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 2021 (English) Prev. Year Paper (07-Dec-2021) (Shift 3)

Total Time: 1 Hour : 30 Minute   **Total Marks:** 100

Instructions

SI No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General Intelligence and Reasoning	25	25	0.25	1
2	General Knowledge and General Awareness	25	25	0.25	1
3	Elementary Mathematics	25	25	0.25	1
4	English	25	25	0.25	1

1.) A total of 90 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. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.   **(+1, -0.25)**

   CHER : EJGT :: DREN : ?

   a. FTGP

   b. ESGP

   c. FTGO

   d. FSGP

---

2. Select the option which the given figure is embedded.   **(+1, -0.25)**
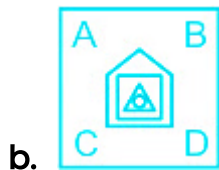
   a.

   b.

   c.

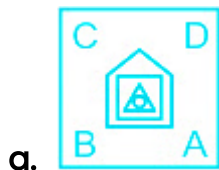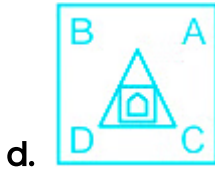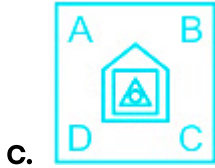
3. 'Ophthalmologist' is related to 'Eye' in the same way as 'Oncologist' is related to '_____'.   (+1, −0.25)

   a. Cancer

   b. Foot

   c. Bones

   d. Skin

---

4. Select the figure from among the given options that can replace the question mark (?) in the following series.   (+1, −0.25)

a.

b.

c.

d.

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

   23, 36, 51, 68, ?

   (+1, −0.25)

   a. 92

   b. 73

   c. 87

   d. 78

6. In a certain code language, 'FIRST' is written as 'TSRIF'. How will 'NOSTALGIC' be written in that language?

   (+1, −0.25)

   a. TSONLACIG

   b. ONTSLACIG

   c. CIGLATSON

   d. CGILTASON

7. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. **(+1, -0.25)**

a _ b _ _ c _ _ b b a c _ _ b_ a c a a b

a. a b a a b b a b

b. a c b b a b c a

c. a b a a a a a b

d. b c a a b b c c

8. Select the option in which the numbers are related in the same way as are the numbers in the given set. **(+1, -0.25)**

(7, 18, 75)

a. (5, 13, 67)

b. (24, 15, 90)

c. (11, 17, 84)

d. (3, 16, 61)

9. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series. **(+1, -0.25)**

DMGU, AJDO, XGAI, ?, RAUA

a. UDXE

b. UEXE

c. VEYE

d. VDYE

---

10. 'K % L' means 'K is the brother of L', 'K $ L' means 'K is the husband of L', 'K @ L' means 'K is the sister of L', 'K # L' means 'K is the mother of L'.

    (+1, -0.25)

    How is H related to M in the expression 'X @ P % T # M $ Y # J @ H'?

    a. Father

    b. Brother or sister

    c. Uncle

    d. Son or daughter

---

11. Six friends are sitting at equal distances from each other in a circle and facing the centre of the circle. Diraj is between Pramod and Parthiv. Priyanshu is between Mukund and Laya. Pramod and Mukund are opposite to each other. Laya is to the immediate left of Pramod. Who is sitting to the immediate left of Parthiv?
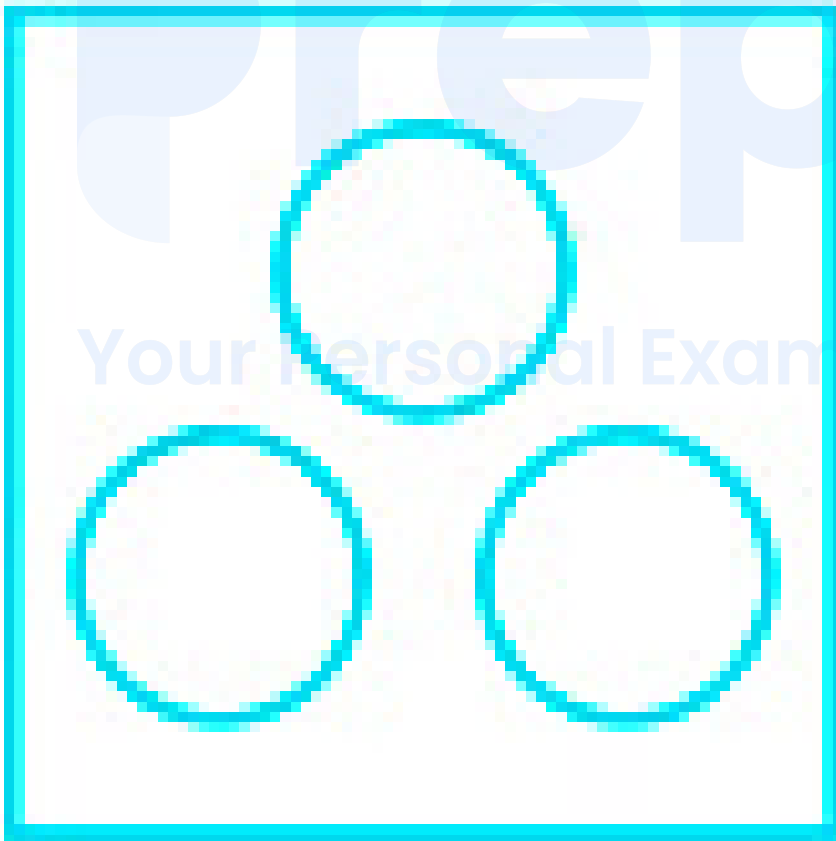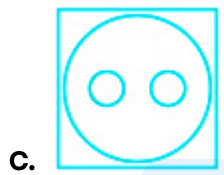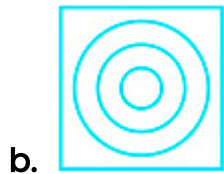
    (+1, -0.25)

    a. Diraj

    b. Pramod

    c. Priyanshu

    d. Mukund

---

12. Select the Venn diagram that best represents the relationship between the following classes.

    (+1, -0.25)

Belt, cap, Glove

a.

b.

c.

d. ×

duplicate options found. English Question 1 options 2,3

13. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure. (+1, −0.25)

a.

b.

c.

d.

14. The sum of three numbers A, B and C is 187. B is 1.5 times of A. C is twice of B. What is the value of C? (+1, −0.25)

a. 100

b. 85

c. 102

d. 99

15. A cube is made by folding the given sheet. In the cube so formed, select the number that will be on the face opposite the face showing the number '5'   **(+1, –0.25)**

2	7
5	
4	

6	9

a. 6

b. 4

c. 9

d. 7

16. If 'East' is known as 'West', 'West' is known as 'North', 'North' is known as 'South' and 'South' is known as 'East', then in which direction does the sun rise in India?   **(+1, –0.25)**

a. North

b. East

c. South

d. West

17. In a certain code language, 'FEAST' is coded as '9842223'. How will 'CLOSE' be coded in that language?   **(+1, –0.25)**

a. 61518208

b. 61518228

c. 71618228

d. 71618208

---

18. If '+' means '÷', '−' means '+', '×' means '−', and '÷' means '×', then what is the value of the given expression? **(+1, −0.25)**

85 − 55 ÷ 75 + 25 × 50

a. 150

b. 200

c. 250

d. 300

---

19. Five persons, A, B, C, D and E, are sitting in a line facing towards the west. A and B are sitting together. C is sitting at the south-end and D is sitting at the north-end. E is sitting between B and C. Who is sitting at the third position from the south? **(+1, −0.25)**

a. A

b. C

c. E

d. B

---

20. Select the option that is related to the third number in the same way as the second number is related to the first number. **(+1, −0.25)**

12 : 144 :: 15 : ?

a. 250

b. 200

c. 125

d. 225

---

21. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different. **(+1, −0.25)**

a. OXS

b. GPL

c. IRM

d. LUP

---

22. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded ? **(+1, −0.25)**

a.

b.

c.

d.

---

23. Select the number from among the given options that can replace the question mark (?) in the following series. (+1, −0.25)

6, 11, 20, 37, 70, ?

a. 135

b. 130

c. 145

d. 140

---

24. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary (+1, −0.25)

1. Commander

2. Command

3. Commandment

4. Commemorate

5. Commandant

a. 2, 5, 1, 3, 4

b. 2, 5, 3, 4, 1

c. 2, 5, 1, 4, 3

d. 3, 5, 1, 4, 2

---

25. Read the given statements and conclusions carefully. Assuming that the   (+1, -0.25)
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.

Statements:
1. All threads are pins.
2. Some pins are cushions.

Conclusions:
I. Some cushions are pins.
II. Some pins are threads.

a. Only conclusion II follows

b. Both conclusions I and II follow

c. Either conclusion I or II follows

d. Only conclusion I follows

General Knowledge and General Awareness

26. Which of the following nations hosted the first Asian Games in 1951?   (+1, -0.25)

   a. Japan

   b. Philippines

   c. India

   d. Indonesia

---

27. Which of the following Upvedas is associated with Rig Veda?   (+1, -0.25)

   a. Dhanurveda

   b. Ayurveda

   c. Gandharvaveda

   d. Shilpveda

---

28. Which of the following is NOT a property of income to be used to   (+1, -0.25)
compare two or more societies?

   a. Purchasing power parity

   b. Employment

   c. Per capita income

   d. Equitable distribution of income

---

29. Which of the following hill stations is located in the Middle Himalayas?   (+1, -0.25)

    a. Kemmangundi

    b. Kodaikanal

    c. Munnar

    d. Darjeeling

---

30. A person weighs 60 kg on the ground. When his weight is measured in a lift moving vertically upwards with uniform acceleration then the weight of the person will: **(+1, −0.25)**

    a. measure greater than 60 units

    b. not change

    c. measure less than 60 units

    d. become zero

---

31. Who is the author of the book 'Obama: The Call of History'?   **(+1, −0.25)**

    a. Peter Baker

    b. Margaret Atwood

    c. Manmohan Singh

    d. Harper Lee

---

32. Marco Polo came to India between 1292-1294 from _____.   **(+1, −0.25)**

    a. Venice

b. Bristol

c. Paris

d. Lisbon

---

33. As per the biennial 'India State of Forest Report (ISFR)' 2019, area-wise _____ has the largest forest cover in the country.   (+1, −0.25)

   a. Tamil Nadu

   b. Madhya Pradesh

   c. Karnataka

   d. Uttar Pradesh

---

34. Which of the following tribes celebrates the 'Kail Polud' festival?   (+1, −0.25)

   a. Naga

   b. Meena

   c. Bhil

   d. Kodava

---

35. Local government bodies for the urban areas are known as _____.   (+1, −0.25)

   a. Council of States

   b. Zilla Parishads

    c. Panchayat Samitis

    d. Municipalities

---

36. With which of the following sports was Diego Maradona associated?   **(+1, -0.25)**

    a. Tennis

    b. Hockey

    c. Football

    d. Cricket

---

37. Which of the following instruments is used to detect and record   **(+1, -0.25)**
earthquakes?

    a. Seismograph

    b. Ammeter

    c. Chronometer

    d. Barograph

---

38. In which of the following cities is the corporate office of North East Small   **(+1, -0.25)**
Finance Bank located?

    a. Guwahati

    b. Agartala

    c. Imphal

d. Shillong

---

39. Kalhana was an author who wrote a Sanskrit poem about the kings of _ _ _ _ _.   (+1, −0.25)

a. Kashmir

b. Delhi

c. Vijayanagar

d. Mewar

---

40. In 2020, Vijaynagara became the 31st district of which of the following states?   (+1, −0.25)

a. Andhra Pradesh

b. Telangana

c. Kerala

d. Karnataka

---

41. As of November 2020, who among the following was the President of the International Olympic Committee?   (+1, −0.25)

a. Jacques Rogge

b. Lord Killanin

c. Thomas Bach

d. Juan Antonio Samaranch

---

42. In which Indian state are the rivers Tirap and Noa located? **(+1, -0.25)**

    a. Himachal Pradesh

    b. Goa

    c. Arunachal Pradesh

    d. Sikkim

---

43. Which of the following is the traditional dress worn by the men and women of Kashmir? **(+1, -0.25)**

    a. Rikutu Gamcha

    b. Fanek

    c. Mesh sheet

    d. Pheran

---

44. The Chola inscriptions describe land gifted for a school as _ _ _ _ _. **(+1, -0.25)**

    a. tirunamattukkani

    b. shalabhoga

    c. pallichchhandam

    d. vellanvagai

---

45. Which of the following forms the seed coat of a seed? **(+1, -0.25)**

a. Zygote

b. Integument

c. Embryo

d. Hilum

---

46. The 15 th G20 Summit held virtually in November 2020 was hosted by _____. (+1, −0.25)

a. India

b. Saudi Arabia

c. Brazil

d. France

---

47. Which of the following statements is true? (+1, −0.25)

a. The Constituent Assembly elected Dr. BR Ambedkar as its permanent Chairman on 11 December 1946.

b. The Constitution of India was handwritten in English and Hindi.

c. The Constitution of India was framed by a Constituent Assembly set up under the Hunter Commission.

d. 26 August is observed as 'Samvidhan Divas' in India.

---

48. Who among the following is the author of the book 'My Country My Life'? (+1, −0.25)

a. LK Advani

    b. Pranab Mukherjee

    c. Anna Hazare

    d. Somnath Chatterjee

---

49. In which year was the Economic Survey of India presented as a part of Union Budget for the first time in India?   **(+1, −0.25)**

    a. 1949-50

    b. 1952-53

    c. 1950-51

    d. 1947-48

---

50. The first Indo-Pacific Trilateral dialogue, held virtually on 9 September 2020, was between India, France, and _____.   **(+1, −0.25)**

    a. The UK

    b. The US

    c. Germany

    d. Australia

Elementary Mathematics

51. A sum of Rs. x is divided among A, B and C such that the ratio of the shares of A and B is 3 : 4 and the ratio of the shares of A and C is 5 : 8. If the difference between the shares of B and that of C is Rs. 312, then the value of x will be:

(+1, −0.25)

    a. Rs. 4,602

    b. Rs. 4,524

    c. Rs. 4,680

    d. Rs. 4,446

52. A shopkeeper blends two varieties of tea, one costing Rs. 320 per kg and another costing Rs. 240 per kg, in the ratio 9 : 11. If he sells the mixture at Rs. 325.68 per kg, then his gain percentage is:

(+1, −0.25)

    a. 16.8%

    b. 20%

    c. 15.3%

    d. 18%

53. Pipes A and B can empty a tank in 15 hours and 18 hours, respectively. Pipe C alone can fill the tank in 6 hours. If all the three pipes are opened together, then two-third part of the tank will be full after:

(+1, −0.25)

    a. 18 hours

    b. 12 hours

c. 15 hours

d. $22\frac{1}{2}$ hours

---

54. The cost price of two articles A and B are in the ratio 5 : 4. While selling these articles, the shopkeeper gains profit of 10% on article A and 20% on article B and the difference in the selling price is Rs. 560. The sum of the cost prices of article A and B (in Rs.) is:

(+1, −0.25)

a. 5400

b. 6300

c. 7200

d. 8100

---

55. A certain sum amounts to Rs. 4,900 in 3 years 4 months at the rate of 7.5% p.a. at simple interest. What will be the amount (in Rs.) of the same sum in $3\frac{3}{4}$ years at the rate of 8% p.a. simple interest?

(+1, −0.25)

a. 5,147

b. 5,048

c. 4,956

d. 5,096

---

56. A person deposited Rs. 8,000 in a term deposit for 1 and a half year, which gives half yearly compounded interest at a rate of 10% per annum. The compound interest will be:

(+1, −0.25)

a. Rs. 1,020.00

b. Rs. 1,261.00

c. Rs. 1,250.00

d. Rs. 1,040.00

---

57. The average height of 35 students in a group is 156 cm. If 8 students of average height 154.5 cm leave the group and 13 students of average height 158 cm join the group, then what will be the average height (in cm) of all the students now in the group?   (+1, −0.25)

a. 156.75

b. 155.62

c. 155.85

d. 156.95

---

58. A train travels at a speed of 108 km/h and another train at a speed of 25 m/sec. The ratio of speed of first train to that of the second train is: (+1, −0.25)

a. 7 : 6

b. 6 : 5

c. 7 : 5

d. 5 : 4

---

59. The marked price of an article is Rs. 760. During off season, it is sold for Rs. 722. Determine the discount percentage on the article.   (+1, −0.25)

a. 8%

b. 5%

c. 4%

d. 6%

---

60. When Rs. 176 is divided in the proportion 1 : 4 : 6, what is the difference   **(+1, −0.25)**
    between the largest share and the smallest share (in Rs.)

    a. 80

    b. 16

    c. 96

    d. 64

---

61. The value of $7\frac{7}{15} \div \frac{4}{9} of \left(4\frac{7}{10} + 5\frac{1}{5}\right) + \left(\frac{2}{3} - \frac{4}{11}\right)$ is :   **(+1, −0.25)**

    a. 1

    b. 5

    c. 2

    d. 10

---

62. Let x be the greatest number of six digits which when divided by 5, 6, 7, 8   **(+1, −0.25)**
    and 9, leaves the remainders 4, 5, 6, 7, and 8, respectively. What is the
    sum of the digits of x?

    a. 41

    b. 47

c. 44

d. 43

---

63. A shopkeeper sold an article for Rs. 1716, after allowing a 12% discount on its marked price. If he had NOT allowed any discount, he would have earned a profit of 25%. what is the cost price (in Rs.) of the article?

(+1, −0.25)

a. 1650

b. 1270

c. 1720

d. 1560

---

64. Four cubes each of side 8 cm, are placed together end to end in a row. What is the total surface area (in cm^2) of the solid so formed?

(+1, −0.25)

a. 1728

b. 512

c. 1152

d. 1536

---

65. The ratio between the present ages of A and B is 4 : 5 After 10 years, the ratio between their ages will be 5 : 6 The difference between their present ages is:

(+1, −0.25)

a. 7 years

b. 5 years

c. 8 years

d. 10 years

---

66. The area of the base of a right circular cone is 81π cm ^{2} and its height is 18 cm. Its slant height is:

    (+1, −0.25)

    a. $15\sqrt{5}$ cm

    b. $9\sqrt{5}$ cm

    c. 21 cm

    d. 24 cm

---

67. A certain sum amounts to Rs. 6655 at 10% p.a. in 3 years. The compound interest on the same sum will amount to Rs. x at 1.5 times the earlier rate in 2 years. If the interest is compounded annually in both cases, what is the value of x?

    (+1, −0.25)

    a. 1000

    b. 1725.75

    c. 1516.25

    d. 1612.50

---

68. The average age of students of a class is 16.8 years. The average age of the boys in the class is 18.4 years and that of the girls is 16.4 years, Find the ratio of the number of boys to the number of girls in the class.

    (+1, −0.25)

    a. 3 : 2

b. 1 : 4

c. 2 : 3

d. 4 : 1

---

69. If the manufacturer gains 12%, the wholesale dealer gains 15% and the retailer 20%, then find the cost of production of a table (correct to one decimal place), the retail price of which is Rs. 1,245.   (+1, −0.25)

a. Rs. 800

b. Rs. 1,004.6

c. Rs. 805.5

d. Rs. 735.6

---

70. Honey and Junnu together can finish a certain work in 20 days. Honey having worked for 12 days, Junnu finished the remaining work alone in 36 days. In how many days can Junnu finish the whole work alone?   (+1, −0.25)

a. 62

b. 45

c. 60

d. 54

---

71. The value of 5 ÷ 8 of 2 − 10 ÷ 5 of 8 + 6 ÷ 15 × (7 − 4) of 2 − 2 is: (+1, −0.25)

a. $\frac{43}{22}$

b. $\frac{197}{80}$

c. $\frac{37}{80}$

d. $\frac{1}{16}$

---

72. The difference between a number and its one-third is 520. What is 20% of   (+1, −0.25)
    that number?

    a. 165

    b. 280

    c. 156

    d. 172

---

73. The LCM and HCF of two numbers are 210 and 5, respectively. If one of the   (+1, −0.25)
    numbers is 30, then what is the other number?

    a. 42

    b. 190

    c. 30

    d. 35

---

74. Two trains running in opposite direction on parallel tracks, at the speed of   (+1, −0.25)
    48 km/h and 52 km/h, take 27 seconds to cross each other. If the lenght
    of one train is 350 m then find the length (in metres) of the other train?

    a. 425

---

b. 390

c. 400

d. 375

75. Sarita expected 720 marks but got 675 marks. She got 5% less marks than what she had expected. How many marks should she score to obtain 90% marks?   (+1, -0.25)

a. 990

b. 810

c. 1100

d. 900

English

76. Select the most appropriate SYNONYM of the given word.   (+1, -0.25)

Opinion

   a. Fact

   b. Proof

   c. Truth

   d. Idea

---

77. Select the option that can be used as a one-word substitute for the given   (+1, -0.25)
group of words.

The practice of persuading someone to do something by using force or
threats

   a. Roughness

   b. Cruelty

   c. Coercion

   d. Despise

---

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

Venture

   a. Neglect

   b. Guard

c. Attempt

d. Protect

---

79. Select the INCORRECTLY spelt word.   (+1, -0.25)

a. Prankster

b. Frawdster

c. Gangster

d. Trickster

---

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

The road was / wide and shading / by rows of / tall trees.

a. by rows of

b. tall trees

c. wide and shading

d. The road was

---

81. The following sentence has been divided into parts. One of them may   (+1, -0.25)
contain an error. Select the part that contains the error from the given
options. If you don't find any error, select 'No error' as your answer.

She is one of / the tallest girl / in the school.

a. No error

b. She is one of

c. in the school

d. the tallest girl

---

82. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'. (+1, -0.25)

The river <u>overflew its banks</u> and flooded the village.

a. No improvement required

b. overflowed its banks

c. overflowing its banks

d. overflew it's banks

---

83. Select the most appropriate option to fill in the blank. (+1, -0.25)

It is the teacher's _ _ _ _ _ _ to decide who will participate in the competition.

a. thought

b. right

c. virtue

d. kindness

---

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

Of the two politicians, Trump and Obama, /the later / is more impressive / as an orator.

a. Of the two politicians, Trump and Obama

b. the later

c. as an orator

d. is more impressive

---

85. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.   (+1, -0.25)

This exercise <u>are quite easier</u> to do.

a. be quite easy

b. No substitution required

c. have been quite easy

d. is quite easy

---

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

A fine state of affairs

a. A punishable case

b. A pleasant situation

c. An uncanny situation

d. An unpleasant situation

87. Select the most appropriate option to fill in the blank.   (+1, -0.25)

Students will be _ _ _ _ _ _ for an interview on the basis of their score card.

    a. called

    b. asked

    c. fetched

    d. appointed

88. Select the most appropriate option that can substitute the underlined   (+1, -0.25)
segment in the given sentence. If there is no need to substitute it, select
'No substitution required'.

Some people can only cope with problems by shutting them <u>out of the
minds</u> .

    a. out of their minds

    b. No substitution required

    c. out of the mind

    d. out of his mind

89. Select the INCORRECTLY spelt word.   (+1, -0.25)

    a. Starvation

    b. Refusal

    c. Baggage

d. Equipement

---

90. Select the most appropriate ANTONYM of the given word. (+1, -0.25)

Hindrance

a. Deterrent

b. Handicap

c. Barrier

d. Advantage

---

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

For good

a. Forever

b. For a short time

c. For someone's well-being

d. Just in time

---

92. Select the most appropriate ANTONYM of the given word. (+1, -0.25)

Bold

a. Timid

b. Soft

c. Tired

d. Harsh

---

93. Select the option that can be used as a one-word substitute for the given   (+1, -0.25)
group of words.

Something that is quickly and easily set on fire and burned

a. Scorched

b. Charred

c. Inflammable

d. Blackened

---

94. Select the most appropriate option to fill in the blank.   (+1, -0.25)

A fossil normally _ _ _ _ _ _ only a portion of the deceased organism.

a. includes

b. retains

c. controls

d. maintains

---

95. Select the option that can be used as a one-word substitute for the given   (+1, -0.25)
group of words.

A geometrical figure with six sides

a. Heptagon

b. Pentagon

c. Octagon

d. Hexagon

---

96. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(+1, -0.25)

The elephant is Earth's largest (1)_____ animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2)_____ of water and enjoy showering by sucking water into their trunks and (3)_____ it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4)_____ things— especially a potential meal. The trunk alone contains about 1,00,000 different (5)_____.

   Select the most appropriate option to fill in blank no. 1.

   a. aerial

   b. arboreal

   c. aquatic

   d. land

---

97. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(+1, -0.25)

The elephant is Earth's largest (1)_____ animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2)_____ of water and enjoy showering by sucking water into their trunks and (3)_____ it all over themselves. An elephant's trunk is

actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4)_____ things— especially a potential meal. The trunk alone contains about 1,00,000 different (5)_____.

Select the most appropriate option to fill in blank no. 2.

a. fond

b. afraid

c. surprised

d. proud

---

98. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(+1, -0.25)

The elephant is Earth's largest (1)_____ animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2)_____ of water and enjoy showering by sucking water into their trunks and (3)_____ it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4)_____ things— especially a potential meal. The trunk alone contains about 1,00,000 different (5)_____.

Select the most appropriate option to fill in blank no. 3.

a. smearing

b. adjusting

c. spraying

d. arranging

99. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.   (+1, -0.25)

The elephant is Earth's largest (1)_ _ _ _ _ _ animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2)_ _ _ _ _ _ of water and enjoy showering by sucking water into their trunks and (3)_ _ _ _ _ _ it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4)_ _ _ _ _ _ things— especially a potential meal. The trunk alone contains about 1,00,000 different (5)_ _ _ _ _ _.

Select the most appropriate option to fill in blank no. 4.

    a. trumpeting

    b. grabbing

    c. organizing

    d. destroying

100. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.   (+1, -0.25)

The elephant is Earth's largest (1)_ _ _ _ _ _ animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2)_ _ _ _ _ _ of water and enjoy showering by sucking water into their trunks and (3)_ _ _ _ _ _ it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4)_ _ _ _ _ _ things— especially a potential meal. The trunk alone contains about 1,00,000 different (5)_ _ _ _ _ _.

Select the most appropriate option to fill in blank no. 5.

a. tusks

b. regions

c. muscles

d. intestines

Answers

1. **Answer: a**

Explanation:

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

The logic followed here is:

-
C   H   E   R

$+2 \quad +2 \quad +2 \quad +2$

E   J   G   T

Similarly,

-
$$D \quad R \quad E \quad N$$

$$+2 \quad +2 \quad +2 \quad +2$$

$$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$

$$F \quad T \quad G \quad P$$

Hence, '**FTGP**' is the correct answer.

---

2. **Answer: a**

Explanation:

The image embedded in given figure is as shown below:

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

Hence, ' option 1 ' is the correct answer.

---

3. **Answer: a**

Explanation:

The logic followed here is:

- 'Ophthalmologist' is related to 'Eye' → **Ophthalmologist** is a specialist in the branch of medicine concerned with the study and treatment of disorders and diseases of the **eye** .

Similarly,

- ' Oncologist' is related to '_____' → **Oncologist** is a medical practitioner qualified to diagnose and treat **Cancer** .
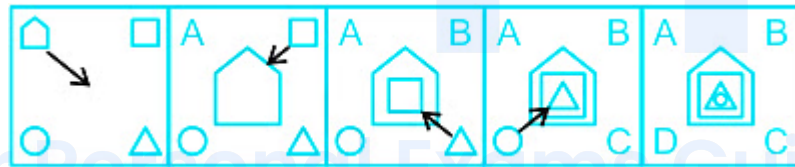
Hence, ' **Cancer** ' is the correct answer.

---

4. **Answer: c**

Explanation:

Starting from the image at north-west corner and moving in clockwise direction, we see as we move along the figure series, the images keep shifting towards the centre one by one.

So, in the '?' figure, the circle will be at the centre of the image at the centre.

Also, when pentagon shifts to the centre, it is replaced by A, and so on other images are replaced by the next alphabets in the alphabet series.
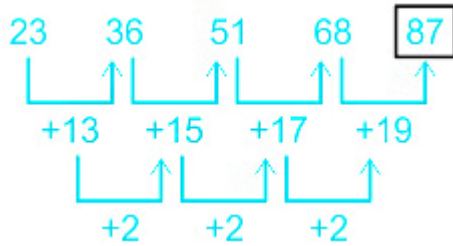

Hence, ' **option 3** ' is the correct answer.

---

5. **Answer: c**

Explanation:

The logic followed here is:

Hence, ' **87** ' is the correct answer.

---

6. Answer: c

Explanation:

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

The logic followed here is:

Letters are written from right end to left end.

- FIRST → TSRIF

Similarly,

- NOSTALGIC → CIGLATSON

Hence, ' **CIGLATSON** ' is the correct answer.

---

7. Answer: c

Explanation:

Given sequence: a _ b _ _ c _ _ b b a c _ _ b_ a c a a b

1. a b a a b b a b → a **ab** **ba** c - **ab** b b a c - **ba** b **b** a c - a a b
2. a c b b a b c a → a **a** b **cb** c - **ba** b b a c - **bc** b **a** a c - a a b
3. a b a a a a a b → a **ab** **ba** c - **aa** b b a c - **aa** b **b** a c - a a b
4. b c a a b b c c → a **bb** **ca** c - **ab** b b a c - **bc** b **c** a c - a a b

- In option 3, aabbac is repeated.

Hence, '**a b a a a a a b**' is the correct answer.

---

8. Answer: c

Explanation:

The logic followed here is:

Logic: (First Number + Second Number) × 3 = Third Number

- $(7, 18, 75) \rightarrow (7 + 18) \times 3 = 25 \times 3 = 75$

Similarly,

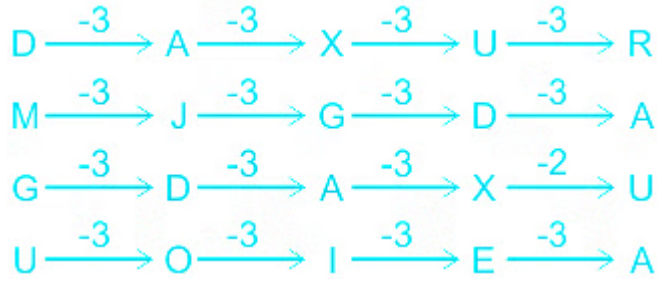- $(11, 17, 84) \rightarrow (11 + 17) \times 3 = 28 \times 3 = 84$

Hence, ' $(11, 17, 84)$ ' is the correct answer.

---

9. Answer: a

Explanation:

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

The logic followed here is:

$$D \xrightarrow{-3} A \xrightarrow{-3} X \xrightarrow{-3} U \xrightarrow{-3} R$$
$$M \xrightarrow{-3} J \xrightarrow{-3} G \xrightarrow{-3} D \xrightarrow{-3} A$$
$$G \xrightarrow{-3} D \xrightarrow{-3} A \xrightarrow{-3} X \xrightarrow{-2} U$$
$$U \xrightarrow{-3} O \xrightarrow{-3} I \xrightarrow{-3} E \xrightarrow{-3} A$$

U, O, I, E, A → Vowel series.

Hence, ' **UDXE** ' is the correct answer.

---

10. **Answer: d**

Explanation:

K is				
Symbol	%	$	@	#
Meaning	Brother	Husband	Sister	Mother
to L				

X @ P % T # M $ Y # J @ H → X is sister of P, P is brother of T, T is mother of M, M is husband of Y, Y is mother of J, J is siter of H.

By using the symbols in the table given below, we can draw the following family tree:

Symbol in Diagram	Meaning
◯	Female
▢	Male
═══	Married Couple
───	Siblings
│	Difference of a Generation

As the gender of H is not known, H is either the son or daughter of M.

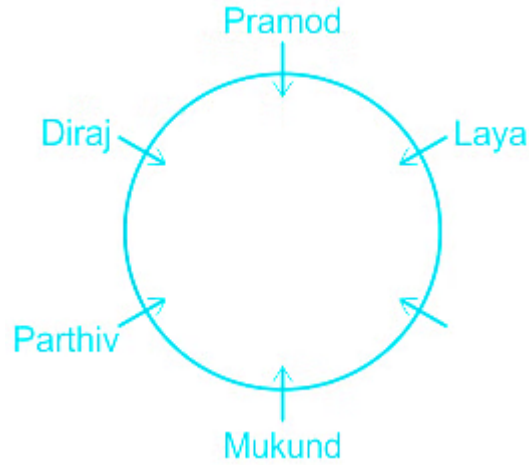Hence, '**Son or daughter**' is the correct answer.
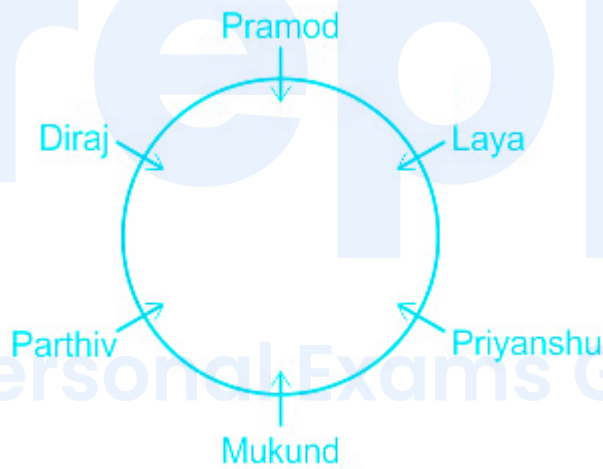
11. **Answer: a**

Explanation:

Six friends are sitting at equal distances from each other in a circle and facing the centre of the circle.

1. Pramod and Mukund are opposite to each other.

2. Laya is to the immediate left of Pramod.

3. Diraj is between Pramod and Parthiv.
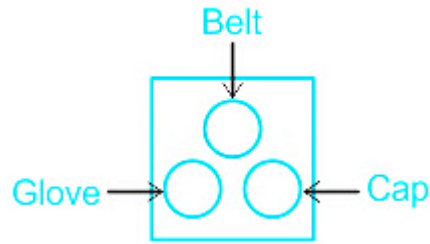

4. Priyanshu is between Mukund and Laya.

Clearly, Diraj is sitting to the immediate left of Parthiv.

Hence, ' **Diraj** ' is the correct answer.

---

12. **Answer: d**

Explanation:

The Venn diagram that best represents the relationship between Belt, cap, and Glove is shown below:

Belt is a strip of leather or other material worn, typically round the waist, to support or hold in clothes or to carry weapons.

Cap is a kind of soft, flat hat, typically with a peak.

Glove is a covering for the hand worn for protection against cold or dirt and typically having separate parts for each finger and the thumb.
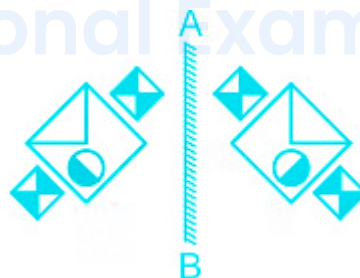
Hence, ' **option 4** ' is the correct answer.

---

13. **Answer: c**

Explanation:

The correct mirror image of the given figure when the mirror is placed to the right side of the figure is shown below:

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

---

14. **Answer: c**

Explanation:

The sum of three numbers A, B and C is 187.

A + B + C = 187 _ _ _ _ _ _ (i)

B is 1.5 times of A.

B = 1.5 × A

⇒ B ÷ 1.5 = A _ _ _ _ _ _ (ii)

C is twice of B.

C = 2B _ _ _ _ _ _ (iii)

Substituting the value of (ii) and (iii) in (i), we get:

B ÷ 1.5 + B + 2B = 187

⇒ (B + 1.5B + 3B) ÷ 1.5 = 187

⇒ 5.5B = 187 × 1.5

⇒ 5.5B = 280.5

⇒ B = 280.5 ÷ 5.5

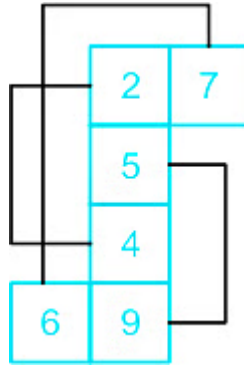⇒ B = 51

C = 2B = 2 × 51 = 102

So, the value of C is 102.

Hence, ' **102** ' is the correct answer.

---

15. **Answer: c**

Explanation:

Faces opposite to each other is shown below:

Clearly, '9' is the number that will be on the face opposite the face showing the number '5'.

Hence, ' **9**' is the correct answer.

---

16. **Answer: d**

Explanation:

If

- 'East' is known as 'West'
- 'West' is known as 'North'
- 'North' is known as 'South'
- 'South' is known as 'East'

Sun rises in the East in India and East is known as West, so Sun rises in the West in India.

Hence, ' **West** ' is the correct answer.

---

17. **Answer: b**

Explanation:

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

The logic followed here is:

-

F	E	A	S	T
↓	↓	↓	↓	↓
6	5	1	19	20
+3	+3	+3	+3	+3
9	8	4	22	23

Similarly,

-

C	L	O	S	E
↓	↓	↓	↓	↓
3	12	15	19	5
+3	+3	+3	+3	+3
6	15	18	22	8

Hence, '**61518228**' is the correct answer.

---

18. **Answer: b**

Explanation:

Given equation: 85 − 55 ÷ 75 + 25 × 50

Symbol	+	−	×	÷
Meaning	÷	+	−	×

Replacing the symbols by their meaning, we get:

85 + 55 × $\underline{75 ÷ 25}$ − 50

= 85 + $\underline{55 × 3}$ − 50

= $\underline{85 + 165}$ − 50
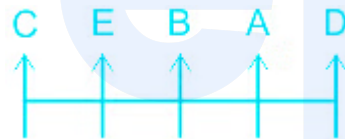
= 250 – 50

= 200

Hence, ' **200** ' is the correct answer.

---

19. Answer: d

Explanation:

Five persons, **A, B, C, D and E** , are sitting in a line facing towards the west.

1. C is sitting at the south-end and D is sitting at the north-end.

2. E is sitting between B and C.

3. A and B are sitting together.

Clearly, B is sitting at the third position from the south.

Hence, ' **B** ' is the correct answer.

---

20. Answer: d

Explanation:

The logic followed here is:

- 12 : 144 → $12^2 = 144$

Similarly,

- 15 : ? → $15^2 = 225$

Hence, ' **225** ' is the correct answer.

21. **Answer: b**

Explanation:

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

The logic followed here is:

1. OXS → O + 9 = X; X – 5 = S
2. **GPL → G + 9 = P; P – 4 = L**
3. IRM → I + 9 = R; R – 5 = M
4. LUP → L + 9 = U; U – 5 = P

Hence, '**GPL**' is the odd one out.

22. **Answer: a**

Explanation:

The paper when unfolded will appear as shown below:

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

23. **Answer: a**

Explanation:

The logic followed here is:

6 + (6 – 1) = 6 + 5 = 11

11 + (11 – 2) = 11 + 9 = 20

20 + (20 – 3) = 20 + 17 = 37

37 + (37 – 4) = 37 + 33 = 70

70 + (70 – 5) = 70 + 65 = 135

Hence, '**135**' is the correct answer.

---

24. **Answer: a**

Explanation:

The correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary is:

2. **Command**

5. **Commanda** nt

1. **Commande** r

3. **Commandm** ent

4. **Comme** morate

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

---

25. **Answer: b**

Explanation:

The least possible Venn diagram is:

Conclusions:
I. Some cushions are pins. → **Follows** (As, Some pins are cushions)
II. Some pins are threads. → Follows (As, All threads are pins)

Hence, **Both conclusions I and II follow** .

---

26. **Answer: c**

Explanation:

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

⭐ <u>Key Points</u>

- The **first Asian Games** was hosted by **India in 1951** .
- It is a continental multi-sports event **held every four years** among athletes from all over Asia.
- The motto of the Asian Games is **'Ever Onward'** .
- The first Asian Games began on **March 4, 1951, in New Delhi** .
- It is also known as **'Asiad'.**
- It was regulated by the **Asian Games Federation from 1951 to 1978** .
- Since 1982, the **Olympic Council of Asia** now regulates the Asian Games.

⭐ <u>Additional Information</u>

Country	Capital	Currency
Japan	Tokyo	Japanese yen
Philippines	Manila	Philippine peso
Indonesia	Jakarta	Indonesian rupiah

---

27. **Answer: b**

Explanation:

The correct answer is **Ayurveda**.

⭐ **Key Points**

- Ayurveda is the **Upaveda of the Rigveda** which deals with **medicine** .
- It is an alternative medicine system with historical roots in the Indian subcontinent.
- The two famous practitioners of Ayurveda in ancient India were **Charaka and Sushruta** .
- **Charak Samhita** written by **Charak** is a remarkable book on medicine.
- **Susruta Samhita** written by **Sushruta** speaks about elaborate **surgical procedures** .
- According to the **Puranas, Dhanwantari is known as the inventor of Ayurveda medicine** .

⭐ **Additional Information**

- **RigVeda**
- The **oldest religious text** in the world.
    - It is a collection of **hymns, composed around 1700 BC, contains 1,028 hymns, and is divided into 10 mandalas** .
    - The third mandala contains the **Gayatri Mantra** .
    - **Saraswati** is the deity river in Rigveda.
    - Rigveda consists of **10 Mandalas** .

- 8th Mandala is ascribed to **Kanvas and Angiras.**
- 9th Mandala is a compilation of **soma hymns** .

⭐ Important Points

- Dhanurveda
  - Dhanurveda deals with the **knowledge of archery** .
  - The Period of Dhanurveda was from **1700 to 1100 BCE** and contains references to **martial arts** .
  - The author of Dhanurveda is **Vishvamitra also known as Bhrigu** .
- Gandharva Veda
  - It deals with **Music and Dance** and is associated with the **Samveda** .
  - It is effectively used in meditation as it helps yoga transcend to the innermost level of the mind.
- Shilpveda
  - It is the Veda of establishing a relationship between a **dwelling and its dweller** .
  - It is the **Upaveda of Atharvaveda** .

---

28. **Answer: b**

Explanation:

The correct answer is **Employment.**

⭐ Key Points

- Employment is an **agreement** between an **individual and another entity** that stipulates the responsibilities, payment terms and arrangements, and rules of the workplace, and is **recognized by the government.**
- Besides, the per capita income more equitable distribution of income should be considered as one of the other properties of income to compare.
- In two or more societies this is because per capita income mainly hides the disparities in the societies as it mainly conveys the average income earned by a person.

⭐ Additional Information

- **Purchasing power parity** -PPP is an economic theory that compares currencies of different countries through a similar **"basket of goods and services".**
- **Per capita income** -Per capita income is a measure of the amount of money earned per person in a nation or geographic region.
  - It counts each **man, woman, and child, even newborn babies** , as a member of the population.
  - Per capita income is the average income of the country divided by its total population.
  - Per capita income shows the **living standards** of the people in a country.

---

29. Answer: d

Explanation:

The correct answer is **Darjeeling**.

⭐ **Key Points**

- Darjeeling is located in the **Middle Himalayas in West Bengal** .
- It is famous for the **distinctive black tea** grown on plantations that dot its surrounding slopes.
- It is also called **"Queen of the Hills"** located in North East India.
- It is famous for the **world heritage Darjeeling Himalayan Railway** .
- The area is drained by the river **Teesta** .

⭐ Additional Information

Hill Station	State
Kemmangundi	Karnataka
Kodaikanal	Tamil Nadu
Munnar	Kerala

30. **Answer: a**

Explanation:

The correct answer is <u>measure greater than 60 units</u>

<u>Concept :</u>

The apparent weight of a person inside a lift

- When the lift moves upward with acceleration a. Then the net upward force on the person is-

R – mg = ma

∴ Apparent weight, R = mg + ma = m (g + a)

So, when a lift accelerates upwards, the apparent weight of the person inside it increases.

- When the lift moves downwards with acceleration a. Then the net downward force on the person is-

Mg – R = ma

∴ Apparent weight, R = mg – ma = m (g – a)

So, when a lift accelerates downwards, the apparent weight of the person inside it decreases.

- When the lift is at rest or moving with uniform velocity v downward/upward . The acceleration a = 0, then the net force on the person is-
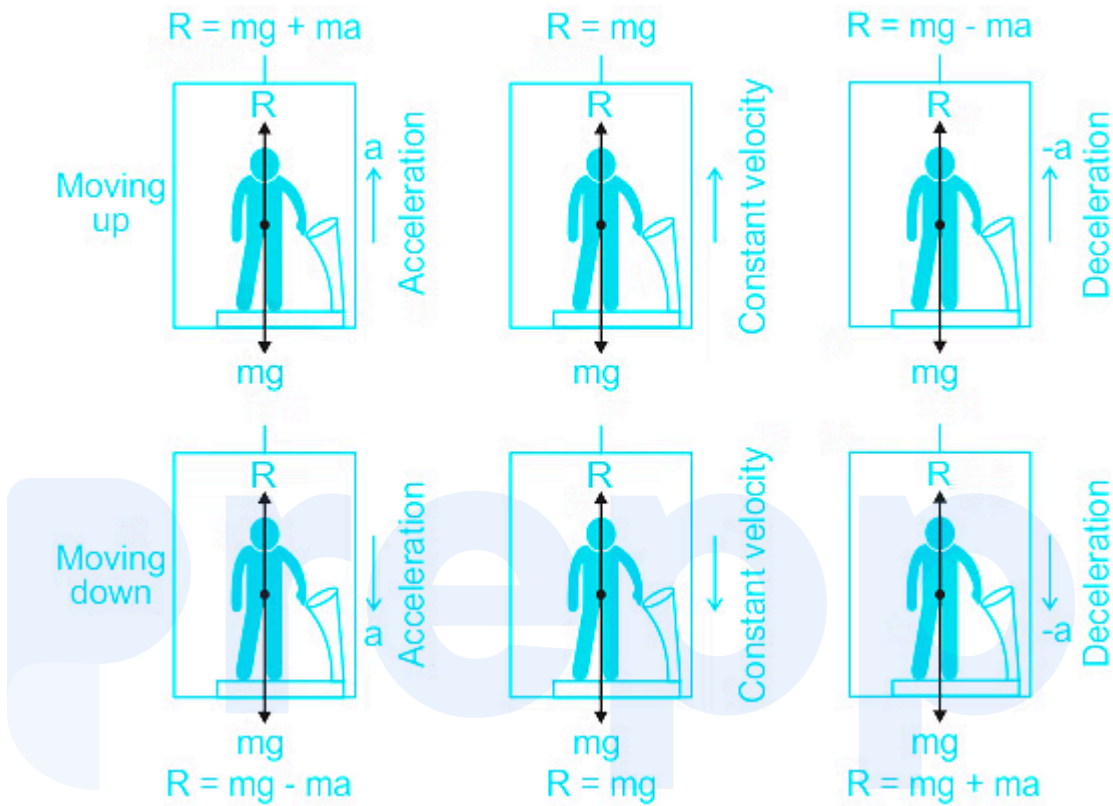
R – mg = m x 0 = 0

R = mg

∴ Apparent weight = Actual weight

- When the lift falls freely. If the supporting cable of the lift breaks, the lift falls freely under gravity. Then $a = g$. The net downward force on the person is -

$R = m(g - g) = 0$.

- Thus, the apparent weight of the man becomes zero. This is because both the man and the lift are moving downwards with same acceleration *'g'* and so there are no forces of action and reaction between the person and the lift. Hence a person develops a feeling of weightlessness when he falls freely under gravity.
- Newton's second law states that the acceleration of an object is directly related to the net force and inversely related to its mass.
    - The acceleration of an object depends on two things, force and mass.

$F = ma$

Where F = force acting on body, m = mass of body, a = acceleration.

Calculation:

Given: mass = m, a = 2g N = ?

According to Newtons 2 nd law of motion,

$\Sigma F = Ma$

$N - Mg = 3Mg$

$N = 4 Mg$

Reaction on the floor by the man is 4 mg and vertically upward in direction.

---

31. **Answer: a**

Explanation:

The correct answer is <u>**Peter Baker.**</u>

⭐ <u>**Key Points**</u>

- **Obama:** The Call of History" has been written by **Peter Baker.**
- Peter Baker is the Chief White House Correspondent for The New York Times.
- This book will give an in-depth account of former US President's Barack Obama years in office.
- **This book is published in 2017.**

THE INSIDE STORY OF THE 44TH PRESIDENT

OBAMA

THE CALL OF HISTORY

Peter Baker

Foreword by JON MEACHAM, author of *The Soul of America*

EXPANDED AND UPDATED TEXT

⭐ <u>Additional Information</u>

- Margaret Atwood .
  - Margaret Eleanor Atwood is a **Canadian poet, novelist, literary critic, essayist, teacher, and environmental activist.**
  - Some famous books written by Margaret Atwood, **are The Blind Assassin** ,**The Robber Bride** , and **Hag-seed** .
- Manmohan Singh .
  - Manmohan Singh is an **Indian politician, economist and statesman who has been the 13th prime minister of India from 2004 to 2014** .
  - Some famous book was written by Manmohan Singh, **India's economic reforms and Development ,collateral and financial Plumbing Changing India** etc .

---

32. **Answer: a**

Explanation:

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

⭐ <u>Key Points</u>

- **Marco Polo was born in 1254, in Venice, Italy.**
- He was a Venetian merchant and adventurer who travelled from **Europe to Asia from 1271–95.**
- During this period, he remained in **China for 17 years.**
- Travels of Marco Polo', is classic travel literature written by **Marco Polo itself.**
- He visited India during **1288-1292 AD under the reign of the Pandya Kingdom.**

- He travelled farther than any of his predecessors during his **24-year journey** along the Silk Road, reaching China and Mongolia, where he became a confidant of Kublai Khan.

⭐ <u>Additional Information</u>

Century	Travellers and their Country
Thirteenth-century	1254-1323 Marco Polo (from Venice, Italy)
Fourteenth-century	1304-77 Ibn Battuta (from Morocco)
Fifteenth-century	1413-82 Abd al-Razzaq Kamal al-Din ibn Ishaq al-Samarqandi (from Samarqand) 1466-72 (years spent in India), Afanasii Nikitich Nikitin (fifteenth century, from Russia)
Sixteenth-century	1518(visit to India) Duarte Barbosa , (from Portugal), died in 1521 1562 (year of death) Seydi Ali Reis (from Istanbul, Turkey) 1536-1600 Antonio Monserrate (from Spain)
Seventeenth-century	1626-31 (years spent in India) Mahmud Wali Balkhi (from Balkh) 1600-67 Peter Mundy (from England) 1605-89 Jean-Baptiste Tavernier (from Paris, France) 1620-88 François Bernier (from Paris, France)

33. **Answer: b**

Explanation:

The correct answer is<u>Madhya Pradesh.</u>

⭐ <u>Key Points</u>

- Madhya Pradesh has the largest forest cover in the country a marginal **0.03% increase** in forests compared to the previous year.
- Increased by **68.49 sq km** as compared to the previous year.
- Madhya Pradesh has the largest forest cover in the country, followed by **Arunachal Pradesh, Chhattisgarh, Odisha and Maharashtra.**
- The Forest Cover in the State is **77,482.49 sq km which is 25.14 %** of the State's geographical area.

⭐ <u>Additional Information</u>

- ISFR is a biennial publication of the Forest Survey of India (FSI), which is an organization under the Ministry of Environment Forest & Climate Change.
- In the 16th biennial assessment of 2019:
  - Total forest and tree cover is 24.56% of the geographical area of the country.
  - The Total forest cover is 7,12,249 sq km which is 21.67%.
  - The Tree cover is 2.89%.

⭐ <u>Important Points</u>

- **Forest Report 2022:**
- The report is published bi-annually and is widely regarded as one of the most important stock takes on forest ecosystems.
- The 2022 edition of SOFO explores the potential of three forest pathways for achieving green recovery and tackling multidimensional planetary crises, including climate change and biodiversity loss. Hence, statement 2 is correct.
  - Halting deforestation and maintaining forests
  - Restoring degraded lands and expanding agroforestry
  - Sustainably using forests and building green value chains

34. Answer: d

Explanation:

The correct answer is **Kodava.**

⭐ **Key Points**

- It is celebrated by the Kodava community of Kodagu district, Karnataka.
- It is also known as the festival of weapons and harvest .
- This festival is celebrated after Putthari the harvest festival .
- Kail means Armory/weapon and Podh means festivals.
- Kailpodh is celebrated in September and marks the end of the sowing season .

⭐ **Additional Information**

State	Tribes
Arunachal Pradesh	Singpho, Monpa, Abor, Sherdukpen, Galo, Apatanis
Chhattisgarh	Nagasia, Biar, Khond, Agariya, Bhattra, Mawasi, Bhaina
Madhya Pradesh	Kharia, Bhils, Murias, Birhors, Baigas, Katkari, Kol, Bharia, Khond, Gonds
Rajsathan	Bhils, Damaria, Dhanka, Meenas(Minas), Patelia, Sahariya

35. Answer: d

Explanation:

The correct answer is **Municipalities.**

⭐ **Key Points**

- **Municipalities** a town or cities have their own local government.
- A Nagar Palika or Municipality is an urban local body that administers a city with a **minimum population of 100,000 but less than 1,000,000.**
- The members of the Nagar Palika are elected representatives for a term of five years.
- The town is divided into wards according to its population, and representatives are elected from each ward.
- A chief officer, along with officers like an engineer, sanitary inspector, health officer, and education officer who come from the state public service are appointed by the state government to control the administrative affairs of the Nagar Palika.

⭐ Additional Information

- **74th Constitutional Amendment Act, 1992** provided constitutional status to local urban bodies.
- This act added a new **part IX-A** to the Constitution (Article 243-P to 243-ZG).
- The **Municipalities** ' and a **new Twelfth Schedule** containing 18 functional items for municipalities.
- The institutions under the Municipalities are of three types.
  - Nagar Panchayat , for a transitional area, i.e., an area which is being transformed from a rural area to an urban area.
  - Municipal Council for a Smaller Urban area.
  - Municipal Corporation for a larger urban area.

---

36. **Answer: c**

Explanation:

The correct answer is **Football**.

⭐ Key Points

- Diego Armando Maradona was born on **30 October 1960** .
- He was an **Argentine professional football player and manager.**

- He was one of the **two joint winners of the FIFA Player** of the 20th Century award.
- He was also called **"El Pibe de Oro"** ("The Golden Boy") .
- He was known for the **"Hand of God"** goal in which, during the **1986 World Cup quarterfinals** , he punched the ball into England's net.

⭐ <u>Additional Information</u>

- <u>About Football</u>
    - Football is the **world's most popular ball game** in terms of the number of participants and spectators.
    - Football, also called Association Football or Soccer, is a game in which **two teams of 11 players** , using any part of their bodies except their hands and arms, try to manoeuvre the ball into the opposing team's goal.
    - Only the goalkeeper is permitted to handle the ball and may do so only within the penalty area surrounding the goal.

---

37. **Answer: a**

Explanation:

The correct answer is <u>**Seismograph**</u>.

⭐ <u>Key Points</u>

- A seismograph is an instrument used to record the **vibrations of an earthquake** .
- It's an instrument consists a **vibrating rod, or a pendulum** , which starts vibrating when tremors occur.
- A pen is attached to the vibrating system of the seismograph which **records seismic waves** on paper which moves under it.
- The **first seismograph** was invented in **132 AD by Chinese astronomer and mathematician Zhang Heng** .
- The **magnitude of the earthquake** is measured on the **Richter scale** while its **intensity** on the **Mercalli scale** .

- The **magnitude relates** to the **energy released during the quake** and the **intensity scale** takes into account the **visible damage caused by the event** .

⭐ Additional Information

Instruments/Devices	Measure/Records
Ammeter	Electric current
Chronometer	Measures Time accurately of a fixed known location
Barograph	Barometric pressure

---

38. Answer: a

Explanation:

The correct answer is Guwahati.

⭐ Key Points

- North East Small Finance Bank Limited is the wholly **owned subsidiary of RGVN (North East) Microfinance Limited** .
- These banks are a **type of niche banks** that have been set up with an **objective to further financial inclusion** .
- They can provide basic banking services of acceptance of deposits and lending to unserved and underserved sections.
- The corporate office of North East Small Finance Bank is located in **Guwahati** .
- RGVN (North East) **received the Small Finance Bank License** from the **Reserve Bank of India (RBI) on March 31, 2017.**

⭐ **Additional Information**

- **Small Finance Bank**
  - These are the financial institutions that provide financial services to the country's unserved, underserved and unbanked areas of the country.
  - Its objective is to provide the **supply of credit to small business units; small and marginal farmers; micro and small industries; and other unorganised sector entities.**
  - It provides **75% loans to the priority sector of its credit** .
  - It has a **minimum capital of 200cr and 10 years of experience** .
  - They are regulated under **the RBI act of 1934 and IBRA 1949** .

---

39. **Answer: a**

Explanation:

The correct answer is **Kashmir**.

⭐ **Key Points**

- Kalhana was born in the **12th century** into the family of **Chanpaka, a Kashmiri minister.**
- He was the **court Poet of the King Harsha** of the **Lohara Dynasty** .
- He was an author who wrote a **Sanskrit poem about the kings of Kashmir.**
- He was the author of **Rajatarangini** .
- His father Champaka was also a Minister in the Lohara Dynasty.

⭐ **Additional Information**

Dynasty	Poet/Author
Delhi Sultanate	Amir Khusrau
Vijayanagar	Madalasa Charita
Rajput empire	Bharavi

40. Answer: d

Explanation:

The correct answer is **Karnataka**.

⭐ **Key Points**

- Vijaynagara became the **31st district of Karnataka** .
- It was carved out from the **Ballari district** .
- There are six taluks that come under Vijayanagara which are **Hosapete, Kudligi, Hagaribommanahalli, Kotturu, Hoovina Hadagali, and Harapanahalli** .
- There are **two UNESCO World Heritage** sites **Hampi and Virupaksha Temple** in Vijaynagara.
- The creation of districts will help **promote tourism to places such as Hampi and the overall development of the six taluks** .

⭐ **Additional Information**

States	Capital	Chief Minister (As of September 2022)
Andhra Pradesh	Amaravati	YS Jagan Mohan Reddy
Telangana	Hyderabad	K. Chandrashekar Rao
Kerala	Thiruvananthapuram	Pinarayi Vijayan

41. Answer: c

Explanation:

The correct answer is **Thomas Bach**.

⭐ **Key Points**

- International Olympic Committee is a **non-profit independent international organization** founded in the year 1894.
- Based in **Lausanne, Switzerland**, the Olympic Capital is entirely privately funded.
- **Thomas Bach** (As of September 2022) is currently the president of the International Olympic Committee.
- The International Olympic Committee is the patron of the Olympic Games and the leader of the Olympic Movement.

⭐ Additional Information

- The Olympic Games originated in **ancient Greece** and were an intrinsic part of religious celebrations.
- It was held in **Olympia, Greece, in honour of Zeus** (the supreme god of Greek religion).
- The first modern **Olympics took place in Athens in 1896 and featured 280 participants from 13 countries in 43 events** .

---

42. **Answer: c**

Explanation:

The correct answer is <u>Arunachal Pradesh.</u>

⭐ Key Points

- Siang, Noa, Tirap and Kameng are rivers found in the state of Arunachal Pradesh .
- The major river of Arunachal Pradesh is the Brahmaputra and all the rivers are its tributaries.
- Kameng river formerly known as Bhareli river and Jia Bhoreli in Assam .

⭐ Additional Information

- Important northern rivers.

River	Origin
Satluj	Mount Kailash, Tibet
Ravi	Chamba district of Himachal Pradesh.
Beas	Himachal Pradesh
Chenab	Himachal Pradesh
Jhelum	Verinag Spring situated at the foot of the Pir Panjal

43. Answer: d

Explanation:

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

⭐ <u>Key Points</u>

- In the Jammu&Kashmir region ,Pheran is the common dress for people. It is a long dress with buttons on the neck.
- It falls below knee length. It is worn by both men and women folk of territory . It is accompanied by a loose Pajama worn under it.
- Pheran is adorned by colourful floral motifs and intricate Kashmiri embroidery . A white stole also hangs from the shoulders of the wearer.

⭐ <u>Additional Information</u>

- Costumes in Jammu and Kashmir are inspired by the vibrancy of warmth and culture of people in the territory . Rich fabrics with beautiful colours blending with their fine textures are integrally used in Kashmiri couture .
- Fine embroideries and weavings of the region are also beautifully exhibited through these dresses.

44. Answer: b

Explanation:

The correct answer is **shalabhoga.**

⭐ **Key Points**

- **Shalabhoga** stands with respect to revenue administration under the imperial Cholas is land donated for the maintenance of a school.
- The inscriptions of the Cholas who ruled in Tamil Nadu suggest that their kingdom used more than **400 terms for different kinds of taxes** .
- Cholas were the most civilized race in the **south Indian subcontinent.**

⭐ **Additional Information**

- The Chola Empire was one of the most famous empires in south India that came into prominence in the 9th century AD .
- Their kingdom was mainly concentrated in the **Kaveri-fed delta** called Cholamandalam .
- According to Chola inscriptions, there were **five types of ' land gifts** ' that Chola kings gave to their people.

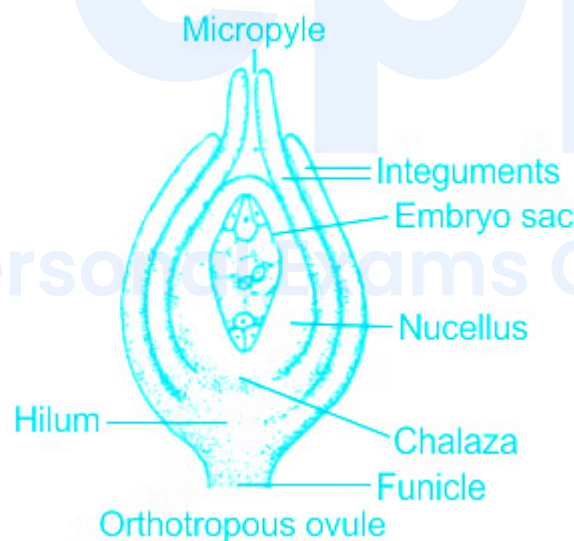| Shalabhoga	Land for the maintenance of a school
Devadana tirunamattukkani	Land gifted to temples
Pallichchhandam	Land donated to Jaina institutions
Brahmadeya	Land gifted to Brahmanas
Vellanvagai	Land of non-Brahamana peasant proprietors

45. Answer: b

Explanation:

The correct answer is <u>**Integument**</u>.

⭐ <u>Key Points</u>

- The fertilised ovule, which is the end product of sexual reproduction, is known as seed .
- Integument is the protective covering of the ovule (nucellus). It is thin and living.
- The megasporangium and the embryo sac are protected by a double-layered integument.
- After fertilisation, one or two protective integuments transform into the seed coat , which protects the entire seed .
- In seed , seed coats are 1 or 2 in number , having an opening called micropyle .
- Outer integument forms outer seed coat (testa) and inner integuments form inner seed coat (tegmen).
- The hard seed coats (testa and tegmen) provide protection against injury .

Orthotropous ovule

⭐ <u>Additional Information</u>

- **Zygote:**
    - It is a cell which is formed after the fusion of male sperms and eggs cells. Which is also known as a Fertilised egg.
    - And over the period of time, this zygote develops and forms an embryo.
    - The combination of Chromosome determines the sex of the child.

- ○ Combination of the Y chromosome of male with XX chromosome of female results in the child being a male.

---

46. Answer: b

Explanation:

The correct answer is <u>Saudi Arabia</u>.

⭐ <u>Key Points</u>

- The 15th G20 Summit held virtually in November 2020 was hosted by **Saudi Arabia** .
- It saw the participation of respective Heads of State/ Government of 19 member countries, the EU, other invited countries, and international organizations.
- The theme for the 15th summit was **Realizing Opportunities of the 21st Century for All** .
- Its aim was to overcome the **pandemic, economic recovery and restore jobs, and build an inclusive, sustainable and resilient future** .

⭐ <u>Additional Information</u>

- <u>G20</u>
  - ○ The G20 was founded on **26th September 1999** .
  - ○ It is an informal group of 19 countries and the **European Union** , with representatives of the **International Monetary Fund** and **the World Bank** .
  - ○ The members of the G20 are **Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Japan, Republic of Korea, Mexico, Russia, Saudi Arabia, South Africa, Turkey, the United Kingdom, the United States, and the European Union** .
  - ○ It is composed of most of the world's largest economies, including both industrialized and developing nations, and accounts for around 90% of gross world product (GWP), 75–80% of international trade, two-thirds of the global population, and roughly half the world's land area.

- It works to address major issues related to the **global economy, such as international financial stability, climate change mitigation, and sustainable development** .

⭐ **Important Points**

- The Union Cabinet has approved the setting up of a G20 Secretariat.
- It will be responsible for the implementation of overall policy decisions and arrangements needed for steering India's upcoming G20 Presidency.
- India will hold the Presidency of the G20 for the first time from December 1, 2022, to November 30, 2023 , culminating with the G20 Summit in India in 2023.

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47. **Answer: b**

Explanation:

The correct answer is <u>The Constitution of India was handwritten in English and Hindi</u>.

⭐ **Key Points**

- The Constitution of India was handwritten in English and Hindi.
- **Dr Sachchidanand Sinha** , the oldest member, was elected as the **temporary President** of the Constituent Assembly.
- **Dr Rajendra Prasad** was elected as the **permanent President** of the Assembly and not Dr BR Ambedkar.
- The Constituent Assembly was constituted in November 1946 under the scheme formulated by the Cabinet Mission Plan, not by Hunter Commission.
- **26 November** is observed as **The Constitution Day - or 'Samvidhan Divas'** in India.

⭐ **Additional Information**

- The Constituent Assembly held its first meeting on **December 9, 1946** .
- The meeting was attended by **211 members** .
- Constituent Assembly was to be a partly elected and partly nominated body.
- On December 13, 1946, **Jawahar Lal Nehru** moved the historic **Objectives Resolution** in the Assembly that laid down the fundamentals and philosophy of

the constitutional structure
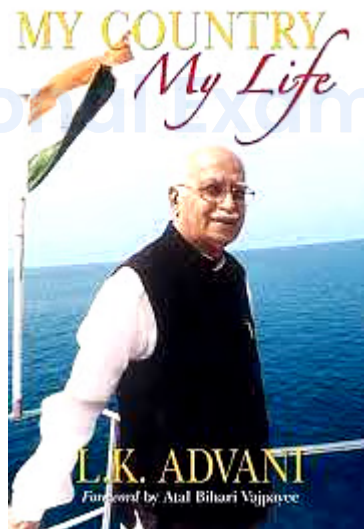- The **President of the Drafting Committee** was **Dr B R Ambedkar** .

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48. **Answer: a**

Explanation:

The correct answer is **LK Advani**.

⭐ **Key Points**

- **LK Advani** was born on **8 November 1927 in Karachi, Pakistan** .
  - He was the **7th deputy Prime minister of India** .
  - He was one of the **founding members of the BJP** .
  - He was also minister of **home affairs** in BJP from **1998-2004** .
  - He was the author of the book**'My Country My Life'** .
  - The book was released on **19 March 2008 by Abdul Kalam** .
  - The book narrates **autobiographical** accounts and events in the **life of Advani** .

⭐ **Additional Information**

- Anna Hazare is an Indian social activist.
  - He is the master brain behind the Indian anti-corruption movement.

- He was honoured with the Padma Shri in 1990 and Padma Bhushan in 1992.
- Pranab Kumar Mukherjee was an Indian politician and statesman.
  - He served as the **13th President of India from 2012-2017.**
  - He was preceded by Pratibha Patil and was succeeded by Ram Nath Govind.
  - He received Padma Vibhushan in the year 2008 and Bharat Ratna in the year 2019.
  - Books: Challenges Before the Nation: **A Saga of Struggle and Sacrifice, Beyond Survival: Emerging Dimensions of the Indian Economy.**
- **Somnath Chatterjee**
  - Former Lok Sabha Speaker **Somnath Chatterjee** passed away on **August 13, 2018.**
  - Born on **July 25, 1929, Chatterjee was a ten-time Lok Sabha MP.**
  - He was **one of** the **longest-serving parliamentarians in India.**
  - He served as the **Speaker of the Lok Sabha from 2004 to 2009.**
  - He won the **Outstanding Parliamentarian Award in 1996.**

---

49. **Answer: c**

Explanation:

The correct answer is **1950-51.**

⭐ **Key Points**

- The first Economic Survey in India was presented in the year 1950-51.
- Up to 1964, it was presented along with the Union Budget.
- From 1964 onwards, it has been delinked from the Budget.

⭐ **Additional Information**

- The Economic Survey of India is an annual document released by the **Ministry of Finance** , Government of India.
- It contains the most authoritative and updated source of data on India's economy.

- It is a report that the government presents on the state of the economy in the past year, the key challenges it anticipates, and their possible solutions.
- The **First Female Finance Minister** of India was Indira Gandhi who presented the Budget in 1970.
- Currently, Nirmala Sitharaman is the Finance Minister of India (as of Sep 2022).
- The term budget isn't used in the Indian constitution.
- The term used in Article 112 is 'A nnual Finance Statement '.
- The budget is laid before Parliament in the name of the President.

---

50. Answer: d

Explanation:

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

⭐ <u>Key Points</u>

- The <u>first</u> India-France-Australia **Trilateral Dialogue** was held **virtually on 9 September 2020.**
- The focus of the dialogue was on enhancing cooperation in the **Indo-Pacific region.**
- The outcome-oriented meeting was held with the objective of building on the strong bilateral relations that the three countries share with each other.
- The three sides agreed to hold the dialogue on an **annual basis.**
- Harshvardhan Singla , foreign secretary represented the Republic of India.
- Francois Delattre and Frances Adamson represented France and Australia respectively.

⭐ <u>Additional Information</u>

As of (Sep 2022)

Country	Prime Minister	Capital
India	Narendra Modi	New Delhi
Germany	Olaf Scholz(Chancellor)	Berlin
Britain	Liz Truss	Landon
USA	Joe Biden	Washington, D.C.
Australia	Anthony Norman Albanese	Canberra

51. **Answer: a**

Explanation:

Given:

The ratio of the shares of A and B is 3 : 4

The ratio of the shares of A and C is 5 : 8.

The difference between the shares of B and that of C is Rs. 312

Concept used:

Concept of ratio and proportion

Calculation:

Let A and B be 3 y and 4 y

So, A: B = 3 y: 4 y × 5   ----(1)

And A: C = 5 y: 8 y × 3   -----(2)

From (1) and (2)

A = 15 y

B = 20 y

C = 24 y

According to the question,

24 y – 20 y = 312

⇒ 4 y = 312

⇒ y = 78

Now, we have to find the value of x = A + B + C

⇒ 15 y + 20 y + 24 y

⇒ 59 y

⇒ 59 × 78

⇒ 4602

∴ The value of x will be Rs 4602.

---

52. **Answer: d**

Explanation:

Given:

Two varieties of tea, one costing Rs. 320 per kg and another costing Rs. 240 per kg.

He sells the mixture at Rs. 325.68 per kg

Average CP of mixed tea when mixed in ratio 9:11

Formula used:

Profit = SP – CP

Profit % = (Profit / CP) × 100

Calculation:

Average CP of mixed tea when mixed in r atio 9:11

$$\Rightarrow \frac{(320 \times 9 + 240 \times 11)}{(9 + 11)} = \frac{(2,880 + 2,640)}{20}$$

CP = $\frac{5520}{20}$ = Rs. 276

SP = Rs. 325.68

Profit = 325.68 – 276 = Rs. 49.68

Gain % = $\frac{49.68}{276}$ × 100 = 18%

∴ **The gain percentage is 18%.**

---

53. **Answer: c**

Explanation:

Given:

Pipe A can empty the tank = 15 hours

Pipe B can empty the tank = 18 hours

Pipe C alone can fill the tank = 6 hours

Formula used:

Work = Time × efficiency

Calculation:

L.C.M.(15, 18, 6) = 90

Let the total work be 90.

⇒ Efficiency of A = 90/15 = –6 (–ve sign shows it is draining pipe)

⇒ Efficiency of B = 90/18 = –5 (–ve sign shows it is draining pipe)

⇒ Efficiency of C = 90/6 = 15

According to the question

Two-third part of the tank = 90 × 2/3

⇒ 60 units

If all the three pipes are opened together

Total time to fill two-third of tank = 60/(15 - 6 - 5)

⇒ 60/4 = 15 hours

∴ Two-third part of the tank will be full after 15 hours.

---

54. **Answer: c**

Explanation:

Given:

The ratio of CP of articles A and B is 5 : 4

Profit on article A = 10%

Profit on article B = 20%

The difference in the selling price is Rs. 560

Formula used:

SP = CP × (100 + P%)/100

Calculation:

Let CP of articles A and B be 50x and 40x respectively

Then SP of article A = 50x × (100 + 10)/100 = 55x

SP of article A = 55x

And SP of article B = 40x × (100 + 20)/100 = 48x

SP of article B = 48x

According to the question,

⇒ 55x – 48x = 560

⇒ 7x = 560

x = 80

Now, the sum of CP of both articles = 50x + 40x = 90x

⇒ 90x = 90 × 80 = 7200

∴ The sum of the cost prices of article A and B is 7200.

NOTE:- As CP's are in the ratio 5 : 4. So by taking CP's 50x and 40x calculation becomes easier.

55. **Answer: d**

Explanation:

Given:

Amount = Rs. 4,900

Rate of interest = 7.5% p.a simple interest

Time = 3 years 4 months = 10/3 years

Formula used:

SI = $\frac{P \times R \times T}{100}$

Amount = Principal + SI

Calculation:

Let the sum be 100x

SI = $\frac{100x \times 7.5 \times 10}{100 \times 3}$ = 75x/3

SI = 25x

∴ Amount = 100x + 25x = 125x

⇒ 125x = 4900

⇒ 5x = 196

⇒ 100x = 3920

∴ The sum = Rs. 3920

Now SI on Rs. 3920 at the rate of 8% and for the time 15/4 years

⇒ SI = $\frac{3920 \times 8 \times 15}{100 \times 4}$ = 392 × 3 = 1176

The amount = 3920 + 1176 = 5096

∴ **The required amount is Rs. 5096.**

⭐ Shortcut Trick

Using, total rate of SI = Rate × Time

SI $_1$ = 7.5 × (10/3) = 25%

A $_1$ = 125%

And, SI $_2$ = 8 × (15/4) = 30%

A $_2$ = 130%

As, $A_1 = 4900$

$\Rightarrow 125\% \rightarrow 4900$

$\Rightarrow 130\% \rightarrow 5096$

$\Rightarrow A_2 = $ Rs. 5096

∴∴ The required amount is Rs. 5096.

---

56. Answer: b

Explanation:

Given:

Deposited amount = 8000

TIme = one and half year = 18 months or 3 half year

Rate of interest = 10% per annum

Interest is compounded half yearly

Rate of interest for 6 month = 5%

Concept:

Amount $(A) = P \left(1 + R/100\right)^n$

Calculation:

Amount $= 8000 \times \left(1 + 5/100\right)^3$

$= 8000 \times \left(21/20\right)^3$

$= 8000 \times 21/20 \times 21/20 \times 21/20$

$= 21 \times 21 \times 21$

= 9261

The compound interest = 9261 – 8000 = 1261

∴ Compound interest will be 1261

⭐ <u>Alternate Method</u>

6 month	6 month	6 month
5%	5%	5%

Successive percentage of 5%, 5% & 5% = 15.7625%

Total compound interest rate for 18 months = 15.7625%

So, the compound interest for 18 months = 8000 × 15.7625% = 1261

∴ Compound interest will be 1261

---

57. **Answer: d**

Explanation:

Given:

Average height of 35 students in a group is 156 cm.

8 students of average height 154.5 cm leave the group

13 students of average height 158 cm join the group

Calculation:

Average height of 35 students in a group is 156 cm.

Total height of 35 students = 35 × 156 = 5460 cm

8 student who leave the group total height = 8 × 154.5 = 1236 cm

Total height of 27 student = 5460 - 1236 = 4224 cm

Now, who joined in the group newly total height of newly admitted 13 students = 13 × 158 = 2054 cm

Now, total 40 students total height = 4224 + 2054 = 6278 cm

Average of 40 student height = 6278/40 = 156.95 cm

∴ The average height of 40 students is 156.95 cm

---

58. **Answer: b**

Explanation:

Given:

Speed of the first train = 108 km/h

Speed of the second train = 25 m/sec

Concept:

Speed in km/h = (Speed in m/sec) × (18/5)

Calculation:

The speed of the second train = 25 × (18/5) = 90 km/h

∴ **The required ratio = 108 : 90 = 6 : 5**

Note:- Ratio should be in the same unit of speed.

---

59. **Answer: b**

Explanation:

Given:

Marked price = Rs. 760

SP = Rs. 722

Formula used:

SP = Marked price - Discount

Discount% = (Discount / Marked price) × 100

Calculation:

Discount = 760 - 722 = Rs. 38

∴ The Discount percentage = $\frac{38}{760}$ × 100 = 5%

∴ **The discount percentage on the article is 5%.**

---

60. **Answer: a**

Explanation:

Given:

Total Sum = Rs. 176

The ratio of A, B and C = 1 : 4 : 6

Calculation:

Let the ratio be x, 4 x and 6 x

According to question,

(x + 4 x + 6 x) = 176

⇒ 11 x = 176

⇒ x = 16

The share of A = x

⇒ 16 × 1 = 16

The share of B = 4 x

⇒ 4 × 16 = 64

The share of C = 6 x

⇒ 6 × 16 = 96

The difference between the largest share and the smallest share = 96 – 16

⇒ 80

∴ The Required answer is Rs. 80.

---

61. Answer: c

Explanation:

Given:

$$\Rightarrow 7\frac{7}{15} \div \frac{4}{9} of \left(4\frac{7}{10} + 5\frac{1}{5}\right) + \left(\frac{2}{3} - \frac{4}{11}\right)$$

Concept used:

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

Calculation:

$$\Rightarrow \; 7\tfrac{7}{15} \div \tfrac{4}{9} of \left(4\tfrac{7}{10} + 5\tfrac{1}{5} \right) + \left(\tfrac{2}{3} - \tfrac{4}{11} \right)$$

$$\Rightarrow \; 7\tfrac{7}{15} \div \tfrac{4}{9} of \left(\tfrac{47}{10} + \tfrac{26}{5} \right) + \left(\tfrac{2}{3} - \tfrac{4}{11} \right)$$

$$\Rightarrow \; \tfrac{112}{15} \div \tfrac{4}{9} of \left(\tfrac{47}{10} + \tfrac{26}{5} \right) + \left(\tfrac{2}{3} - \tfrac{4}{11} \right)$$

$$\Rightarrow \; \tfrac{112}{15} \div \tfrac{4}{9} \times \tfrac{99}{10} + \tfrac{10}{33}$$

$$\Rightarrow \; \tfrac{112}{15} \div \tfrac{22}{5} + \tfrac{10}{33}$$

$$\Rightarrow \; \tfrac{112}{15} \times \tfrac{5}{22} + \tfrac{10}{33}$$

$$\Rightarrow \; \tfrac{56}{33} + \tfrac{10}{33}$$

$$\Rightarrow \; \tfrac{66}{33}$$

$$\Rightarrow 2$$

62. Answer: c

Explanation:

Given:

Remainders = 4, 5, 6, 7, 8

Greatest number of six digits = x

Calculation:

LCM of (5, 6, 7, 8, 9) = 2520

Greatest number of six digits = 999999

⇒ 999999/2520 = 396.825

⇒ 396 × 2520 = 997920

Difference = 5 – 4 = 6 – 5 = 7 – 6 = 8 – 7 = 9 – 8

⇒ 1

⇒ 997920 – 1 = 997919

x = 997919

Sum of digits of x = 9 + 9 + 7 + 9 + 1 + 9

⇒ 44

∴ T he sum of the digits of x is 44

63. Answer: d

Explanation:

Given:

The selling price of an article is 1716

Given the discount on the marked price is 12%

Calculation:

selling price after giving a 12% discount then marked price = $1716 \times {}^{100}/_{88}$

If he sells at the marked price then he earns 25% profit, then the cost price = 1716 × 100 / 88 × $^{100}/_{125}$ = 1560

∴ The cost price of an article is 1560.

⭐ **Alternate Method**

successive profit or loss for the seller = – 12 + 25 – $\frac{12 \times 25}{100}$ = 10 % profit

So, the cost price of the article = 1716 × $^{100}/_{110}$ = 1560

∴ The cost price of the article is 1560

---

64. Answer: c

Explanation:

Given:

Four cubes each the side 8 cm, are placed together end to end in a row.

l = 32 cm

b = 8 cm

h = 8 cm

Formula used:

Total surface area of cuboid = 2(lb + bh + hl)

Calculation:

Total surface area of cuboid = 2(32 × 8 + 8 × 8 + 8 × 32)

⇒ 2(256 + 64 + 256)

⇒ 2 × 576 = 1152 cm ^{2}

∴ The total surface area of the solid so formed is 1152 cm ^{2}.

---

65. Answer: d

Explanation:

Given:

Ratio of present ages of A and B = 4 : 5

Ratio of ages after 10 years = 5 : 6

Calculation:

⇒ A/B = 4/5

⇒ (4x + 10)/(5x + 10) = 5/6

⇒ 24x + 60 = 25x + 50

⇒ x = 10

Present age of A = 40

Present age of B = 50

Difference = 50 - 40 = 10

∴ The correct answer is **10** years.

⭐ <u>Shortcut Trick:</u>

Applying ratio method,

Present   4 :   5

            +10   +10

            5 :   6

So,   25 - 24 = 01

         60-50 = 10

         1 → 10

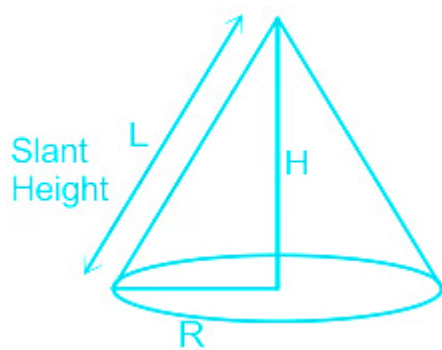Difference in age = 5 - 4 = 1

⇒10 years

---

66. **Answer: b**

Explanation:

Given:

Area of base of right circular cone = 81π cm2

Height = 18 cm

Formula used:

l = √(r ^{2} + h ^{2})

l = slant height

r = radius

h = height

Calculation:

Area of base $= \pi r^2$

$\Rightarrow \pi r^2 = 81\pi$

$\Rightarrow r^2 = 81$

$\Rightarrow r = +9, -9$

$l = \sqrt{(r^2 + h^2)}$

$\Rightarrow \sqrt{(9^2 + 18^2)}$

$\Rightarrow \sqrt{405}$

$\Rightarrow 9\sqrt{5}$ cm

---

67. **Answer: d**

Explanation:

Given:

Amount(A) = Rs. 6655

Time(T) = 3 years

Rate(R) = 10%

Formula used:

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

Compound interest(CI) = A – P

Calculation:

$6655 = P(1 + 10/100)^3$

$\Rightarrow 6655 = P(11/10)^3$

$\Rightarrow P = 6655 \times 1000/1331$

$\Rightarrow P = 5000$

$\therefore$ Principle(P) = Rs. 5000

According to question

New rate(R_1) = 1.5R = 15%

New time(T_1) = 2 years

$A = 5000(1 + 15/100)^2$

$\Rightarrow 5000(115/100)^2$

$\Rightarrow 5000 \times 13225/10000$

$\therefore A = $ Rs. 6612.50

CI = x = 6612.5 – 5000 = 1612.50

$\therefore$ The value of x is Rs. 1612.50

---

68. **Answer: b**

Explanation:

Given:

The average age of students in a class is 16.8 years.

The average age of the boys in the class is 18.4 years.

The average age of the girl in the class is 16.4 years.

Calculation:

Let the number of boys in the class be x.

Let the number of girls in the class be y.

Total age of student in the class = 16.8 × (x + y) = (16.8x + 16.8y) years

Total age of the boys = 18.4x years

Total age of the girls = 16.4y years

∴ 18.4x + 16.4y = 16.8x + 16.8y

⇒ 1.6x = 0.4y

⇒ $\frac{x}{y} = \frac{0.4}{1.6} = \frac{1}{4}$

∴ The ratio of the number of boys to the number of girls in the class is 1 : 4.

---

69. **Answer: c**

Explanation:

Given:

Manufacturer profit = 12%

Retailer profit = 20%

Wholesale dealer = 15%

Calculation:

Let CP be Rs.100

So,

Manufacturer profit = Rs.112

Retailer profit = Rs.120

Wholesale profit = Rs.115

⇒ 112/100 × 115/100 × 120/100

⇒ 1545600/1000000

Retail price = Rs.1245

⇒ 1545600 = 1245

⇒ 0.0008055 (approx)

Cost of production of table = 1000000 × 0.0008055

⇒ Rs.805.5 (approx)

∴ The correct answer is **Rs.805.5** .

⭐ <u>Shortcut Trick</u>

Manufacturer = 12%

Wholesale dealer = 15%

Retailer = 20%

Now, since table is changing hands between manufacturer, retailer and wholesaler.

∴ Manufacturer SP = Wholesale dealer CP

Wholesale dealer SP = Retailer CP

So,

By applying ratio method,

25 28 (12%) manufacture

20 23 (15%) Whole sale

5 6 (20%) Retailer

5 × 20 × 25

5 × 28 × 20

23 × 28 × 5

28 × 20 × 5

28 × 23 × 5

28 × 23 × 6

6 × 23 × 28 = 1245

$(1 = \frac{1245}{3864} = \begin{array}{*{20}{c}} 0.32220496 \\ {\left({appron} \right)} \end{array})$

∴ Cost of production = 5 × 20 × 25 × 0.32220496

= Rs. 805.51

---

70. **Answer: c**

Explanation:

Given:

Honey and Junnu together can finish a certain work in 20 days.

Honey having worked for 12 days, and

Junnu finished the remaining work alone in 36 days.

Formula used:

Work = Efficiency × Time

Calculation:

According to the question,

⇒ 12 H + 36 J = 20 × (H + J)

⇒ 12 H + 36 J = 20 H + 20 J

⇒ 16 J = 8 H

⇒ J/H = 1/2 (Efficiency ratio)

Total work = Efficiency × time

⇒ 20 × (1 + 2)

⇒ 60

Junnu finish the whole work alone in = 60/1

⇒ 60 days

∴ **The Required days are 60.**

According to the question, Honey works for 12 days and then Junnu works for 36 days.
let Junnu's work divides into 12 days and 24 days.
Given, Honey and Junnu together can finish a certain work in 20 days. (assume total work = 20)
If Junnu works with Honey for 12 days, what part the total work does he do = 12/20 = 3/5
remaining work = 1 - (3/5) = 2/5 so,
2/5 part of work done by junnu = 24 day
1 (total work) ork done by junnu = (24 × 5)/2 = 60

⭐ Shortcut Trick

---

71. **Answer: c**

Explanation:

Concept used:

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

Calculation:

⇒ 5 ÷ 8 of 2 − 10 ÷ 5 of 8 + 6 ÷ 15 × (7 − 4) of 2 − 2

⇒ 5 ÷ 16 − 10 ÷ 40 + 6 ÷ 15 × 6 − 2

⇒ (5/16) − (1/4) + (2/5) × 6 − 2

⇒ (5/16) − (1/4) + (12/5) − 2

⇒ (1/16) + (2/5)

⇒ 37/80

---

72. **Answer: c**

Explanation:

Given:

Difference between a number and its one-third is 520

Calculation:

Let the number be x

According to the question,

$x - \frac{1}{3} x = 520$

$\Rightarrow \frac{3x-x}{3} = 520$

$\Rightarrow 2x/3 = 520$

$\Rightarrow x = 780$

So, the number is 780

20% of the number = 780 × 20 × 1/100 = 156

∴ **20% of the number is 156**

---

73. Answer: d

Explanation:

Given:

L.C.M of two numbers = 210

H.C.F of two numbers = 5

One of the numbers is 30.

Concept used:

L.C.M × H.C.F = 1st number × 2nd number

Calculation:

L.C.M × H.C.F = 1st number × 2nd number

$\Rightarrow$ 210 × 5 = 30 × 2nd number

$\Rightarrow$ 2nd number = 210 × 5/30

$\Rightarrow$ 35

∴ The Required number is 35.

---

74. **Answer: c**

Explanation:

Given:

Speed of the first train = 48 km/h

Speed of the first train = 52 km/h

Two trains running in opposite direction on parallel tracks, take 27 seconds to cross each other.

Length of one train = 350 m.

Formula used:

If the speed of the two trains be x km/h and y km/h if (x > y)

Relative speed, if directions are opposite = x + y

Relative speed, if directions are same = x − y

Speed = Distance/Time

1 km/h = 5/18 m/s

Calculation:

Relative speed of t wo trains running in opposite direction on parallel tracks = (48 + 52)

⇒ 100 km/h = 100 × 5/18 = 500/18 m/sec

Let the other train length in meters = x meter

Speed = Distance/time

⇒ 500/18 = (350 + x)/27

⇒ 350 + x = 500 × 27/18

⇒ 350 + x = 750

⇒ x = 400

∴ The length of the other train is 400 m.

75. **Answer: b**

Explanation:

Given:

Sarita expected 720 marks but got 675 marks.

Calculation:

Let full marks = x

Expected marks - got marks = 720 - 675

⇒ 45

According to the question

She got 5% less marks than expected marks.

∴ x of 5% = 45

x × (5/100) = 45

x = 4500/5

x = 900

∴ Full marks = 900

Now

She scores to obtain 90% marks = 900 × (90/100) = 810

---

76. Answer: d

Explanation:

The correct answer is option 4) i.e. 'Idea.'

⭐ <u>Key Points</u>

- Let's look at the meaning of the given word :
  - Opinion- the ideas that a person or a group of people have about something or someone, which are based mainly on their feelings and beliefs.
- Let's look at the meaning of the correct answer:
  - Idea- a belief or opinion.
- Clearly,the word'Idea 'isclosest in meaningto the given word' Opinion .'
- Therefore,the correct synonym of the given word isoption 4 'Idea.'

⭐ <u>Additional Information</u>

- Let's know the meaning of other options:

Word	Meaning
Fact	something that is known to have happened or to exist, especially something for which proof exists, or about which there is information
Proof	a fact or piece of information that shows that something exists or is true
Truth	the real facts about a situation, event, or person

---

77. Answer: c

Explanation:

The correct answer is option 3) i.e. 'Coercion .'

⭐ Key Points

- Let's look at the meaning of the marked option:
  - Coercion- the use of force to persuade someone to do something that they are unwilling to do.
- Example :
  - *The blackmailer had used* **coercion** *and threats to demand money from the victim's family.*
- Let's look at the meanings of the other given options:
  - Roughness- Something that is uneven or not smooth.
  - Cruelty- An indifference to suffering or pleasure in inflicting suffering.
  - Despise- hate .
- Hence, from the given meanings, we find that 'Coercion'is the correct one-word substitute.
- So, the correct answer is option 3.

Correct one-word substitute: Coercion.

---

78. Answer: c

Explanation:

The correct answer is option 3) i.e. 'Attempt.'

⭐ Key Points

- Let's look at the meaning of the given word :
  - Venture- an activity or plan of action, often in business, that involves risk or uncertainty.
- Let's look at the meaning of the correct answer:

- Attempt- the act of trying to do something, especially something difficult or risky.
- Clearly,the word' Attempt 'isclosest in meaningto the given word' Venture .'
- Therefore,the correct synonym of the given word is'Attempt.'

⭐ Additional Information

- Let's know the meaning of other options:

Word	Meaning
Neglect	to not give enough care or attention to people or things that are your responsibility
Guard	a person or group of people whose job is to protect a person, place, or thing from danger or attack
Protect	to keep someone or something safe from injury, damage, or loss

79. Answer: b

Explanation:

The correct answer is option 2) i.e. "Frawdster . "

⭐ Key Points

- The correct spelling is 'Fraudster .'
- ' Fraudster ' means someone who gets money by deceiving people.
- Example:
  - *The Reserve Bank of India has passed new laws to punish* **fraudsters** *.*
- Therefore, ' Frawdster ' is incorrectly spelt among the given options.
- Hence, option 2 is the correct answer.

⭐ Additional Information

Let's know the meaning of other options:

Word	Meaning
Prankster	someone who plays pranks on people
Gangster	a member of an organized group of violent criminals
Trickster	a person who deceives people

80. Answer: c

Explanation:

The erroneous part is option 3) i.e. 'wide and shading .'

⭐ **Key Points**

- The error lies in the part 'wide and shading. '
- We can note that the given sentence is in the passive form of past indefinite tense.
- The structure of such a sentence is:
  - Object + was/were + V3 + by + subject
- In the erroneous part, the verb **'shading'** is in continuous form.
- Therefore we have to use the past participle form of the verb (V3) 'shaded' instead of **'shading'** to make the sentence grammatically correct.
- Hence, the correct answer is option 3.

Correct sentence: *The road was **wide and shaded** by rows of tall trees.*

81. Answer: d

Explanation:

The erroneous part is option 4) i.e. 'the tallest girl .'

⭐ **Key Points**

- The error lies in the part'the tallest girl. '
- According to the rules of numbers, if **'of'** is used after words like **'each, every, one'** in such cases the noun and pronoun after **'of'** will be in the **plural number.**
- Therefore we have to use the plural form of the noun 'girls' i nstead of **'girl.'**
- In the given sentence we need to use ' girl ' in place of ' girls ' to make the sentence grammatically correct.
- Hence, the correct answer is option 4.

Correct sentence:*She is one of **the tallest girls** in the school.*

---

82. **Answer: b**

Explanation:

The correct answer is option 2) i.e. 'overflowed its banks . '

⭐ **Key Points**

- The error lies in Part (overflew its banks)of the sentence.
- As per instructions, the remaining portion of the sentence is correct and from the verb, **'flooded'** (past form) we can deduct the sentence is in the simple past tense.
- In the erroneous part the verb **'overflew'** is in past participle (V3) form.
- The structure of sentences in Simple past tense is:
    - Subject + V2 + object.
- So we will replace the V3 **'overflew'** with V2 **'overflow.'**
- Therefore, the use of 'overflew its banks 'in the sentence should be replaced with ' overflowed its banks 'to make it grammatically correct .
- Therefore, the correct answer is Option 2.

Correct sentence:The river <u>overflowed its banks</u> and flooded the village.

---

83. **Answer: b**

Explanation:

The correct answer is option 2) i.e. 'right . '

⭐ **Key Points**

- The given sentence is talking about the teacher having the authority to take decisions on who should participate in the competition or not.
- Therefore, themost appropriate word to be filled in the blankis 'right .'
- According to the context, the word 'right' means ' If you are within your rights to do something, you are legally allowed to do it.'
- Example :
  - *The public has the **right** to protest against the corrupt government.*
- Hence, the correct answeris option 2.

Complete Sentence:*It is the teacher's*<u>*right*</u>*to decide who will participate in the competition.*

⭐ **Additional Information**

Let's know the meaning of other options:

Word	Meaning
thought	the act of thinking about or considering something, an idea or opinion, or a set of ideas about a particular subject
virtue	good moral quality in a person, or the general quality of being morally good
kindness	the quality of being kind

---

84. Answer: b

Explanation:

The erroneous part is option 2) i.e. 'the later .'

⭐ <u>Key Points</u>

- The error lies in the part'the later.'
- We can note that the erroneous part contains the adverb **'later'** which is used to refer to the time when something happens In the future.
- In the given sentence a comparison is made between ' Trump and Obama' and who among them is a more impressive orator.
- The adjective **'latter'** is used in such a context to refer to the second of two persons or things mentioned earlier.
- In the given sentence we need to use 'latter' in place of 'later' to make the sentence grammatically correct.
- Hence, the correct answer is option 2.

<u>Correct sentence:</u>*Of the two politicians, Trump and Obama, **the latter** is more impressive as an orator.* .

---

85. **Answer: d**

Explanation:

The correct answer is option 4) i.e. 'is quite easy . '

⭐ <u>Key Points</u>

- The error lies in Part (are quite easier)of the sentence.
- In the given sentence, the subject is **'This exercise'** and it is singular in number.
- So, we need to use the 'be-verb' according to the number of the subject.
- Here, we will replace **'are'** with **'is.'**
- Therefore, the use of 'are quite easier 'in the sentence should be replaced with ' is quite easy 'to make it grammatically correct .
- Therefore, the correct answer is Option 4.

<u>Correct sentence:</u>This exercise*is quite easy* to do.

---

86. Answer: d

Explanation:

The correct answer is option 4) i.e. "An unpleasant situation . "

⭐ **Key Points**

- Let's look at the meaning of the given idiom/ phrase:
- The phrase' A fine state of affairs 'means ' a situation that has gone wrong and is very problematic.'
- *Example*:
  - *During the NRC protest, the government faced a fine state of affairs .*
- Hence, the only possible answer is option 4 'An unpleasant situation', which exactly resembles the meaning of the given idiom/ phrase.

Correct meaning: An unpleasant situation.

87. Answer: a

Explanation:

The correct answer is option 1) i.e. 'called . '

⭐ **Key Points**

- The given sentence is talking about some students who will be asked to come for an interview on the basis of their marks.
- Therefore, the most appropriate word to be filled in the blank is 'called .'
- According to the context, the word 'called' means ' to ask someone to come to you.'
- Example :
  - *The boss **called** the orderly to bring him a cup of tea.*
- Hence, the correct answer is option 1.

<u>Complete Sentence:</u>*Students will be<u>called</u>for an interview on the basis of their score card.*

⭐ <u>Additional Information</u>

Let's know the meaning of other options:

Word	Meaning
asked	to put a question to someone; to request or invite someone to go somewhere with you
fetched	to go to another place to get something or someone and bring it back
appointed	officially chosen for a job or responsibility

88. **Answer: a**

Explanation:

The correct answer is option 1) i.e. 'out of their minds . '

⭐ <u>Key Points</u>

- The error lies in Part (out of the minds)of the sentence.
- In the given sentence, the subject is **'Some people'** and the object is **'them'** which are plural in number.
- Therefore in the erroneous part, we have to use the possessive pronoun according to the number of the subject and object.
- The plural form of possessive pronoun for the object **'them'** is **'thier.'**
- Therefore, the use of 'out of the minds 'in the sentence should be replaced with ' out of their minds 'to make it grammatically correct .
- Therefore, the correct answer is Option 1.

<u>Correct sentence:</u>*Some people can only cope with problems by shutting them <u>out of their minds</u>.*

89. Answer: d

Explanation:

The correct answer is option 4) i.e. "Equipement . "

⭐ **Key Points**

- The correct spelling is 'Equipment .'
- ' Equipment ' means the set of necessary tools, clothing, etc. for a particular purpose.
- Example:
  - *The mechanic came with all the **equipment** to repair the bike.*
- Therefore, ' Equipement ' is incorrectly spelt among the given options.
- Hence, option 4 is the correct answer.

⭐ **Additional Information**

- Let's know the meaning of other options:

Word	Meaning
Starvation	the state of having no food for a long period, often causing death
Refusal	the act of refusing to do or accept something
Baggage	the bags that you take with you when you travel; luggage

90. Answer: d

Explanation:

The correct answer is option 4) i.e. 'Advantage .'

⭐ **Key Points**

- Let's look at the meanings of the given word and marked option :
  - Hindrance- to limit the ability of someone to do something, or to limit the development of something.
  - Advantage- a condition giving a greater chance of success.
- Let's look at the meanings of the other given options :
  - Deterrent- something that deters people from doing something.
  - Handicap- something that makes it difficult for you to do something.
  - Barrier- something that prevents something else from happening or makes it more difficult.
- Hence from the given meanings,we find that ' Hindrance ' and ' Advantage 'are antonyms.
- So,the correct answer is option 4.

⭐ Additional Information

- Let's look at the synonyms and antonyms for the given word 'Hindrance ':

- Synonyms:barrier, deterrent, drawback, handicap, hitch, impediment, interference, interruption.
- Antonyms:advantage, aid, assistance, benefit, help.

---

91. **Answer: a**

Explanation:

The correct answer is option 1) i.e. "Forever . "

⭐ Key Points

- Let's look at the meaning of the given idiom/ phrase:
- The phrase' For good 'means 'p ermanently; indefinitely; forever.'
- *Example*:
  - *Sohel left India and settled in America **for good**.*
- Hence, the only possible answer is option 1 'Forever', which exactly resembles the meaning of the given idiom/ phrase.

Correct meaning: Forever.

---

92. Answer: a

Explanation:

The correct answer is option 1) i.e. 'Timid .'

⭐ Key Points

- Let's look at the meanings of the given word and marked option :
  - Bold- brave, or without fear.
  - Timid- easily frightened; not brave or confident.
- Let's look at the meanings of the other given options :
  - Soft- not hard or firm.
  - Tired- in need of rest or sleep.
  - Harsh- unpleasant, unkind, cruel, or more severe than necessary.
- Hence from the given meanings,we find that' Bold ' and ' Timid 'are antonyms.
- So,the correct answer is option 1.

⭐ Additional Information

- Let's look at the synonyms and antonyms for the given word 'Bold' :

- Synonyms:adventurous, audacious, courageous, daring, fearless, heroic.
- Antonyms:afraid, cautious, cowardly, fearful, meek, shy.

---

93. Answer: c

Explanation:

The correct answer is option 3) i.e. 'Inflammable .'

⭐ Key Points

- Let's look at the meaning of the marked option:
  - Inflammable- An inflammable substance or material burns very easily.
- Example :
  - *Petrol is a highly **inflammable** substance.*
- Let's look at the meanings of the other given options:
  - Scorched- slightly burned, or damaged by fire or heat.
  - Charred- burned and black.
  - Blackened- to become black or to make something become black.
- Hence, from the given meanings, we find that 'Inflammable'is the correct one-word substitute.
- So, the correct answer is option 3 .

Correct one-word substitute: Inflammable.

---

94. **Answer: b**

Explanation:

The correct answer is option 2) i.e. 'retains . '

⭐ **Key Points**

- The given sentence is talking about fossils as they can preserve only traces of the remains of dead plants or animals.
- Therefore, themost appropriate word to be filled in the blankis 'retains .'
- According to the context, the word 'retains' means ' to keep or preserve or continue to have something.'
- Example :
  - *The museum still **retains** the artefacts of the Harappan Civilization.*
- Hence, the correct answeris option 2.

Complete Sentence:*A fossil normally**retains**only a portion of the deceased organism.*

⭐ **Additional Information**

- Let's look at the meaning of other given options:

Word	Meaning
includes	to contain something as a part of something else, or to make something part of something else
controls	the act of controlling something or someone, or the power to do this
maintains	to continue to have; to keep in existence, or not allow to become less

95. Answer: d

Explanation:

The correct answer is option 4) i.e. 'Hexagon .'

⭐ **Key Points**

- Let's look at the meaning of the marked option:
  - Hexagon- a geometrical shape with six sides and six angles .
- Example :
  - *The dining table is* **hexagonal** *in shape.*
- Let's look at the meanings of the other given options:
  - Heptagon- a geometrical shape with seven sides and seven angles .
  - Pentagon- ageometrical shape with five sides and five angles.
  - Octagon- a geometrical shape with eight straight sides and angles.
- Hence, from the given meanings, we find that 'Hexagon'is the correct one-word substitute.
- So, the correct answer is option 4 .

Correct one-word substitute: Hexagon.

96. Answer: d

Explanation:

The correct answer is option 4) i.e. 'land . '

⭐ **Key Points**

- Let's look at the meaning of the given words:
  - **Aerial-** in and from the air.
  - **Arboreal-** living in the trees.
  - **Aquatic-** living or growing in, happening in, or connected with water.
  - **Land-** the surface of the earth that is not covered by water.
- As per the meaning of the given words, **"land"** is the most appropriate word for the blank.
- The context of the concerned sentence is that the elephant lives on land and it is the largest terrestrial animal.
- Therefore the correct answer is **option 4.**

Complete passage: *The elephant is Earth's largest (1) land animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2) fond of water and enjoy showering by sucking water into their trunks and (3) spraying it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4) grabbing things— especially a potential meal. The trunk alone contains about 1,00,000 different (5) muscles.*

97. **Answer: a**

Explanation:

The correct answer is option 1) i.e. 'fond. '

⭐ **Key Points**

- Let's look at the meaning of the given words:
  - **Fond-** to like someone or something very much.

- ○ **Afraid-** feeling fear, or feeling worried about the possible results of a particular situation.
  - ○ **Surprised-** feeling or showing surprise because something has happened that you did not expect
  - ○ **Proud-** feeling of satisfaction because you or people connected with you have done or got something good.
- As per the meaning of the given words, **"fond"** is the most appropriate word for the blank.
- The context of the concerned sentence is that, despite the elephant being a land animal, likes to play with water very much.
- Therefore the **correct answer is option 1.**

Complete passage: *The elephant is Earth's largest* _(1) land_ *animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are* _(2) fond_ *of water and enjoy showering by sucking water into their trunks and* _(3) spraying_ *it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for* _(4) grabbing_ *things— especially a potential meal. The trunk alone contains about 1,00,000 different* _(5) muscles_.

98. **Answer: c**

Explanation:

The correct answer is option 3) i.e. 'spraying . '

⭐ **Key Points**

- Let's look at the meaning of the given words:
  - ○ **Smearing-** to spread a liquid or a thick substance over a surface.
  - ○ **Adjusting-** to change something slightly, especially to make it more correct, effective, or suitable.
  - ○ **Spraying-** a mass of very small drops of liquid forced through the air, or a container from which small drops of liquid are forced out.
  - ○ **Arranging-** to put a group of objects in a particular order.

- As per the meaning of the given words, **"spraying"** is the most appropriate word for the blank.
- The context of the concerned sentence is that elephants suck water with their trunks and with air pressure force the water to spray all over their bodies.
- Therefore the **correct answer is option 3.**

Complete passage:*The elephant is Earth's largest (1) land animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2) fond of water and enjoy showering by sucking water into their trunks and (3) spraying it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4) grabbing things— especially a potential meal. The trunk alone contains about 1,00,000 different (5) muscles.*

99. **Answer: b**

Explanation:

The correct answer is option 2) i.e. 'grabbing . '

⭐ **Key Points**

- Let's look at the meaning of the given words:
  - **Trumpeting-** to produce a loud call of a large animal, especially an elephant .
  - **Grabbing-** to take hold of something or someone suddenly and roughly.
  - **Organizing-** to do or arrange something according to a particular system.
  - **Destroying-** to damage something so badly that it cannot be used.
- As per the meaning of the given words, **"grabbing"** is the most appropriate word for the blank.
- The context of the concerned sentence is that elephants use their trunks for various purposes, especially to hold something, and to eat.
- Therefore, the correct answer is Option 2.

Complete passage:*The elephant is Earth's largest (1) land animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2) fond of*

water and enjoy showering by sucking water into their trunks and (3) spraying it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4) grabbing things— especially a potential meal. The trunk alone contains about 1,00,000 different (5) muscles.

100. **Answer: c**

Explanation:

The correct answer is option 3) i.e. 'muscles . '

⭐ **Key Points**

- Let's look at the meaning of the given words:
    - **Tusks-** either of the two long, pointed teeth of some animals such as elephants.
    - **Regions-** an area of a country, especially one that has a particular characteristic or is known for something.
    - **Muscles-** one of many tissues in the body that can tighten and relax to produce movement.
    - **Intestines-** a long tube through which food travels while it is being digested after leaving the stomach.
- As per the meaning of the given words, **"muscles"** is the most appropriate word for the blank.
- The context of the concerned sentence is that the trunk of an elephant has varied functions and is very flexible, and the flexibility and functions are enabled by different muscles of the trunk.
- Therefore, the correct answer is Option 3.

<u>Complete passage:</u>*The elephant is Earth's largest (1) land animal, although the Asian elephant is slightly smaller than its African cousin. Elephants are (2) fond of water and enjoy showering by sucking water into their trunks and (3) spraying it all over themselves. An elephant's trunk is actually a long nose with many functions. It is used for smelling, breathing, drinking and also for (4) grabbing things—*

especially a potential meal. The trunk alone contains about 1,00,000 different <u>(5)</u> <u>muscles</u>.