenes. (+2, -0.5)

   a. C_nH_{6n}

   b. $C_nH_{3}n$

   c. $C_nH_{4}n$

   d. $C_nH_{2}n$

23. In India, a Small-scale industry is defined with reference to the _____. (+2, -0.5)

   a. Maximum number of Directors

   b. Maximum number of partners

   c. Maximum number of Employees

   d. Maximum investment allowed on the assets of a unit.

24. Which among the following festivals is the worship of 14 Gods and is celebrated in the month of July? (+2, -0.5)

a. Bonalu

b. Losar

c. Kharchi Puja

d. Tripureshwari

---

25. When was the initial 10 Fundamental Duties added to the Constitution of India? (+2, -0.5)

a. 1955

b. 1976

c. 1947

d. 1985

---

26. Which Schedule of the Constitution of India deals with Union, State and Concurrent lists? (+2, -0.5)

a. 11th

b. 7th

c. 9th

d. 5th

---

27. India lies in which part of Asia? (+2, -0.5)

a. South Asia

b. North Asia

c. East Asia

d. West Asia

---

28. Who among the following hosted the 2019 South Asian Games? (+2, -0.5)

   a. India

   b. Nepal

   c. Sri Lanka

   d. Pakistan

---

29. What is power, the most visible form of energy, which is often identified (+2, -0.5)
   with progress in modern civilization, commonly called?

   a. fossil fuel

   b. electricity

   c. oil

   d. coal

---

30. In which year was the first edition of the Khelo India School Games held? (+2, -0.5)

   a. 2014

   b. 2020

   c. 2018

d. 2019

---

31. A co-operative bank in India, is registered under the States _____ Act.   **(+2, -0.5)**

   a. Minorities

   b. Cooperative Societies

   c. Companies

   d. Industries

---

32. A telecommunication industry includes satellites, closed computer networks and _____.   **(+2, -0.5)**

   a. induction cookers

   b. tube wells

   c. air conditioners

   d. wireless networks

---

33. What happens at the inter tropical convergence zone?   **(+2, -0.5)**

   a. The southwest and northwest trade winds converge

   b. The southwest and northwest trade winds diverge

   c. The southeast and northeast trade winds converge

   d. The southeast and northwest trade winds converge

---

34. As of November 2022, who is the Union Minister for Food Processing Industries in India?   **(+2, -0.5)**

a. Hardeep Singh Puri

b. Nityanand Rai

c. Pashupati Kumar Paras

d. Raj Kumar Singh

---

35. Chang Lo tribal dance is performed by the Chang tribe of _____.   (+2, -0.5)

a. Chhattisgarh

b. Nagaland

c. Goa

d. Madhya Pradesh

---

36. Name of the three of the following is often used together as a group. Pick the odd one out.   (+2, -0.5)

a. Dada Bhai Naoroji

b. Bipin Chandra Pal

c. Lala Lajpat Rai

d. Bal Gangadhar Tilak

---

37. Who holds the honour of being the Tirumala Tirupati Devastanam's Astana Nartaki?   (+2, -0.5)

a. Yamini Krishnamurthy

b. Mallika Sarabhai

c. Shovana Narayan

d. Sonal Mansingh

---

38. The Startup India Initiative, launched on _ _ _ _ _ _ has rolled out several programs with the objective of supporting entrepreneurs.   (+2, -0.5)

   a. 15th January 2015

   b. 16th January 2016

   c. 14th January 2014

   d. 17th January 2017

---

39. Chaudhary Ajit Singh, who passed away in 2021, was the founder of which of the following parties?   (+2, -0.5)

   a. Rashtriya Lok Dal

   b. Samajwadi Party

   c. Bahujan Samaj Party

   d. Communist Party of India

---

40. Ashvaghosha who composed 'Buddhacharita' lived in the court of _ _ _ _ _ _.   (+2, -0.5)

   a. Kanishka

   b. Vasudeva

   c. Vasishka

   d. Sadashkana

41.   *A toy is in the form of a cone mounted on a hemisphere. The radius*   (+2, -0.5)
        of the hemisphere and that of the cone is 7 cm and height of the
        cone is 5 cm. The total surface area of the toy (take π = $\frac{22}{7}$) is
        (rounded off to two places of decimal):

   a. 2648.81 cm^2

   b. 2666.85 cm^2

   c. 497.25 cm^2

   d. 486.65 cm^2

---

42. Find the mean proportional of $(x + y)^4$ and $(x - y)^4$.   (+2, -0.5)

   a. $(x^2 - y^2)^3$

   b. $(x^2 - y^2)$

   c. $(x^2 - y^2)^2$

   d. $(x^2 - y^2)^4$

---

43. The average salary of all the workers in a factory is Rs. 3,000. Among these   (+2, -0.5)
     workers, there are 12 higher officers and their average salary is Rs.12,000.
     The average salary of the remaining workers is Rs. 2,500. The total number
     of the workers is _ _ _ _ _ _.

   a. 200

b. 204

c. 216

d. 228

---

44. The HCF of $\frac{3}{8}$, $\frac{5}{12}$ and $\frac{15}{16}$ is: (+2, -0.5)

   a. $\frac{1}{12}$

   b. $\frac{1}{24}$

   c. $\frac{1}{48}$

   d. $\frac{1}{36}$

---

45. The population of a town is increasing at 5% per annum. What will be the   (+2, -0.5)
   population of the town after 2 years, if the present population is 16000?

   a. 17960

   b. 16560

   c. 16960

   d. 17640

---

46. A sum of money compound interest annually, the principal becomes Rs   (+2, -0.5)
   30,250 in 2 years and Rs 33,275 in 3 years. Then find the principal?

   a. Rs. 23,000

   b. Rs. 26,000

c. Rs. 24,000

d. Rs. 25,000

---

47. A and B can together finish a work in 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. In how many days can A alone finish the whole work?   (+2, −0.5)

a. 60

b. 66

c. 56

d. 62

---

48. By selling goods for ₹15,000, Ramu gains ₹3,000. What is his profit percentage?   (+2, −0.5)

a. 18%

b. 25%

c. 30%

d. 20%

---

49. A, B and C together can complete a piece of work in 40/3 days. All three started working at it together and after 5 days A left. Then B and C together completed the remaining work in 17 days. Find the number of days (approximately) in which A alone can complete the total work.   (+2, −0.5)

a. 24 days

b. 29 days

c. 26 days

d. 44 days

---

50. Find the remainder when the smallest 6-digit number divisible by 12, 15 and 25 is divided by 9.   **(+2, -0.5)**

a. 3

b. 1

c. 2

d. 0

---

51. A train travels from Delhi to Dehradun at the speed of 120 km/h and from Dehradun to Delhi at the speed of 130 km/h. What is the average speed during the whole journey?   **(+2, -0.5)**

a. 127.8 km/h

b. 126.8 km/h

c. 125.4 km/h

d. 124.8 km/h

---

52. The marked price of a bedsheet is 14 percent more than its cost price. If a discount of 14 percent is given on the marked price. What is the gain or loss percent?   **(+2, -0.5)**

a. 1.44 percent gain

b. 1.96 percent loss

c. 1.64 percent gain

d. 1.82 percent loss

---

53. A single discount equivalent to successive discounts of 10%, 20% and 40% on marked price is:

(+2, -0.5)

a. $56\frac{4}{5}\%$

b. $52\frac{1}{5}\%$

c. $51\frac{4}{5}\%$

d. $48\frac{1}{5}\%$

---

54. 75% of first number is equal to 60% of second number. What is the ratio of the first number and second number?

(+2, -0.5)

a. $2 : 3$

b. $4 : 5$

c. $1 : 2$

d. $3 : 4$

---

55. Find the volume of a cone, the radius of whose base is 21 cm and height is 20 cm. Take $\pi = \frac{22}{7}$.

(+2, -0.5)

a. 8840 cm^3

b. 9204 cm^3

c. 9420 cm^3

d. 9240 cm^3

---

56. Find the mean proportional between 18 and 32.   **(+2, -0.5)**

   a. 22

   b. 24

   c. 20

   d. 25

---

57. An almirah was brought for Rs. 14,360 and Rs. 240 was spent on its   **(+2, -0.5)**
   transportation. At what price should it be sold, to gain 15%?

   a. Rs. 16,780

   b. Rs. 16,800

   c. Rs. 16,770

   d. Rs. 16,790

---

58. Ravish travelled the first 20 km of an entire distance at a speed of 12 km/h;   **(+2, -0.5)**
   the next 25 km at a speed of 10 km/h and the remaining distance at a
   speed of 15 km/h. If his overall average speed was 13.5 km/h, what was
   the distance that Ravish travelled at a speed of 15 km/h?

   a. 111.95 km

   b. 110.95 km

   c. 112.5 km

d. 113.95 km

---

59. A car covers a distance of 1080 km in 240 minutes. What is the speed of the car in m/sec?   (+2, -0.5)

   a. 70

   b. 81

   c. 55

   d. 75

---

60. Om decided to order 12 percent more millet flour for his bakery than last year. If he ordered 240 kg last year, then how much quantity of millet flour should he order this year?   (+2, -0.5)

   a. 272.2 kg

   b. 268.8 kg

   c. 252.2 kg

   d. 258.8 kg

English

61. Select the most appropriate meaning of the given idiom.   (+2, -0.5)

Hang in there

   a. A wise decision

   b. Overcoming joy

   c. Don't rake up a controversy

   d. Don't give up

---

62. Direction: Select the most appropriate ANTONYM of the given word.   (+2, -0.5)

Transient

   a. Delicate

   b. Perishable

   c. Temporary

   d. Permanent

---

63. Select the most appropriate ANTONYM of the given word.   (+2, -0.5)

Confident

   a. Cowardly

   b. Undaunted

   c. Bold

d. Carefree

---

64. Select the most appropriate meaning of the given idiom.   (+2, -0.5)

To put a spoke in one's wheel

a. To thwart someone in execution of one's design

b. To leave someone without any provision

c. To receive cold reception

d. Narrating a false story

---

65. Select the INCORRECTLY spelt word.   (+2, -0.5)

a. Necesity

b. Weather

c. Knowledge

d. Modest

---

66. Select the most appropriate synonym of the underlined word in the following sentence.   (+2, -0.5)

One should enjoy liberty with duties in mind.

a. Meal

b. Democracy

c. Statue

d. Freedom

---

67. Select the correct pair of words for the blanks in the given sentence.　(+2, -0.5)

Computer has a _ _ _ _ _ _ memory and my father prefers _ _ _ _ _ _ to digital payments.

a. cash; cash

b. cache; cash

c. cache; cache

d. cash; cache

---

68. Select the most appropriate ANTONYM of the given word.　(+2, -0.5)

Significant

a. Prominent

b. Idle

c. Distinct

d. Paltry

---

69. Direction: Select the most appropriate SYNONYM of the given word.　(+2, -0.5)

Aghast

a. Mystified

b. Inspired

   c. Pacified

   d. Horrified

---

70. Select the INCORRECTLY spelt word.   **(+2, -0.5)**

   a. Lament

   b. License

   c. Juggle

   d. Exklusive

---

71. Select the most appropriate option to fill in the blank.   **(+2, -0.5)**

   We _ _ _ _ _ _ the mathematical issue with zest and vigour.

   a. cleared up

   b. solved

   c. settled

   d. remedied

---

72. Select the most appropriate option that can substitute the underlined   **(+2, -0.5)**
segment in the given sentence. If there is no need to substitute it, select
'No substitution'.

   The farmer <u>has been work</u> since 8 a.m. today and he's not completed the
work yet.

   a. is been working

b. has been working

c. No substitution

d. had working

---

73. Select the most appropriate option to fill in the blank.   (+2, -0.5)

The garbage _ _ _ _ _ _ empties into a big bin.

a. shoot

b. should

c. shook

d. chute

---

74. The following sentence has been split into four segments. Identify the   (+2, -0.5)
segment that contains a grammatical error.

I am give / a speech on / emerging economic dynamics / in the program.

a. I am give

b. a speech on

c. emerging economic dynamics

d. in the program

---

75. Select the most appropriate option that can substitute the underlined   (+2, -0.5)
segment in the given sentence. If there is no need to substitute it, select
'No substitution'.

I went there to say goodbye to him but <u>he refuse to meet me.</u>

   a. No substitution

   b. he refused to meet me

   c. he has refused to meet me

   d. he refused in meeting me

---

76. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.   **(+2, -0.5)**

A lot of research has (1) _ _ _ _ _ _ that reptiles and amphibians are cold-blooded (2) _ _ _ _ _ _. By the term cold-blooded animals, we (3) _ _ _ _ _ _ that they cannot control their body temperature like we can. A reptile's skin is dry and scaly, (4) _ _ _ _ _ _ the skin of an amphibian is wet and smooth. Most reptiles spend much of their time (5) _ _ _ _ _ _ on land. Most amphibians live in or around water.

   Select the most appropriate option to fill in blank number 1.

   a. proved

   b. tell

   c. talked

   d. spread

---

77. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.   **(+2, -0.5)**

A lot of research has (1) _ _ _ _ _ _ that reptiles and amphibians are cold-blooded (2) _ _ _ _ _ _. By the term cold-blooded animals, we (3) _ _ _ _ _ _ that they cannot control their body temperature like we can. A reptile's skin is dry and scaly, (4) _ _ _ _ _ _ the skin of an amphibian is wet and smooth. Most reptiles spend much of their time (5) _ _ _ _ _ _ on land. Most amphibians live in or around water.

Select the most appropriate option to fill in blank number 2.

a. birds

b. animals

c. plants

d. organisms

---

78. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.   (+2, −0.5)

A lot of research has (1) _ _ _ _ _ _ that reptiles and amphibians are cold-blooded (2) _ _ _ _ _ _. By the term cold-blooded animals, we (3) _ _ _ _ _ _ that they cannot control their body temperature like we can. A reptile's skin is dry and scaly, (4) _ _ _ _ _ _ the skin of an amphibian is wet and smooth. Most reptiles spend much of their time (5) _ _ _ _ _ _ on land. Most amphibians live in or around water.

Select the most appropriate option to fill in blank number 3.

a. intent

b. express

c. designate

d. mean

79. In the following passage, some words have been deleted. Read the **(+2, -0.5)** passage carefully and select the most appropriate option to fill in each blank.

A lot of research has (1) _ _ _ _ _ _ that reptiles and amphibians are cold-blooded (2) _ _ _ _ _ _. By the term cold-blooded animals, we (3) _ _ _ _ _ _ that they cannot control their body temperature like we can. A reptile's skin is dry and scaly, (4) _ _ _ _ _ _ the skin of an amphibian is wet and smooth. Most reptiles spend much of their time (5) _ _ _ _ _ _ on land. Most amphibians live in or around water.

Select the most appropriate option to fill in blank number 4.

   a. contrary

   b. similarly

   c. conversely

   d. whereas

80. In the following passage, some words have been deleted. Read the **(+2, -0.5)** passage carefully and select the most appropriate option to fill in each blank.

A lot of research has (1) _ _ _ _ _ _ that reptiles and amphibians are cold-blooded (2) _ _ _ _ _ _. By the term cold-blooded animals, we (3) _ _ _ _ _ _ that they cannot control their body temperature like we can. A reptile's skin is dry and scaly, (4) _ _ _ _ _ _ the skin of an amphibian is wet and smooth. Most reptiles spend much of their time (5) _ _ _ _ _ _ on land. Most amphibians live in or around water.

Select the most appropriate option to fill in blank number 5.

   a. walking

b. dragging

c. jumping

d. crawling

Answers

1. **Answer: c**

Explanation:

The pattern followed here is:

STATEMENTS

A. All pencils are sticks

B. Some sticks are notes

C. All diaries are notes
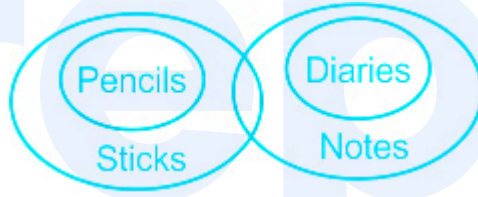
CONCLUSIONS:

1. Some notes are diaries – **Follow** – As all diaries are notes. So some notes are diaries is definitely followed.

2. Some sticks are pencils – **Follow** – As all pencils are sticks. So, Some sticks are pencils is definitely followed.

3. Some diaries are sticks – **Does not follow** – As some sticks are notes and all diaries are notes. But there is no direct relation between sticks and diaries, So it is not followed.

Hence, the correct answer is "Both Conclusion I and II follow.

---

2. **Answer: d**

Explanation:

The pattern followed here is.

Given: 120, 121, 128, 141, 160, ?
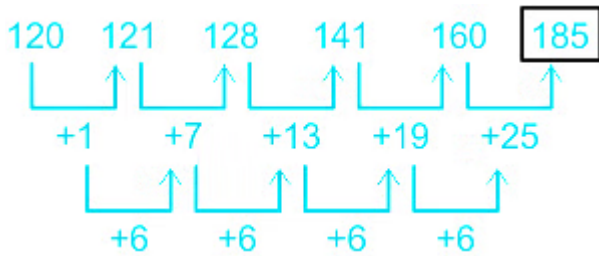
Hence, the correct answer is "185".

---

3. **Answer: b**

Explanation:

The pattern followed here is:

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

Given:

'A + B' means 'A is the brother of B'

'A – B' means 'A is the mother of B'

'A × B' means 'A is the husband of B'

'A ÷ B' means 'A is the sister of B'

P ÷ Q – R + S – T × U,
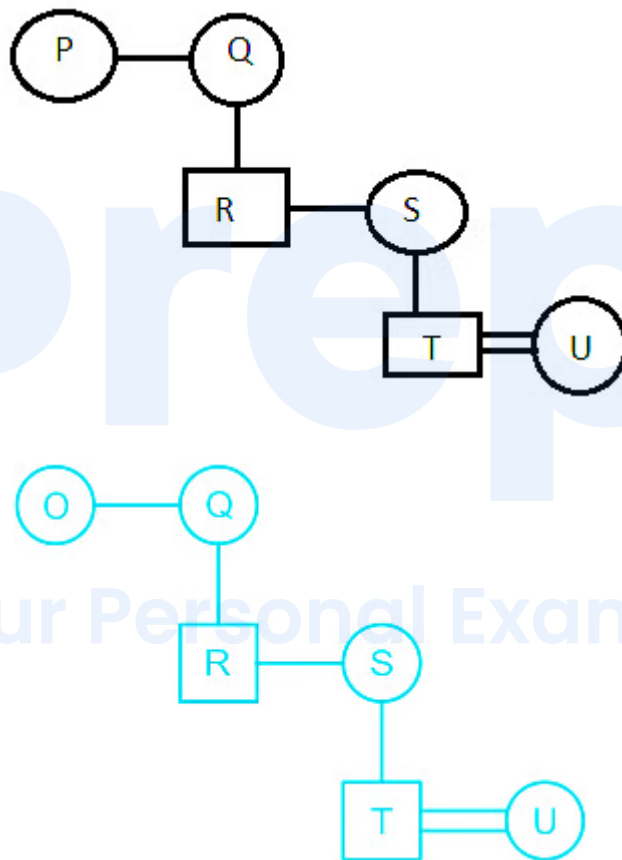
Let's check each option one by one.

1) R is T's mother's brother - Yes R is T's mother's brother.

2) P is the mother-in-low of U - No, P is grand mother-in-law of U.

3) Q is the mother of S - Yes, Q is the mother of S.

4) P is R's mother's sister - Yes, P is R's mother's sister.

Hence, the correct answer is "P is the mother-in-low of U".

---

4. **Answer: c**

Explanation:

The pattern followed here is:

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

Hence, the correct answer is **'Option 3'.**

---

5. **Answer: c**

Explanation:

The correct mirror image of the given combination when mirror is placed at PQ is as shown below:

H 3 Y 5 V N

Hence, the correct answer is "

---
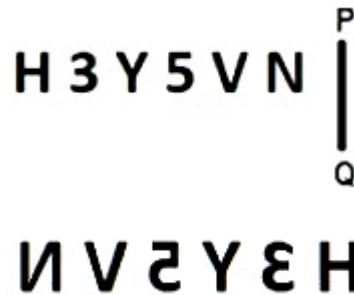
6. **Answer: b**

Explanation:

The logic followed here is:

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

Given: FWCD, HQEF, JKGH, ?, NYKL
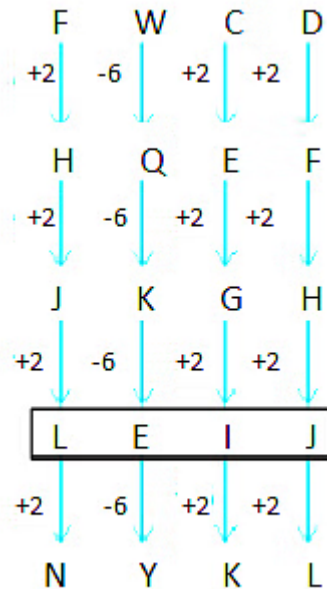
Hence, the correct answer is "NYKL"

---

7. **Answer: a**

Explanation:

The pattern followed here is:

Let's solve with the help of BODMAS Rule:

Let's check each option one by one.

1) ÷, +, −, ×, =

After putting the sign we get the;

= <u>176 ÷ 4</u> + 9 − 3 × 13 = 14

= 44 + 9 − <u>3 × 13</u> = 14

= <u>44 + 9</u> − 39 = 14

= <u>53 − 39</u> = 14

= 14 = 14

= LHS = RHS

2) −, ×, +, ÷, =

After putting the sign we get the;

= 176 − 4 × 9 + **3 ÷ 13** = 14

= 176 − **4 × 9** + 0.230 = 14

= **176** − 36 **+ 0.230** = 14

= **176.23 − 36** = 14

= 140.23 ≠ 14

= LHS ≠ RHS

3) +, −, ÷, ×, =

After putting the sign we get the;

= 176 + 4 − **9 ÷ 3** × 13 = 14

= 176 + 4 − **3 × 13** = 14

= **176 + 4** − 39 = 14

= **180 − 39** = 14

= 141 ≠ 14

= LHS ≠ RHS

4) × , +, ÷, −, =

After putting the sign we get the;

= 176 × 4 + **9 ÷ 3** − 13 = 14

= **176 × 4** + 3 − 13 = 14

= **704 + 3** – 13 = 14

= **707 – 13** = 14

= 694 ≠ 14

= **LHS ≠ RHS**

Hence, the correct answer is **"Option 1"**.

---

8. Answer: b

Explanation:

The pattern followed here is :

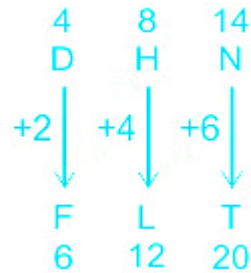| Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Logic: Addition of +2, +4, and +6 in the first, second, and third letters.

1) PJE : RNK

```
16    10    5
 P     J    E

+2 |  +4 |  +6 |
   ↓     ↓     ↓
 R     N    K
18    14    11
```

And,

2) DHN : FLT

```
   4     8    14
   D     H     N
+2 |  +4 |  +6 |
   ↓     ↓     ↓
   F     L     T
   6    12    20
```

Similarly,

3) AMS : ?

```
   A    13    19
   1     M     S
+2 |  +4 |  +6 |
   ↓     ↓     ↓
  ┌─────────────┐
  │ C     Q     Y │
  │ 3    17    25 │
  └─────────────┘
```
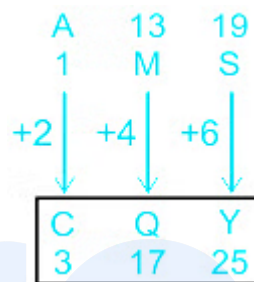
Hence, the correct answer is 'CQY'

---

9. **Answer: c**

Explanation:

The pattern followed here is.

Let's check each option one by one.

1) ÷ and ×

Given: 25 + 8 ÷ 40 − 20 × 25 = 10

After interchanging the sign we get the;

= 25 + 8 × 40 − **20 ÷ 25** = 10

= 25 + **8 × 40** − 0.8 = 10

= **25 + 320** − 0.8 = 10

= $\underline{345 - 0.8}$ = 10

= 344.2 ≠ 10

= **LHS ≠ RHS**

2) + and ÷

Given: 25 + 8 ÷ 40 – 20 × 25 = 10

After interchanging the sign we get the;

=**25 ÷ 8** + 40 – 20 × 25 = 10

= 3.125 + 40 – $\underline{20 × 25}$ = 10

= $\underline{3.125 + 40}$ – 500 = 10

= $\underline{43.125 - 500}$ = 10

= –456.876 ≠ 10

= **LHS ≠ RHS**

3) + and ×

Given: 25 + 8 ÷ 40 – 20 × 25 = 10

After interchanging the sign we get the;

= 25 × $\underline{8 ÷ 40}$ – 20 + 25 = 10

= $\underline{25 × 0.2}$ – 20 + 25 = 10

= $\underline{5}$ – 20 $\underline{+ 25}$ = 10

= $\underline{30 - 20}$ = 10

= 10 = 10

= **LHS = RHS**

4) - and +

Given: 25 + 8 ÷ 40 − 20 × 25 = 10

After interchanging the sign we get the;

= 25 − **8 ÷ 40** + 20 × 25 = 10

= 25 − 0.2 + **20 × 25** = 10

= **25** − 0.2 **+ 500** = 10

= **525 − 0.2** = 10

= 524.8 ≠ 10

= **LHS ≠ RHS**

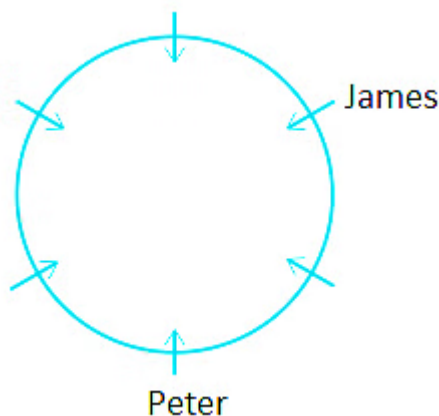Hence, the correct answer is "**Option 3**".
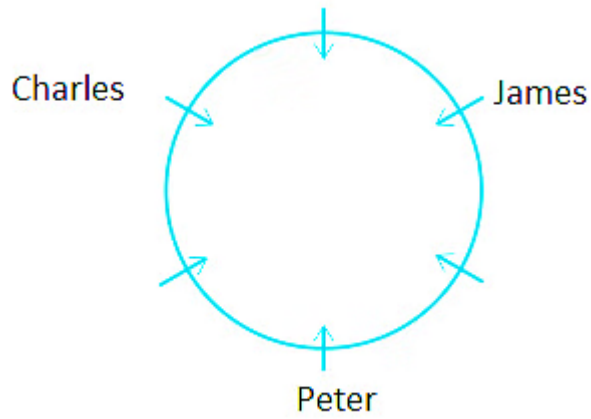
---

10. **Answer: a**

Explanation:

The pattern followed here is.

Given: Six students are sitting around a circular table facing the centre.
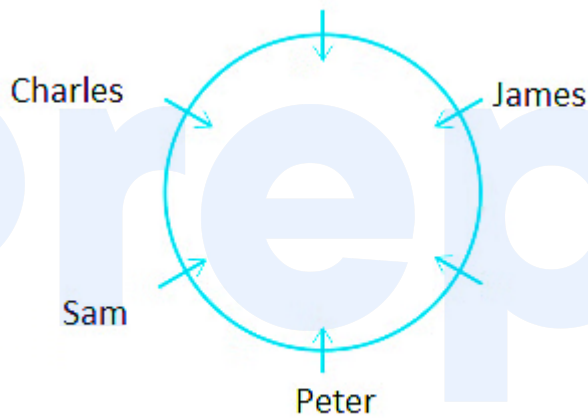
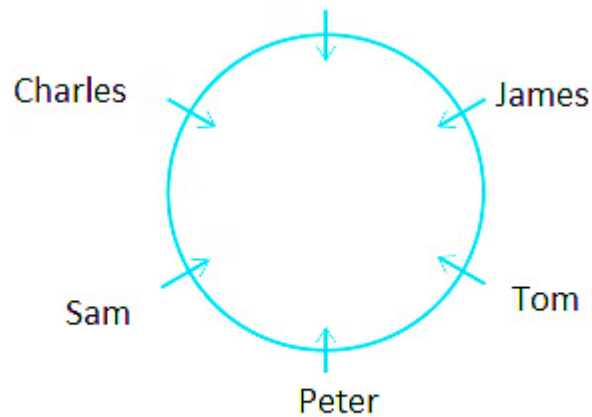1) James is sitting second to the right of Peter.

2) Charles is sitting second to the left of Peter.

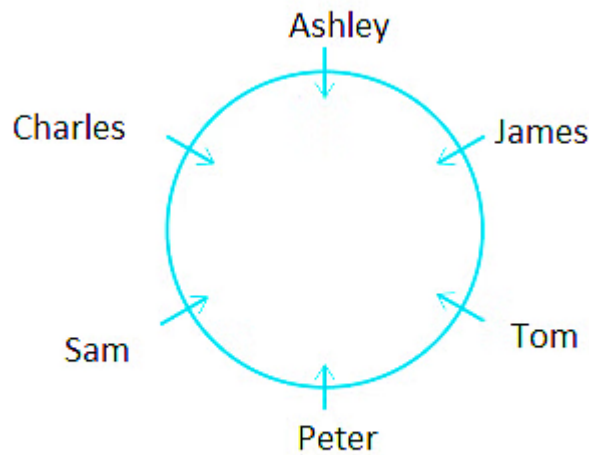3) Sam is sitting third to the right of James.

4) Tom is sitting second to the right of Sam

5). Ashely is an immediate neighbor of Charles and James.

Clearly, James is sitting between Ashley and Tom.

Hence, the correct answer is " James".

11. **Answer: a**

Explanation:

The correct pattern followed here is:

Given: 29, 65, 95, 119, ?, 149, 155
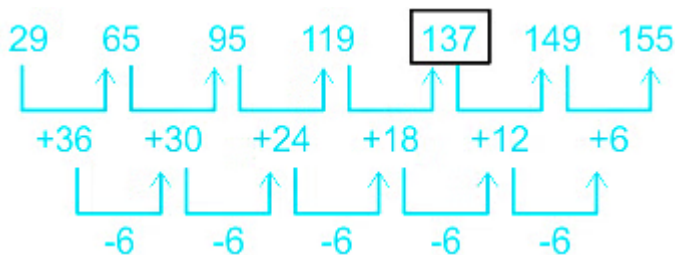
Hence, the correct answer is "137".

12. Answer: c

Explanation:

As per dictionary, the given words can be arranged as :

3 <u>ing</u>rained

4 <u>ini</u>tiate

1 <u>ins</u>tant

5 <u>int</u>imate

2 <u>inv</u>ite

Hence, the correct order will be **3, 4, 1, 5, 2.**

---

13. Answer: a

Explanation:

The pattern followed here is:

1) Given figure series is rotated 90° clock wise direction.

Rotated 90 degree Clockwise Direction

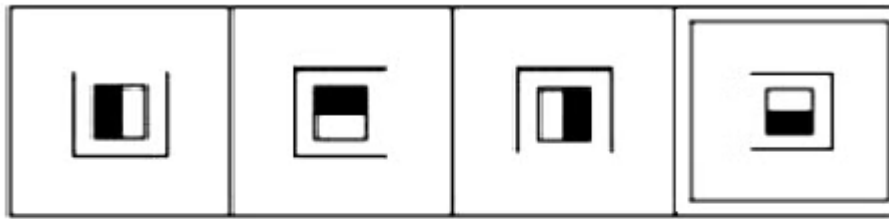Rotated 90 degree Clockwise Direction

Rotated 90 degree Clockwise Direction

Hence, the correct answer is **"Option 1"**.

---

14. **Answer: b**

Explanation:

The position of the English alphabet series is given below

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

Logic: Step 1: Addition +2 in consonants.

Step 2: Subtraction −2 in vowel.

1) 'BRAND' is written as 'DTYPF'

```
 2    18    1    14    4
 B     R    A     N    D
+2 |  +2 |  -2 |  +2 |  +2 |
   ↓     ↓     ↓     ↓     ↓
 D     T    Y     P    F
 4    20    25   16    6
```

And,

2) 'TOWER' is written as 'VMYCT'.

```
 20   15    23    5    18
 T     O     W    E     R
+2 |  -2 |  +2 |  -2 |  +2 |
   ↓     ↓     ↓     ↓     ↓
 V     M     Y    C     T
 22   13    25    3    20
```
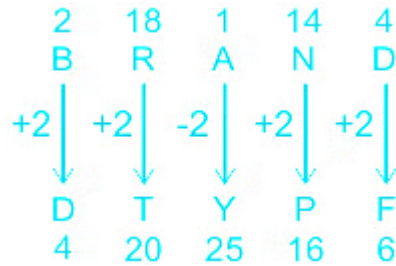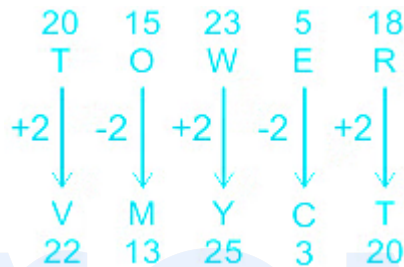
Similarly,

3) 'STUDY' is written as '?'

```
 19   20    21    4    25
 S     T     U    D     Y
+2 |  +2 |  -2 |  +2 |  +2 |
   ↓     ↓     ↓     ↓     ↓
 U     V     S    F     A
 21   22    19    6     1
```
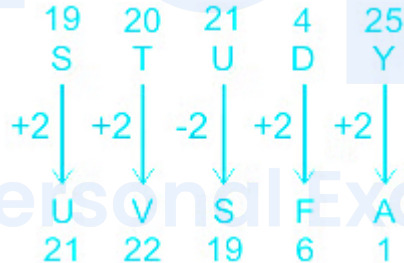
Hence, the correct answer is "UVSFA".

---

15. **Answer: b**

Explanation:

The pattern followed here is:

Taking dice position 1 as common
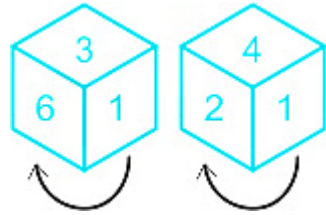
Moving clockwise from the Common number 1,

Pairs of opposite numbers.

1 – 5

6 – 2

3 – 4

So, the opposite number of 1 is 5.

Hence, the correct answer is **"5"**.

16. **Answer: a**

Explanation:

The logic followed here is:

Logic: (1st number + 3rd number) × 7 = 2nd number

Now,

For, (14, 231, 19)

⇒ (14 + 19) × 7 = 33 × 7 = 231

For, (7, 154, 15)

⇒ (7 + 15) × 7 = 22 × 7 = 154

Similarly for, (13, 210, 17)

⇒ (13 + 17) × 7 = 30 × 7 = 210

Hence, the correct answer is **"Option 1".**

---

17. **Answer: c**

Explanation:

The Pattern followed here is :

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

Given: BMYU, YJVR, ?, SDPL, PAMI
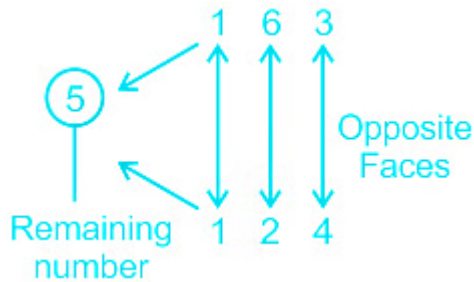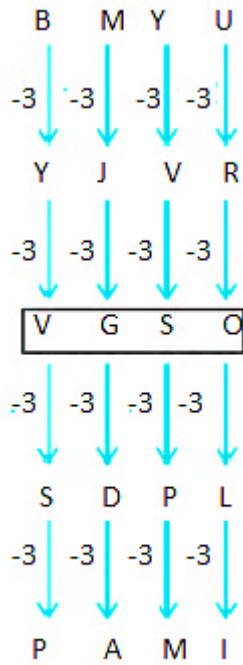
Hence, the correct answer is 'VGSO'.

---

18. **Answer: b**

Explanation:

The pattern followed here is:

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

1) 'TERMINATOR' is written as 'ROTANTERMI'

T E R M I N A T O R

R O T A N T E R M I

2) 'SUPERMAN' is written as 'NAMRSUPE'

S U P E R M A N

N A M R S U P E
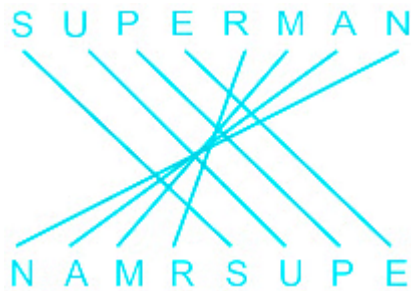
3) 'AVENGERS' IS written as "?"

A V E N G E R S

S R E G A V E N

Hence, the correct answer is 'SREGAVEN'.

19. **Answer: d**

Explanation:

The pattern followed here is:

Given: Five friends (A, B, C, E and F) are sitting around a circular table facing the centre.

1) F is sitting to the immediate right of C.
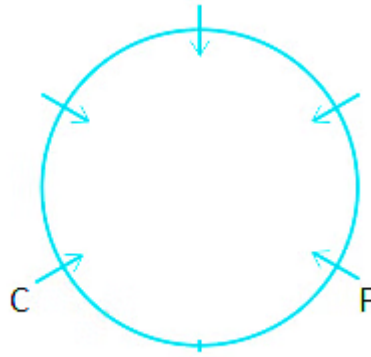
2) A is sitting to the immediate left of C.
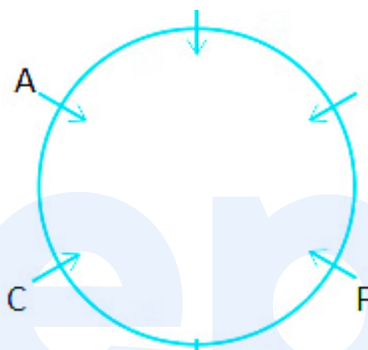
3) E is sitting to the immediate right of F.
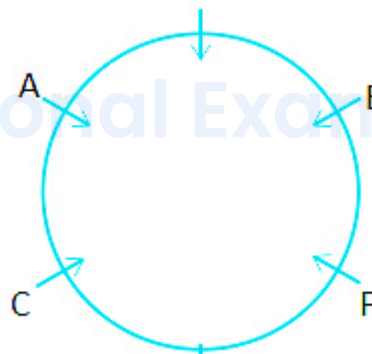
4) B sits in the vacant place.
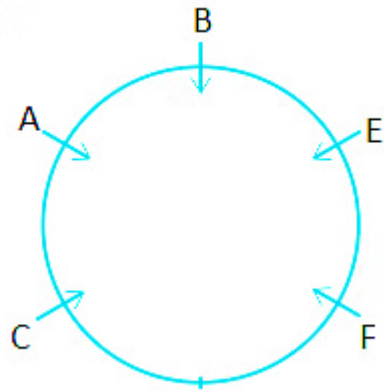
Clearly, A is sitting immediate right of B.

Hence, the correct answer is "A".

---

20. **Answer: c**

Explanation:

The relationship in "Three : Triangle" is that the word "three" describes the number of sides in a "triangle."

Simmilarly, we're looking for a shape that has four sides.

The correct word would be "Rectangle," which is a shape with four sides.

So, the relationship Three : Triangle :: Four : Rectangle holds.

The correct answer is 3) Rectangle.

---

21. **Answer: a**

Explanation:

The correct answer is **Empty Calories**.

⭐ <u>Key Points</u>

- **Empty Calories:**
- **"Empty calories"** refers to foods that are high in energy (calories), but low in nutritional value.
- Fast food often contains high levels of fat and sugar, which contribute to their high caloric content.
- However, these foods typically provide very few essential nutrients, such as vitamins, minerals, or fiber
- This is why they're referred to as "empty" – the calories you get from them don't bring along much beneficial nutrition.

⭐ <u>Additional Information</u>

- Iron:
  - Iron is a mineral that is crucial for our bodies.
  - It helps to transport oxygen throughout the body.
  - Some fast foods may contain iron, particularly those that include red meat or certain types of seafood.
- Nutrients:
  - Nutrients are substances needed for growth, metabolism, and for other body functions.
  - They include vitamins, minerals, carbohydrates, fats, and proteins. While fast food does contain some nutrients (like the aforementioned fats, and some proteins and carbs), it's often not high in the kind of nutrients that support good health (like fiber, vitamins, and minerals).
- Calcium:
  - Calcium is a mineral that is essential for bone health.
  - It's also important for heart, muscle, and nerve function. Some fast foods may contain calcium, particularly those that include dairy products like cheese or milkshakes.

---

22. **Answer: d**

Explanation:

The correct answer is <u>C n H2n.</u>

⭐ <u>Key Points</u>

- **C n H2 n :**
- This is the correct formula for alkenes.
- Alkenes have at least one carbon-carbon double bond in their structure.
- The double bond reduces the number of hydrogen atoms that can be attached to the carbon atoms, leading to this formula.
- An example is ethene (also known as ethylene), which has two carbon atoms and four hydrogen atoms, following the CnH_{2n} formula.

⭐ <u>Additional Information</u>

- **Alkenes** are used extensively in both **industry** and **academia** due to their reactivity and availability.
- Here are a few uses of alkenes:
- **Production of Polymers:**
  - Alkenes are used to make polymers.
  - A well-known example is the polymerization of ethene (ethylene) to form polyethene (polyethylene), a common plastic used in bags, bottles, and a wide variety of other products.
- **Production of Other Chemicals:**
  - Many chemicals are produced using alkenes.
  - For instance, via hydration, ethene can be converted to ethanol.
  - Propene can be converted to acetone, isopropyl alcohol, and other chemicals.
- **Production of Detergents:**
  - Alkenes are used in the production of detergents.
  - The process involves the addition of sulfuric acid to form alkylbenzenesulfonic acids, which are then neutralized to form alkylbenzenesulfonates, a key component of many detergents.
- **In the Pharmaceutical Industry:**
  - Alkenes are used as starting materials in the synthesis of a wide variety of pharmaceuticals.

- The double bond in alkenes can be converted into a wide variety of other functional groups, making them versatile precursors in organic synthesis.
- Fuel: Some alkenes are used in the production of high-octane fuels.

---

23. Answer: d

Explanation:

The correct answer is <u>Maximum investment allowed on the assets of a unit</u>.

⭐ <u>Key Points</u>

- In India, small-scale industries, or **Micro, Small, and Medium Enterprises (MSMEs),** are defined by how much money is invested in the business's equipment or machinery.
- This is the main way they are classified.
- Other factors like the **number of directors, partners, or employees** are not used to define these businesses.
- **Micro, Small, and Medium Enterprises (MSMEs)** are a **crucial part of the economic fabric of many countries, including India.**

⭐ <u>Additional Information</u>

- **Classification:** The categories are as follows:
- **Micro:** For the manufacturing sector, investment in plant and machinery should not exceed INR 1 crore, and annual turnover should not exceed INR 5 crores.
- **Small:** For the manufacturing sector, investment in plant and machinery should be more than INR 1 crore but not exceed INR 10 crores, and annual turnover should not exceed INR 50 crores.
- **Medium:** For the manufacturing sector, investment in plant and machinery should be more than INR 10 crores but not exceed INR 50 crores, and annual turnover should not exceed INR 250 crores.

---

24. Answer: c

Explanation:

The correct answer is <u>Kharchi Puja</u>.

⭐ <u>Key Points</u>

- Kharchi Puja:
  - Kharchi Puja is a major **Hindu festival celebrated in Tripura, India,** in the month of **July**.
  - It is dedicated to the **worship of fourteen gods,** collectively known as the **Chaturdasha Devta**.
  - The week-long festival involves ritual bathing of the **gods, followed by offerings and prayer**.

⭐ <u>Additional Information</u>

- Bonalu:
  - Bonalu is a Hindu festival of the Telangana region in India.
  - It is dedicated to Goddess Mahakali and is celebrated in the month of Ashada (July-August).
  - During the festival, women carry decorated pots on their heads and make offerings at the temple.
- Losar:
  - Losar is the Tibetan New Year festival, usually celebrated in January or February, depending on the lunar calendar.
  - It's a significant holiday in Tibetan Buddhism and includes various rituals, prayers, and cultural performances, and it often lasts for several days.
- Tripureshwari:
  - The term refers to the Tripura Sundari temple, also known as Tripureshwari temple, one of the 51 Shakti Peethas, located in Tripura, India.
  - It is dedicated to the Goddess Tripura Sundari, also known as Sati.
  - While the temple is an important pilgrimage spot and site of celebration during major Hindu festivals, it is not specifically tied to a festival celebrated in July.

25. **Answer: b**

Explanation:

The correct answer is <u>1976</u>.

⭐ <u>Key Points</u>

- **The initial 10 Fundamental Duties** were added to the **Constitution of India in the year 1976**, during the **42nd Amendment.**
- The concept of **Fundamental Duties** is a vital aspect of the **Indian Constitution.**
- These duties, listed in **Part IV-A of the Constitution,** are moral obligations that every citizen is expected to follow.
- They serve as a reminder that citizens not only have rights but also responsibilities towards the nation.

⭐ <u>Additional Information</u>

- Here are the original **10 Fundamental Duties** as included in the **42nd Amendment in 1976:**
    - To respect the Constitution, National Flag, and National Anthem.
    - To cherish and follow the noble ideals that inspired the national struggle for freedom.
    - To 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.
    - To preserve the rich heritage of the country's composite culture.
    - To protect and improve the natural environment.
    - 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.

- Later, an **11th duty was added by the 86th Amendment in 2002,** which related to the duty of every parent or guardian to ensure that their child or ward was provided opportunities for education between the ages of six and fourteen years.

---

26. Answer: b

Explanation:

The correct answer is 7th

⭐ <u>Key Points</u>

- **The 7th Schedule of the Constitution** of **India** deals with the **division of powers** between **the Union government and the States.**
- It contains the **Union List, State List, and Concurrent List.**
- **Union List:**
  - This includes subjects on which only the Union government can make laws.
  - These subjects pertain to national matters such as **defense, atomic energy, foreign affairs, war and peace, banking, railways, etc.**
  - There are currently **100 items on this list (originally 97).**
- **State List:**
  - This includes subjects on which only the state government can make laws.
  - These subjects are of local or regional interest, such as **police, agriculture, prisons, public health, etc.**
  - There are currently **61 items on this list (originally 66).**
- **Concurrent List:**
  - This includes subjects on which both the Union and State governments can make laws.
  - These subjects might require uniformity across the country but also **local flexibility, like bankruptcy and insolvency, marriage and divorce, bankruptcy and insolvency, education, etc.**
  - There are currently **52 items on this list (originally 47).**

⭐ **Additional Information**

- **1th Schedule:**
    - This schedule deals with the powers, authority, and responsibilities of Panchayats, the rural local self-government system in India.
    - It was added by the **73rd Amendment in 1992.**
- **9th Schedule:**
    - This schedule was added by the **1st Amendment in 1951.**
    - It includes acts and regulations of the state legislature dealing with land reforms and the abolition of the **zamindari system**.
- **5th Schedule:**
- This schedule deals with the administration and **control of Scheduled Areas and Scheduled Tribes in states other than Assam, Meghalaya, Tripura, and Mizoram.**

---

27. **Answer: a**

Explanation:

The correct answer is <u>South Asia</u>.

⭐ **Key Points**

- **South Asia:**
- This region includes countries like **India, Pakistan, Afghanistan, Sri Lanka, Bangladesh, Bhutan, Nepal, and the Maldives.**
- This region is often associated with the Indian Subcontinent.
- Countries in South Asia include:
    - **India:** The largest country in South Asia, both in terms of land area and population. India is known for its diverse cultures, religions, languages, and historical sites. It is the world's largest democracy.
    - **Pakistan:** Located west of India, it shares a long border with India. Pakistan is primarily known for its rich Muslim culture and heritage.
    - **Afghanistan:** Located to the northwest of Pakistan, Afghanistan has a significant historical and geopolitical importance due to its location on

the Silk Road.

- o **Nepal:** A landlocked country located in the Himalayas, Nepal is home to the world's highest peak, Mount Everest.
- o **Bhutan:** Also located in the Himalayas, Bhutan is known for its monasteries and for its unique philosophy of Gross National Happiness.
- o **Bangladesh:** Located on the eastern side of India, it's known for its rich Bengali culture and for being one of the world's most densely populated countries.
- o **Sri Lanka:** An island nation to the south of India, Sri Lanka is known for its beautiful beaches, biodiversity, and a rich history of over 2000 years.
- o **Maldives:** An archipelago in the Indian Ocean, the Maldives is known for its luxury resorts and coral reefs.
- South Asia is one of the most diverse regions in the world with a wide variety of ethnic groups, languages, religions, and traditions.
- It is densely populated and has significant issues with poverty and inequality, despite recent economic growth.

⭐ **Additional Information**

- **North Asia:** This region includes the **Russian parts of Asia (Siberia)** and is the **largest region of Asia.**
- **East Asia:** This region includes countries such as **China, Japan, North Korea, South Korea, Mongolia, and Taiwan.**
- **West Asia:** This region, often referred to as the **Middle East, includes countries like Saudi Arabia, Iran, Iraq, Jordan, Israel, Lebanon, and the United Arab Emirates, among others.**

---

28. **Answer: b**

Explanation:

The correct answer is **Nepal**.

⭐ **Key Points**

- **The South Asian Games** is a multi-sport event for **South Asian countries** and takes place every two years.
- The 2019 games were the 13th edition and took place from **December 1st to December 10th in Kathmandu and Pokhara, Nepal.**
- This was the **third time** that **Nepal hosted the South Asian Games, with the previous times being in 1984 and 1999.**

⭐ Additional Information

- **The 2019 South Asian Games**, officially known as **the XIII South Asian Games,** was a major multi-sport event that was held from **1st to 10th December 2019 in Kathmandu and Pokhara, Nepal.**
- This was the third time that **Nepal had hosted the biennial event, having previously done so in 1984 and 1999.**
- Participants:
  - Seven countries from South Asia participated in these games: **India, Pakistan, Sri Lanka, Bangladesh, Afghanistan, Maldives, and Bhutan, along with the host country, Nepal.**
- Sports:
  - A total of **26 sports** were contested at the **2019 South Asian Games.**
  - The games included a variety of sports such as **athletics, badminton, boxing, football, handball, swimming, volleyball, and wrestling, among others.**
- Performance:
  - India topped the medal tally, **winning a total of 312 medals, which included 174 gold, 93 silver, and 45 bronze medals.**
  - The host country, Nepal, came second with a total of **206 medals. Sri Lanka stood third with a total of 251 medals.**

---

29. **Answer: b**

Explanation:

The correct answer is electricity .

⭐ <u>Key Points</u>

- The most visible form of energy, often identified with progress in modern civilization, is commonly called **Electricity**.
- Electricity: Electricity is the flow of electrical power or charge. It's a secondary energy source that we get from the conversion of primary sources, including coal, natural gas, oil, nuclear power, and renewable sources. Electricity is synonymous with progress as it powers almost all modern technology, from lighting and heating/cooling to powering appliances and telecommunications.

⭐ <u>Additional Information</u>

- Fossil Fuel:
  - Fossil fuels are hydrocarbons, primarily coal, fuel oil, or natural gas, formed from the remains of dead plants and animals.
  - They are used for heating, electricity generation, and to power vehicles, due to their high energy content.
  - However, they are non-renewable and their use releases **carbon dioxide,** a greenhouse gas that contributes to global warming.
- Oil:
  - Oil, specifically crude oil, is a naturally occurring, unrefined petroleum product composed of hydrocarbon deposits and other organic materials.
  - It's a non-renewable resource that can be refined into different types of fuels, including gasoline, **diesel, jet fuel, heating oil, and many types of petrochemicals.**
  - Oil is also used to produce electricity.
- Coal:
- Coal is a **black or brownish-black sedimentary rock** that can be burned for fuel and used to generate electricity.
- It's one of the **largest sources of energy in the world but is a non-renewable resource and burning coal is a leading cause of smog, acid rain, and toxic air pollution.**

---

30. **Answer: c**

Explanation:

The correct answer is <u>2018</u>.

⭐ <u>Key Points</u>

- **The first edition** of the **Khelo India School Games** was held in the **year 2018**.
- **The Khelo India School Games**, now known as the Khelo India Youth Games, is a part of the Khelo India programme launched by the Ministry of Youth Affairs and Sports, **Government of India.**
- The Khelo India programme was introduced to revive the **sports culture in India** at the grassroots level by building a strong framework for all sports played in the country and to establish India as a great sporting nation.

⭐ <u>Additional Information</u>

- The first edition of the Khelo India School Games was held in New Delhi, India, from January 31st to February 8th, 2018.
- Athletes from all over the country competed in 16 different sports disciplines: **Archery, Athletics, Badminton, Basketball, Boxing, Football, Gymnastics, Hockey, Judo, Kabaddi, Kho-Kho, Shooting, Swimming, Volleyball, Weightlifting, and Wrestling.**
- The Khelo India Youth Games aim to create a platform for young athletes to compete and showcase their talent, which could further help them to represent India at international platforms.
- The programme is designed to assess the physical abilities and basic motor skills among children and youth to identify gifted children and provide them with the necessary support, mentorship and resources to further excel in their respective sports.

---

31. **Answer: b**

Explanation:

The correct answer is <u>Cooperative Societies</u>.

⭐ <u>Key Points</u>

- **Cooperative Banks in India are registered under the State Cooperative Societies Act.**
- This act provides the regulatory framework and guidelines for cooperative banks to function.
- The operations of these banks are also governed by the **Banking Regulations Act 1949 and the Reserve Bank of India.**
- These banks are aimed at **providing financial support and services to people in rural areas, particularly the agricultural sector.**
- **Cooperative banks** work on the principle of cooperation and mutual help.
- They operate on a **no-profit no-loss basis.**

⭐ <u>Additional Information</u>

Prepp
Your Personal Exams Guide

Acts	Description
Minorities Act	This act doesn't exist in the context of India's regulatory framework. However, there are various legislations and schemes aimed at the protection and welfare of minority communities.
Companies Act	The Companies Act, 2013 governs the incorporation, regulation, and winding up of companies in India. While some financial institutions are registered under this act, cooperative banks are not among them.
Industries Act	There is no specific "Industries Act" in India. However, the Industrial Disputes Act, 1947 and The Factories Act, 1948 are among the significant legislations regulating industrial activities. They have no direct connection to the operation or registration of cooperative banks.

32. Answer: d

Explanation:

The correct answer is <u>wireless networks</u>.

⭐ <u>Key Points</u>

- The **telecommunication industry** involves the **exchange of information over significant distances by electronic means.**

- Wireless networks **play a significant role in this industry as they allow devices to connect and communicate without the need for wires or cables.**
- These networks enable mobile communications, **home and business wireless networking, satellite communication, and numerous other applications.**
- Wireless networks are an essential component of the **telecommunications industry, along with other infrastructure such as satellites and computer networks.**
- Innovations in **wireless technology continue to drive growth and new developments in the telecommunications industry.**

⭐ <u>Additional Information</u>

Option	Description
Induction Cookers	Induction cookers are kitchen appliances that use induction heating for cooking. While they are electronic devices, they are not directly involved in the telecommunication industry.
Tube Wells	Tube wells are a type of water well, typically used for irrigation and other agricultural purposes. They have no relation to the telecommunications industry.
Air Conditioners	Air conditioners are devices that condition air in a defined usually enclosed area. Though they can be controlled using modern telecommunications devices in a smart home context, they themselves are not part of the telecommunications industry.

33. **Answer: c**

Explanation:

The correct answer is <u>**The southeast and northeast trade winds converge**</u>.

⭐ <u>**Key Points**</u>

- **The Intertropical Convergence Zone (ITCZ)** is a belt of **low pressure which circles the Earth generally near the equator.**
- Here, the southeast trade winds originating from the **Southern Hemisphere meet the northeast trade winds from the Northern Hemisphere.**
- These trade winds converge, or come together, at the **ITCZ causing the air to ascend.**
- This is because when these **winds meet, they have nowhere to go but up due to the surface convergence.**
- The upward movement of air leads to the formation of **clouds and precipitation, making the ITCZ** an area of high rainfall.
- The location of the **ITCZ can vary seasonally, and it significantly influences global weather patterns.**

⭐ <u>**Additional Information**</u>

Wind	Description
South-West Monsoon Winds	These winds originate from the Indian Ocean and Arabian Sea, and bring heavy rainfall to most parts of India from June to September. They are responsible for the main rainy season in India, known as the southwest monsoon season.
North-East Monsoon Winds	These are also known as the winter monsoons. They flow from the land to the sea, largely affecting the Coromandel coast and Tamil Nadu from October to December, where they bring the majority of annual rainfall.
Loo Winds	These are strong, gusty, hot, and dry winds that blow during the day over the North Indian plains from April to June. They can be harmful to humans and animals due to their extremely high temperatures and low humidity.
Western Disturbances	These are weather phenomena originating from the Mediterranean region that bring winter and pre-monsoon season rainfall to the North-Western parts of India. These are essential for the rabi crops.
Trade Winds	These are not unique to India but are global wind systems. In the Indian Ocean region, these winds are from the northeast in the Northern Hemisphere and from the southeast in the Southern Hemisphere. They contribute to the monsoon winds.

34. **Answer: c**

Explanation:

The correct answer is <u>Pashupati Kumar Paras</u>.

⭐ <u>Key Points</u>

- **Pashupati Kumar Paras** has been the **Union Minister of Food Processing Industries since November 2022.**

- He is a member of the **Janata Dal (United) party and has been a Member of Parliament since 2014.**
- He is also the **Minister of State for Animal Husbandry, Dairying and Fisheries.**

⭐ **Additional Information**

As of July 2023.

Union Minister	Ministry
Hardeep Singh Puri	Petroleum and Natural Gas
Nityanand Rai	Home Affairs
Raj Kumar Singh	Power

35. Answer: b

Explanation:

The correct answer is <u>Nagaland</u>.

⭐ **Key Points**

- **The Chang Lo dance is performed by the Chang tribe of Nagaland to celebrate victory over enemies on the battlefield.**
- Chang Lo is the tribal dance form of Nagaland.
- It is performed by the **Chang tribe of Nagaland.**
- They are doing it to celebrate their victory over enemies.

⭐ **Additional Information**

State	Dance
Chhattisgarh	Panthi, Raut Nacha, Karma
Nagaland	War Dance, Zeliang, Chang Lo or Sua Lua
Goa	Dekhnni, Fugdi, Corridinho
Madhya Pradesh	Matki, Bhagoria, Ahiri

36. **Answer: a**

Explanation:

The correct answer is <u>Dada Bhai Naoroji</u>.

⭐ <u>Key Points</u>

- The reason is, **Bipin Chandra Pal, Lala Lajpat Rai, and Bal Gangadhar Tilak** are often referred to as the **"Lal-Bal-Pal" triumvirate.**
- They were a group of leaders in the **Indian National Congress during the British colonial era who advocated for the Swadeshi movement, Boycott and National Education** as part of the freedom struggle.

⭐ <u>Additional Information</u>

- Dadabhai Naoroji:
  - Known as the **Grand Old Man of India, Naoroji was a Parsi intellectual, educator, and early political leader.**
  - He was a member of the Indian National Congress, and he was the f**irst Indian to become a British MP.**
  - His works focused on the **economic exploitation of India by the British.**
- Bipin Chandra Pal:
  - One of the members of the **"Lal-Bal-Pal" triumvirate, Pal was a nationalist, journalist, writer, orator, and social reformer.**
  - He was a major leader of the **Indian National Congress and he played a significant role in the Swadeshi movement.**

- Lala Lajpat Rai:
  - Lala Lajpat Rai, also part of the **"Lal-Bal-Pal" trio,** was a **prominent nationalist leader who played a crucial role in India's struggle for independence.**
  - He was known as **"Punjab Kesari"** or the Lion of Punjab.
- Bal Gangadhar Tilak:
  - Tilak, the last member of the **"Lal-Bal-Pal" triumvirate,** was a teacher, journalist, and independence activist.
  - He was given the moniker **"Lokmanya",** meaning "accepted by the people (as their leader)".
  - He was one of the first leaders of the **Indian Independence Movement and is known for his quote "Swaraj is my birthright and I shall have it".**

---

37. **Answer: a**

Explanation:

The correct answer is <u>Yamini Krishnamurthy</u>.

⭐ <u>Key Points</u>

- **Yamini Krishnamurthy** is an eminent **Indian dancer of Bharatnatyam and Kuchipudi styles.**
- She holds the unique honour of being designated as the **Asthana Nartaki (resident dancer) of the Tirumala Tirupati Devasthanam.**
- In her role as the **Asthana Nartaki, she has performed for numerous special events and festivals at the temple.**
- Her contributions to the field of dance have earned her numerous awards, including the prestigious
  - **Padma Shri in 1968**
  - **Padma Bhushan in 2001**
- With her performances, **she has brought prominence to the Indian classical dance forms on national as well as international platforms.**

⭐ <u>Additional Information</u>

Personalities	Description
Mallika Sarabhai	• Mallika Sarabhai is an accomplished Kuchipudi and Bharatnatyam dancer. • She is also a social activist and has used her art to voice societal issues. • However, she doesn't hold the title of Asthana Nartaki of the Tirumala Tirupati Devasthanam.
Shovana Narayan	• Shovana Narayan is a renowned Kathak dancer. • She has made significant contributions to this North Indian classical dance form. • However, she is not the Asthana Nartaki of the Tirumala Tirupati Devasthanam.
Sonal Mansingh	• Sonal Mansingh is a distinguished Indian classical dancer and Guru of Odissi dancing style. • She has also been a nominated member of the Rajya Sabha. • Despite her contributions, she doesn't hold the title of Asthana Nartaki of the Tirumala Tirupati Devasthanam.

38. Answer: b

Explanation:

The correct answer is 16th January 2016.

⭐ Key Points

• The Startup India Initiative was launched by the **Government of India to foster entrepreneurship and promote innovation by creating an ecosystem that is**

conducive to the growth of startups.
- It was announced on **15th August 2015** by **Prime Minister Narendra Modi** and **officially launched on 16th January 2016.**
- The initiative is based on three major pillars:
    1. Simplification and Handholding
    2. Funding Support and Incentives; and
    3. Industry-Academia Partnership and Incubation.
- Simplification involves simplifying the startup development process by **providing a single point of contact for the entire startup ecosystem, providing legal support, and fast-tracking patent examination at lower costs.**
- Funding Support and Incentives include providing **funds for high-growth startups, tax benefits for startups, and a credit guarantee fund for startups.**
- **Industry-Academia Partnership and Incubation involve creating a network of innovation hubs, startup centres, technology business incubators and research parks to provide a platform for academia, innovators, and industry to interact.**
- An important part of this initiative is to encourage entrepreneurship **among women and in rural areas to ensure equal opportunity for all and inclusive economic growth.**
- The initiative has seen **great success, with thousands of startups being recognized and receiving benefits under the program.**
- The Startup India Initiative is managed by a team from Invest India, which is the national investment promotion and facilitation agency.
- The Startup India Hub, which is a part of the initiative, **addresses the queries and provides handholding support to startups. It also assists startups in** understanding the various government norms, accessing funding, and helping them grow their business.

---

39. **Answer: a**

Explanation:

The correct answer is <u>Rashtriya Lok Dal</u>.

⭐ <u>Key Points</u>

- **Chaudhary Ajit Singh**, former Union Minister and Chief of the **Rashtriya Lok Dal (RLD) passed away** in **May 2021 due to Covid-19.**
- He was the **son of** the late **Chaudhary Charan Singh,** former Prime Minister of India.
- He began his political career as a Rajya Sabha MP in **1986.**
- He was the Union minister of industry in former Prime Minister **VP Singh**'s cabinet from **December 1989 to November 1990.**

---

40. **Answer: a**

Explanation:

The correct answer is <u>Kanishka</u>.

⭐ <u>Key Points</u>

- Ashvaghosha was a philosopher and poet who is considered India's greatest poet before Kalidasa (5th century) and the father of Sanskrit drama.
- He popularized the style of Sanskrit poetry known as kavya.
- Ashvaghosha adorned the court of Kanishka.
- He was born in Saketa in northern India.
- Though Pali language literature was popular in Buddhism, Ashvaghosha wrote in Classical Sanskrit.
- Ashvaghosha spoke at length on Mahayana (Greater Vehicle) Buddhist doctrine at the fourth Buddhist council, which he helped organize.

- Buddhacharita wrote by Ashvaghosha is an epic on the life of the Buddha.
- He also wrote Saundarananda, with the theme of conversion of Nanda, Buddha's half-brother, so that he might reach salvation.
- He is also thought to be the author of the Sutralankara.

---

41. **Answer: c**

Explanation:

Given values:

Radius of the hemisphere = 7 cm

Radius of the cone = 7 cm

Height of the cone = 5 cm

Concept:

The total surface area of the toy = curved surface area of the cone + surface area of the hemisphere

Calculation:

Curved surface area of the cone = $\pi r l$ (where l is the slant height)

⇒ Slant height, $l = \sqrt{r^2 + h^2} = \sqrt{7^2 + 5^2} = \sqrt{49 + 25} = \sqrt{74}$

⇒ Curved surface area of the cone = $(22/7) \times 7 \times \sqrt{74}$

Surface area of the hemisphere = $2\pi r^2$

⇒ Surface area of the hemisphere = $2 \times (22/7) \times 7^2$

Total surface area of the toy = curved surface area of the cone + surface area of the hemisphere

Total surface area of the toy = $(22/7) \times 7 \times \sqrt{74} + 2 \times (22/7) \times 7^2$

Total surface area of the toy = 22 × 8.602 + 2 × 22 × 7 = 497.25

Therefore, rounding off to two places of decimal, the total surface area of the toy = 497.25 cm^2.

---

42. Answer: c

Explanation:

Mean proportional of $(x + y)^4$ and $(x - y)^4$

Given values:

$(x + y)^4$ and $(x - y)^4$

Concept:

The mean proportional of two quantities a and b is $\sqrt{(a \times b)}$

Calculation:

⇒ Mean proportional = $\sqrt{((x + y)^4 \times (x - y)^4)} = (x^2 - y^2)^2$

Therefore, the mean proportional of $(x + y)^4$ and $(x - y)^4$ is $(x^2 - y^2)^2$

---

43. Answer: d

Explanation:

Given values:

Average salary of all workers = Rs. 3,000

Number of higher officers = 12

Average salary of higher officers = Rs. 12,000

Average salary of remaining workers = Rs. 2,500

Concept:

Total salary = Average salary × total number of individuals.

Also, total salary = salary of group A + salary of group B.

Calculation:

⇒ Total salary of higher officers = number of higher officers × average salary of higher officers = 12 × 12,000

⇒ Let x be the total number of workers. Therefore, total salary of all workers = x × 3,000

⇒ Total salary of remaining workers = total salary of all workers – total salary of higher officers = x × 3,000 – 12 × 12,000

⇒ As total salary of remaining workers = (x – 12) × 2,500

⇒ (x – 12) × 2,500 = x × 3,000 – 12 × 12,000

⇒ 2500x – 30000 = x × 3,000 – 144 ,000

⇒ 500x = 114000

⇒ x = 228

Hence, the total number of workers is 228.

---

44. Answer: c

Explanation:

Given fractions: 3/8, 5/12, 15/16

Concept:

HCF of fractions = HCF of numerators/LCM of denominators

Calculation:

⇒ HCF of numerators (3, 5, 15) = 1

⇒ LCM of denominators (8, 12, 16) = 48

Therefore, the HCF of the given fractions is 1/48.

---

45. **Answer: d**

Explanation:

Given values:

Present population = 16000

Annual increase rate = 5%

Time = 2 years

Concept:

Future population = present population × (1 + annual increase rate)^{time}

Calculation:

⇒ Future population = 16000 × (1 + 0.05)^2

Hence, the future population of the town after 2 years is 17640.

---

46. **Answer: d**

Explanation:

Given:

Time = 2 years

Amount = Rs. 30250

Time = 3 years

Amount = Rs. 33275

Concept Used:

Amount = $P(1 + R/100)^T$

where, P = Principal

R = rate of interest

T = Time

Calculation:

Amount = $P(1 + R/100)^T$

$30250 = P(1 + R/100)^2$ ....(i)

When T = 3 years

$33275 = P(1 + R/100)^3$ ....(ii)

Divide equation (ii) by (i), we get

$33275/30250 = (1 + R/100)$

$1331/1210 = (1 + R/100)$

$1 + 121/1210 = (1 + R/100)$

$R/100 = 121/1210$

$R/100 = 1/10$

$R = 10\%$

Put the value in equation(i)
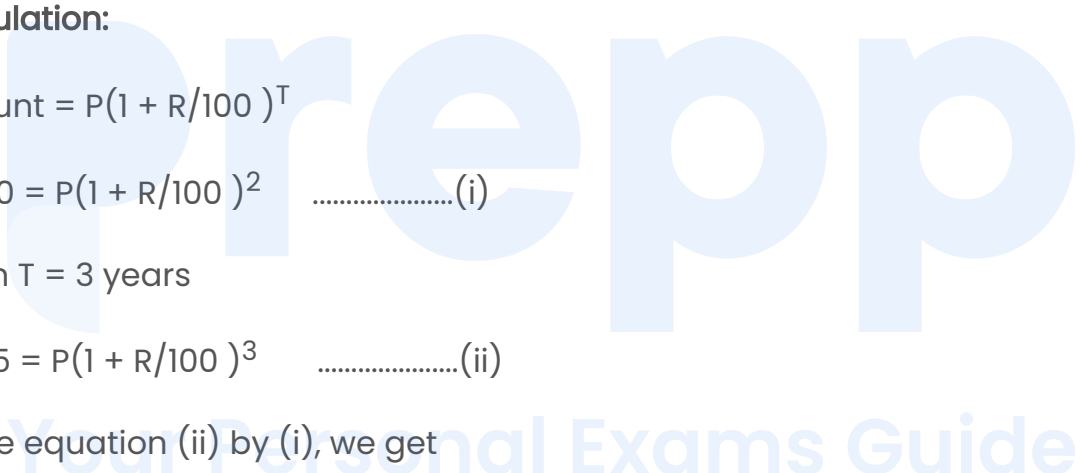
30250 = P(1 + 10/100)²

P = 30250 × 100/121

P = 25000

Therefore, the sum is Rs. 25000.

---

47. **Answer: a**

Explanation:

Given values:

A and B together finish work in 30 days

Worked together for 20 days, then B left

A worked for another 20 days

Concept: If A and B together finish work in 'a' days, A finishes alone in 'b' days and B finishes alone in 'c' days, then 1/a = 1/b + 1/c.

Calculation:

⇒ Total work done by A and B in 20 days = 20/30 = 2/3 of the work

⇒ Work done by A in the next 20 days = 1 – 2/3 = 1/3 of the work

⇒ Therefore, A alone can finish the work in 20 × 3 = 60 days.

Hence, A alone can finish the whole work in 60 days.

---

48. **Answer: b**

Explanation:

Given values:

Selling price = ₹15,000

Profit = ₹3,000

Concept: Profit percent = (Profit / Cost Price) x 100

Calculation:

⇒ Cost Price = Selling Price – Profit = ₹15,000 – ₹3,000 = ₹12,000

⇒ Profit percentage = (₹3,000 / ₹12,000) x 100

Hence, his profit percentage is 25%.

---

49. **Answer: c**

Explanation:

Given:

A, B and C together can complete a piece of work in 40/3 days

All the three started working at it together and after 5 days A left. Then B and C together completed the work in 17 more days

Formula used:

Work = Efficiency × Time

Calculation:

Let a , b and c be the efficiencies of A , B and C respectively

According to the question,

(a + b + c) × 40/3 days = (a + b + c) × 5 days + (b + c) × 17 days

40/3a + 40/3b + 40/3c = 5a + 5b + 5c + 17b + 17c

40/3a + 40/3b + 40/3c = 5a + 22b + 22c

25/3a = 26/3b + 26/3c

25/3a = 26/3(b + c)

25a = 26(b + c)

Ratio of a : (b + c) is 26 : 25

Let 25 and 26 be the efficiency of A and (B+C)

Total work = (a + b + c) × 40/3 days

= (25 + 26) × 40/3 days

= 51 × 40/3

= 680

Time taken to finish the work by A alone,

= 680/26 = 26 days (approx..)

∴ A alone can complete the total work in 26 days.

---

50. **Answer: a**

Explanation:

Given values: A number divisible by 12, 15, and 25

Concept:

The number is the least common multiple (LCM) of 12, 15, and 25. The remainder when a number is divided by 9 is the same as the remainder when the sum of its digits is divided by 9.

Calculation:

⇒ The LCM of 12, 15, and 25 is 300. The smallest 6-digit number divisible by 300 is 100200.

⇒ Sum of digits of 100200 = 1 + 0 + 0 + 2 + 0 + 0 = 3

⇒ Remainder when 3 is divided by 9 = 3

Therefore, the remainder when the smallest 6-digit number divisible by 12, 15, and 25 is divided by 9 is 3.

---

51. **Answer: d**

Explanation:

Given values:

Speed from Delhi to Dehradun = 120 km/h

Speed from Dehradun to Delhi = 130 km/h

Concept:

Average speed = Total distance / Total time

Calculation:

⇒ If we assume the distance between Delhi and Dehradun to be d km, then total distance = 2d

⇒ Time taken from Delhi to Dehradun = d / 120, and from Dehradun to Delhi = d / 130

⇒ Therefore, average speed = 2d / ((d / 120) + (d / 130))

Hence, the average speed during the whole journey is approximately 124.8 km/h.

---

52. **Answer: b**

Explanation:

Given values:

Marked price is 14% more than cost price

Discount of 14% is given on the marked price

Concept:

Selling Price = Marked Price - Discount, Gain/Loss% = ((Selling Price - Cost Price) / Cost Price) × 100

Calculation:

⇒ If we assume the cost price to be 100 units, then marked price = 114 units

⇒ Selling price = 114 - (14% of 114) = 98.04 units

⇒ Gain or loss percent = ((98.04 - 100) / 100) × 100

Therefore, there is a 1.96 percent loss.

53. **Answer: a**

Explanation:

Given:

The successive discount are 10%, 20% and 40%

Formula used:

Successive discount = X + Y - (XY) /100

Where,

X = First discount

Y = Second discount

Calculation:

Successive discount = X + Y – (XY)/100

⇒ 10 + 20 – 200/100

⇒ 28%

Now again

Successive discount = X + Y – (XY)/100

Here, X = 28% , Y = 40%

⇒ 28 + 40 – 1120/100

⇒ 68 – 11.2 = 56.8 = $56\frac{4}{5}$%

Hence, the single equivalent discount percentage is $56\frac{4}{5}$% .

---

54. **Answer: b**

Explanation:

Given values:

75% of the first number is equal to 60% of the second number

Concept:

Ratio of the first number to the second number is inverse of the ratio of given percentages.

Calculation:

⇒ Ratio of the first number to the second number = 60% / 75%

Therefore, the ratio of the first number to the second number is 4 : 5.

55. **Answer: d**

Explanation:

Given values:

Radius (r) = 21 cm

Height (h) = 20 cm

Concept: Volume of a cone = $(1/3) \times \pi \times r^2 \times h$

Calculation:

⇒ Volume = $(1/3) \times 22/7 \times (21)^2 \times 20$

⇒ Volume = 22 × 21 × 20

Hence, the volume of the cone is 9240 cm^3.

56. **Answer: b**

Explanation:

Given values:

Numbers: 18 and 32

Concept:

Mean proportional (or geometric mean) between a and b is √(ab).

Calculation:

⇒ Mean Proportional = √(18 × 32) = √576

Therefore, the mean proportional between 18 and 32 is 24.

57. **Answer: d**

Explanation:

Given values:

Cost price of the almirah = Rs. 14,360

Transportation cost = Rs. 240

Concept:

Selling price for a gain of p% = Cost price × (1 + p/100)

Calculation:

⇒ Total cost price = Rs. 14,360 + Rs. 240 = Rs. 14,600

⇒ Selling price for a gain of 15% = Rs. 14,600 × (1 + 15/100)

Hence, the almirah should be sold for Rs. 16,790 to gain 15%.

58. **Answer: c**

Explanation:

Given values:

First 20 km travelled at 12 km/h

Next 25 km travelled at 10 km/h

Remaining distance travelled at 15 km/h

Overall average speed was 13.5 km/h

Concept:

Average speed = Total distance / Total time.

Calculation:

⇒ Time taken for the first 20 km = 20 / 12 = 5/3 hours

⇒ Time taken for the next 25 km = 25 / 10 = 5/2 hours

⇒ Time taken for the remaining x km at 15 km/h = x km / 15 km/h = x/15 hours.

⇒ Using the formula for average speed: Average Speed = Total Distance / Total Time

⇒ 13.5 km/h = (20 km + 25 km + x km) / ((5/3) + (5/2) + (x/15))

⇒ 13.5 = (45 + x) / (50 + 75 + 2x/30)

⇒ 13.5 × (125 + 2x) = (45 + x) × 30

⇒ x = 112.5 km

Hence, the distance that Ravish travelled at a speed of 15 km/h was 112.5 km.

---

59. **Answer: d**

Explanation:

Given values:

Distance covered = 1080 km

Time taken = 240 minutes

Concept:

Speed = Distance / Time

Calculation:

⇒ Distance in meters = 1080 × 1000 = 1080000 meters

⇒ Time in seconds = 240 × 60 = 14400 seconds

⇒ Speed = Distance / Time = 1080000 / 14400

Therefore, the speed of the car is 75 m/sec.

---

60. Answer: b

Explanation:

Given values:

Last year's order = 240 kg

Increase in order = 12%

Concept: Quantity ordered this year = Last year's order × (1 + Increase percentage/100)

Calculation:

⇒ Quantity ordered this year = 240 × (1 + 12/100)

Therefore, Om should order 268.8 kg of millet flour this year.

---

61. Answer: d

Explanation:

The **correct answer** is: '*Option 4: Don't give up*'

⭐ <u>Key Points</u>

- **'Hang in there'** (संघर्ष करते रहना) is an encouragement idiom that means to persist or to not give up when things are difficult.

- ○ **For example:** "Even though the training was tough, her coach told her to hang in there."
- **'Don't give up'** (हार मत मानो), is the correct meaning, which conveys the message of persisting and not stopping despite difficulties.

Therefore, the **correct answer** is: '*Option 4: Don't give up*'

⭐ Additional Information

- **'A wise decision'** (एक बुद्धिमानी निर्णय) implies making a choice based on sound judgement and wisdom.
- **'Overcoming joy'** (खुशी को पार करना) could refer to subduing or managing extremely positive emotions.
- **'Don't rake up a controversy'** (विवाद नहीं उठाना) suggests not bringing up or igniting a contentious issue or topic.

---

62. **Answer: d**

Explanation:

The correct answer is 'Option 4' i.e. **'Permanent'.**

⭐ Key Points

- The given word is **'Transient'** which means lasting for only a short time; temporary.(क्षणिक)
  - ○ **For example:** A transient mood of melancholy gripped her.
- The antonym or opposite of 'Transient' is **'Permanent'** which means lasting or intended to last or remain unchanged indefinitely.(स्थायी)
  - ○ **For example:** Permanent markers are used to label personal items with your name.

Therefore, the **correct answer** is - 'Option 4' i.e. **'Permanent'.**

⭐ Additional Information

- Delicate(नाज़ुक)

- Perishable(नष्ट होनेवाला)
- Temporary (अस्थायी)

---

63. Answer: a

Explanation:

The correct answer is 'Option 1' i.e. **'Cowardly'**.

⭐ **Key Points**

- The given word is '**Confident**' which means feeling or showing confidence in oneself.(आत्मविश्वासी).
  - **For example:** She was a confident speaker at the conference.
- The antonym or opposite of 'Confident' is '**Cowardly**' which means lacking courage.(कायर).
  - **For example**: He regretted his cowardly actions years ago.

Therefore, the **correct answer** is - 'Option 1' i.e. **'Cowardly'**.

⭐ **Additional Information**

- Undaunted(निडर)
- Bold(साहसिक)
- Carefree(बेफिक्र)

---

64. Answer: a

Explanation:

The correct answer is **'Option 1'**

⭐ **Key Points**

- The idiom provided is **"To put a spoke in one's wheel"** which refers to causing difficulties for someone or thwarting someone's plan.
  - **For example:** When Jack decided to work on the project alone, his teammates decided to put a spoke in his wheel.
- The most appropriate meaning for this idiom is *"To thwart someone in the execution of one's design"*.

Therefore, the **correct answer** is - **'Option 1'**.

⭐ Additional Information

- "To leave someone without any provision" (option 2), "To receive a cold reception" (option 3), and "Narrating a false story" (option 4) do not align with the provided idiom.

---

65. **Answer: a**

Explanation:

The correct answer is 'Option 1' i.e. **'Necesity'**.

⭐ Key Points

- This question requires identifying the word that is spelled incorrectly.
- The incorrectly spelled word in this question is **'Necesity'**.
- The correct spelling of the word is **'Necessity'** (आवश्यकता) .
  - **For example:** Eating food is a necessity for survival.

Therefore, the **correct answer** is - 'Option 1' i.e. **'Necesity'**.

⭐ Additional Information

- **'Weather'** (Option 2) is spelled accurately(मौसम)
- **'Knowledge'** (Option 3) is spelled accurately(ज्ञान)
- **'Modest'** (Option 4) is spelled accurately(संकोची)

---

66. Answer: d

Explanation:

The correct answer is 'Option 4' i.e. **'Freedom'.**

⭐ **Key Points**

- In the given sentence, the underlined word is **'liberty',** which means the state of being free within society from oppressive restrictions by authorities.(स्वतंत्रता)
  - **For example:** Every citizen has the right to liberty under the law.
- The synonym of 'Liberty' that matches in this context is **'Freedom',**(आज़ादी).
  - **For example:** Freedom of expression is a fundamental human right.

Therefore, the **correct answer** is - 'Option 4' i.e. **'Freedom'.**

⭐ **Additional Information**

- Meal(भोजन)
- Democracy(लोकतंत्र)
- Statue (मूर्ति)

67. Answer: b

Explanation:

The correct answer is "Option 2: **cache; cash**".

⭐ **Key Points**

- A computer contains a **"cache"** memory which is a type of hardware or software component that stores data so that future requests for that data can be served faster.
- The sentence suggests a contrast between something technologically advanced (like a computer's cache memory) and **something traditional** (like

cash payments), which my father prefers over digital payments.

- Therefore, **"cache; cash"** is the correct pair of words to fill in the blanks contextually.

Therefore, the **correct answer** is "Option 2: **cache; cash"**.

⭐ Additional Information

- "cash; cash" and "cache; cache" would provide repetition in each case and do not offer the contrast the sentence implies.
- "cash; cache" would reverse the intended meanings and result in a sentence that does not make logical sense.

---

68. **Answer: d**

Explanation:

The correct answer is 'Option 4' i.e. **'Paltry'**.

⭐ **Key Points**

- The given word is **'Significant'** which means sufficiently great or important to be worthy of attention.(महत्वपूर्ण)
  - **For example:** This is a significant day for our nation.
- The antonym or opposite of 'Significant' is **'Paltry'** which means small or meager.(तुच्छ)
  - **For example:** He was given a paltry sum of money for his work.

Therefore, the **correct answer** is - 'Option 4' i.e. **'Paltry'.**

⭐ Additional Information

- Prominent(प्रमुख)
- Idle (खाली)
- Distinct(विशिष्ट)

---

69. **Answer: d**

Explanation:

The **correct answer** is 'Option 4' i.e. **'Horrified'**.

⭐ **Key Points**

- The given word is **'Aghast'** which means filled with horror or shock.(भौचक्का).
  - **For example:** She was aghast at the news of her friend's sudden death.
- The synonym of 'Aghast' in this context is **'Horrified'** which means filled with a feeling of horror or dismay.(भयभीत).
  - **For example:** The children were horrified by the scary stories around the campfire.

Therefore, the **correct answer** is - 'Option 4' i.e. **'Horrified'**.

⭐ **Additional Information**

- Mystified(रहस्यमई).
- Inspired(प्रेरित).
- Pacified(शांत).

70. **Answer: d**

Explanation:

The correct answer is 'Option 4' i.e. **'Exklusive'**.

⭐ **Key Points**

- The question requires identifying the word that is spelled incorrectly. The incorrectly spelled word in this question is **'Exklusive'**.
- The correct spelling of the word is **'Exclusive'**, ('विशेष')

   - **For example:** The designer released an exclusive collection for the summer.

Therefore, the **correct answer** is - 'Option 4' i.e. **'Exklusive'**.

⭐ **Additional Information**

- 'Lament' (Option 1) is spelled accurately(विलाप)
- 'License' (Option 2) is spelled accurately(लाइसेंस)
- 'Juggle' (Option 3) is spelled accurately(जगली)

---

71. **Answer: b**

Explanation:

The correct answer is "Option 2: **solved**".

⭐ **Key Points**

- When dealing with mathematical issues or problems, the appropriate verb to use is **"solved"**.
- **It implies** that the issue was dealt with successfully, which suits the context of the sentence that the problem was tackled with **"zest and vigour"**.
- The rest of the options slightly alter the intended meaning of the sentence.

Therefore, the **correct answer** is "Option 2: **solved**".

⭐ **Additional Information**

- **"Cleared up"** and **"settled"** can also be used to denote resolving an issue but their usage tends to be more common in reference to disagreements, conflicts, or misunderstandings rather than mathematical problems.
- **"Remedied"** could be used in medical or general problem-solving scenario.

---

72. **Answer: b**

Explanation:

The correct answer is "Option 2: **has been working**"

⭐ <u>Key Points</u>

- In the given sentence, the correct form of present perfect continuous tense is required.
- The verb **"work"** should be in the -ing form, thus **"has been working"** correctly expresses ongoing action in the past up until now.
- The present perfect continuous tense is generally used to express an action that started in the past and continues in the present, which is the case in this sentence: the farmer started working at 8 a.m. and is still working.

Therefore, the **correct answer** is "Option 2: **has been working**".

⭐ <u>Additional Information</u>

- **"Is been working"** is incorrect as it doesn't follow the proper structure of any English tense.
- **"Had working"** is also incorrect as it doesn't follow the proper structure of any English tense.

---

73. **Answer: d**

Explanation:

The **correct answer** is "Option 4**: chute**".

⭐ <u>Key Points</u>

- A **"chute"** is a sloping channel or slide for conveying things to a lower level which fits the context of the sentence.
- It makes perfect sense in the sentence as something that can transport garbage into a big bin.
- The sentence structure and grammar also remain intact with this choice.

Therefore, the **correct answer** is "Option 4: **chute**".

⭐ <u>Additional Information</u>

- **"Shoot"** while phonetically similar to "chute", has different meanings none of which fit appropriately in the given sentence.
- **"Should"** is a modal verb and does not fit into the structure of the sentence.
- **"Shook"** is the past tense of "shake" which also does not fit the sentence context.

---

74. **Answer: a**

Explanation:

The correct answer is "Option 1: **I am give**".

⭐ <u>Key Points</u>

- **"I am give"** is not grammatically correct. The correct structure is "I am giving".
- When describing continuous or ongoing actions, we use the present continuous tense, which requires the verb to be in the '-ing' form.
- The rest of the sentence is grammatically sound.

Therefore, the **correct answer** is "Option 1: **I am give**".

⭐ <u>Additional Information</u>

- "A speech on", "emerging economic dynamics", and "in the program" are all grammatically correct and maintain the original structure and meaning of the sentence.

---

75. **Answer: b**

Explanation:

The correct answer is **"Option 2: he refused to meet me"**.

⭐ <u>Key Points</u>

- The verb **"refuse"** must agree with its subject and the tense of the sentence.
- Given that the sentence is in the past tense (indicated by "I went there"), **"refuse"** should also be in the past tense, i.e., **"refused"**.
- The pronoun he is singular, so the verb must agree with this by taking the form "refused".

Therefore, the **correct answer** is **"Option 2: he refused to meet me"**.

⭐ <u>Additional Information</u>

- "He has refused to meet me" and "he refused in meeting me" are grammatically incorrect as per the sentence structure.

---

76. **Answer: a**

Explanation:

The correct answer is: **Option 1, "proved"**.

⭐ <u>Key Points</u>

- The term **"proved"** is the most appropriate option for this context.
- The verb **"prove"** is often used with research to denote that the research results have confirmed or validated a specific point or hypothesis.
- In this context, the research is affirming or confirming the fact that reptiles and amphibians are cold-blooded creatures. So, we say that the research has **"proved"** this fact.
- The structure of the sentence, and the term **"that"** following the blank, both signal that we need a verb which can demonstrate the result of what the research has established or confirmed.

Therefore, the **correct answer** is

⭐ <u>Additional Information</u>

- 'Option 2', **'tell',** is generally used when person or a text provides information, not when research confirms a fact, making it unsuitable in this context.
- 'Option 3', **'talked'**, is incorrect because research doesn't "talk", individuals do.
- 'Option 4', **'spread'**, is generally used to indicate the dissemination of information or disease, and doesn't fit with the context of confirming or validating a fact through research.

---

77. **Answer: b**

Explanation:

The **correct answer** is: Option 2, **"animals".**

⭐ Key Points

- The term **"animals"** is most appropriate here for classifying reptiles and amphibians. Reptiles and amphibians are large groups of animals characterised by being multi-cellular and heterotrophic, among other traits.
- The **passage is concerned with** exploring the characteristics of cold-blooded creatures and their ability to regulate body temperature. **Both reptiles and amphibians** are indeed animals and they belong to groups of animals that are classified as being cold-blooded.
- The context leading and following the blank suggests a broad group that encompasses both amphibians and reptiles, and **"animals"** suits this requirement best.

Therefore, the **correct answer** is

⭐ Additional Information

- 'Option 1', **'birds',** is incorrect because while birds are animals, not all animals are birds. Birds are typically warm-blooded, not cold-blooded.
- 'Option 3', **'plants',** is not accurate since the passage clearly distinguishes between characteristics of animals and not plants.
- 'Option 4', **'organisms',** although technically correct as reptiles and amphibians are indeed organisms, it's too vague a term for this context as it could refer to

any living entity (including microorganisms, plants, and animals). Here, the term "animals" provides a clearer classification.

78. **Answer: d**

Explanation:

The correct answer is: Option 4, **"mean"**.

⭐ **Key Points**

- The verb **"mean"** is appropriate here because it is used to define or clarify a term. In this case, the term being defined is **"cold-blooded animals."**
- **"Mean"** is often used when giving definitions or further explanations about a specific term or phrase. Here, it enables the explanation or clarification of what "cold-blooded animals" refers to.
- The verb **"mean"** followed by **"that"** is also a common structure when providing definitions or explanations for a term.

Therefore, the **correct answer** is

⭐ **Additional Information**

- 'Option 1', **'intent'**, does not fill the blank adequately because "intent" refers to a plan or aim, and doesn't work in this context where a definition or meaning is required.
- 'Option 2', **'express'**, can indicate communication or conveyance of a thought or feeling, but isn't typically used in definitions.
- 'Option 3', **'designate'**, would imply assigning a label or a name to something. Though used in categorizing or identification, it does not directly fit in this context providing a definition.

79. **Answer: d**

Explanation:

The correct answer is: Option 4, "**whereas**".

⭐ **Key Points**

- The conjunction **"whereas"** is most appropriate here as it is used to contrast two different facts or statements, in this case, the different skin types of reptiles and amphibians.
- The comparison in the sentence is between the dry and scaly skin of reptiles and the wet and smooth skin of amphibians. The use of "whereas" emphasizes this contrast effectively.
- **"Whereas"** is often used in academic and informative texts to express contrast or to compare and differentiate two things.

Therefore, the **correct answer** is

⭐ **Additional Information**

- 'Option 1', **'contrary'**, is commonly used as an adjective or a noun, and not as a conjunction to compare or contrast two statements.
- 'Option 2', **'similarly'**, is used to show agreement or likeness, while the sentences here are showing a contrast.
- 'Option 3', **'conversely'**, could also show a contrast, but it is commonly used for contrasting ideas or opinions rather than facts. It gives the nuance of showing an opposite effect or result, which isn't the case in this context.

---

80. **Answer: d**

Explanation:

The correct answer is: Option 4, **"crawling"**.

⭐ **Key Points**

- The term **"crawling"** is most appropriate for this context as it generally refers to the typical movement of most reptiles.
- The verb describes a creature moving forward on its belly or on small, short legs, a common way reptiles navigate on land.
- Given the context of the behavior of most reptiles, **"crawling"** is the natural form of locomotion that many reptiles adopt.
- Usage of **"crawling"** correlates well as most reptiles are known for close-to-the-ground movements due to their bodily structure.

Therefore, the **correct answer** is

⭐ <u>Additional Information</u>

- 'Option 1', **'walking',** typically connotes bipedal or quadrupedal locomotion elevated off the ground, which isn't standard for many reptiles. It wouldn't be used widely to describe the movement of most reptiles.
- 'Option 2', **'dragging',** implies an effortful pulling or hauling motion and isn't generally used to describe the usual movement of animals, including reptiles.
- 'Option 3', **'jumping',** is inappropriate because it requires a level of physical elevation that not all reptiles can achieve or use consistently to move around. Reptiles generally slide or crawl rather than jump.

Your Personal Exams Guide