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 MTS Previous Year Paper (Held on: 3 Oct 2017 Shift 3)

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

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General English	25	25	0.25	1
2	General Intelligence & Reasoning	25	25	0.25	1
3	Numerical Aptitude	25	25	0.25	1
4	General Awareness	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 English

1. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'. 　　(+1, -0.25)

    The top court also agree to hear a separate (1)/ PIL, which has raised the issue of lack of (2)/ safety measures in private schools across the country. (3)/ No Error

    a. 2

    b. 3

    c. 4

    d. 1

---

2. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'. 　　(+1, -0.25)

    They claimed to (1)/ have deface 30 websites belonging (2)/ to various countries. (3)/ No Error (4)

    a. 2

    b. 4

    c. 1

    d. 3

---

3. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and 　　(+1, -0.25)

indicate it by choosing the appropriate option.

Neha will give you a gift _ _ _ _ _ _ you complete her work in next two hours.

a. as

b. though

c. if

d. till

---

4. In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option. (+1, -0.25)

Ashutosh told me not to be afraid _ _ _ _ _ _ his father.

a. with

b. to

c. from

d. of

---

5. In the following question, out of the give four alternatives, select the one which best expresses the meaning of the given word. (+1, -0.25)

Futile

a. Effective

b. Hopeful

c. Cogent

   d. Useless

---

6. In the following question, out of the give four alternatives, select the one   **(+1, -0.25)** which best expresses the meaning of the given word.

Vigilant

   a. Careless

   b. Impulsive

   c. Watchful

   d. Inattentive

---

7. In the following question, out of the give four alternatives, select the one   **(+1, -0.25)** which best expresses the meaning of the given word.

Modest

   a. Brave

   b. Humble

   c. Proud

   d. Arrogant

---

8. In the following question, out of the give four alternatives, select the one   **(+1, -0.25)** which is opposite in meaning of the given word.

Lucid

   a. Clear

b. Distinct

c. Vague

d. Bright

---

9. In the following question, out of the give four alternatives, select the one which is opposite in meaning of the given word.   (+1, -0.25)

Jovial

a. Happy

b. Gay

c. Merry

d. Sorrowful

---

10. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.   (+1, -0.25)

Spick and span

a. Short and sweet

b. Long and healthy

c. Clean and tidy

d. Day and night

---

11. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.   (+1, -0.25)

Eat anyone's salt.

a. To be unfair to all

b. To be anyone's guest

c. To be flexible

d. Eating lot of junk food

---

12. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement". (+1, -0.25)

My father is in (a teaching profession).

a. teaching

b. a profession of teaching

c. the profession of teaching

d. No improvement

---

13. In the following question, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no improvement is needed, select "no improvement". (+1, -0.25)

The decision (lies) in the hands of students and not the teacher.

a. were

b. No improvement

c. lay

d. lie

---

14. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. (+1, -0.25)

One who goes to settle in Foreign Country

a. Alien

b. Emigrant

c. Foreigner

d. Traitor

---

15. In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase. (+1, -0.25)

A book giving meaning of various words.

a. Encyclopaedia

b. Textbook

c. Dictionary

d. Novel

---

16. In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word. (+1, -0.25)

a. Vihecle

b. Vehicle

---

c. Vehical

d. Vecle

---

17. In the following question, a word has been written in four different ways **(+1, -0.25)** out of which only one is correctly spelt. Select the correctly spelt word.

a. Insttalment

b. Instalment

c. Instolmant

d. Instalmant

---

18. The question below consists of a set of labelled sentences. Out of the four **(+1, -0.25)** options given, select the most logical order of the sentences to form a coherent sentence.

Books never

P: all fair-weather friends

Q: desert us even when

R: have deserted us

a. RQP

b. PQR

c. QPR

d. QRP

---

19. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent sentence. **(+1, −0.25)**

Progress in life

P: deal on crossing one

Q: depends a good

R: threshold after another

a. RQP

b. QPR

c. QRP

d. RPQ

---

20. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives. **(+1, −0.25)**

Independence Day is _____ in all the states and Union Territories of India. The National Flag _____ ceremony is also observed in schools, colleges, societies and government offices. Buildings are decorated by tri-color lights. All these events _____ a feeling of patriotism in our heart. The feelings of _____ get blossomed in the heart of all the people of the country. This motivates our people, both young and old, to come forward and _____ towards the nation.

Independence Day is _____

a. gathered

b. seen

    c. enjoyed

    d. celebrated

---

21. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.   **(+1, -0.25)**

Independence Day is _ _ _ _ _ _ _ _ _ _ in all the states and Union Territories of India. The National Flag _ _ _ _ _ _ _ _ _ _ ceremony is also observed in schools, colleges, societies and government offices. Buildings are decorated by tri-color lights. All these events _ _ _ _ _ _ _ _ a feeling of patriotism in our heart. The feelings of _ _ _ _ _ _ _ _ _ get blossomed in the heart of all the people of the country. This motivates our people, both young and old, to come forward and _ _ _ _ _ _ _ _ _ _ towards the nation.

The National Flag _ _ _ _ _ _ _ _ _ _

    a. hoisting

    b. bearing

    c. decoration

    d. wearing

---

22. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.   **(+1, -0.25)**

Independence Day is _ _ _ _ _ _ _ _ _ _ in all the states and Union Territories of India. The National Flag _ _ _ _ _ _ _ _ _ _ ceremony is also observed in schools, colleges, societies and government offices. Buildings are decorated by tri-color lights. All these events _ _ _ _ _ _ _ _ a feeling of patriotism in our heart. The feelings of _ _ _ _ _ _ _ _ _ get blossomed in the

heart of all the people of the country. This motivates our people, both young and old, to come forward and _ _ _ _ _ _ _ _ _ _ towards the nation.

All these events _ _ _ _ _ _ _ _ a feeling of patriotism in our heart.

a. show

b. witness

c. inject

d. breeze

---

23. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives. **(+1, -0.25)**

Independence Day is _ _ _ _ _ _ _ _ _ _ in all the states and Union Territories of India. The National Flag _ _ _ _ _ _ _ _ _ _ ceremony is also observed in schools, colleges, societies and government offices. Buildings are decorated by tri-color lights. All these events _ _ _ _ _ _ _ _ a feeling of patriotism in our heart. The feelings of _ _ _ _ _ _ _ _ get blossomed in the heart of all the people of the country. This motivates our people, both young and old, to come forward and _ _ _ _ _ _ _ _ _ _ towards the nation.

The feelings of _ _ _ _ _ _ _ _ get blossomed

a. enmity

b. oneness

c. jealousy

d. competition

---

24. In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

(+1, -0.25)

Independence Day is _ _ _ _ _ _ _ _ _ _ _ in all the states and Union Territories of India. The National Flag _ _ _ _ _ _ _ _ _ _ ceremony is also observed in schools, colleges, societies and government offices. Buildings are decorated by tri-color lights. All these events _ _ _ _ _ _ _ _ a feeling of patriotism in our heart. The feelings of _ _ _ _ _ _ _ _ _ get blossomed in the heart of all the people of the country. This motivates our people, both young and old, to come forward and _ _ _ _ _ _ _ _ _ _ towards the nation.

come forward and _ _ _ _ _ _ _ _ _ _ _ towards

- **a.** work
- **b.** die
- **c.** kill
- **d.** contribute

25. Select the most appropriate ANTONYM of the given word.

(+1, -0.25)

Terrible

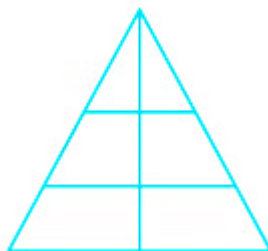- **a.** Bad
- **b.** Dire
- **c.** Nice
- **d.** Poor

General Intelligence & Reasoning

26. In the following question, select the number which can be placed at the sign of question mark (?) from the given alternatives.

(+1, -0.25)

4	2	2
7	3	4
6	5	5
34	11	?

a. 12

b. 13

c. 17

d. 15

---

27. How many triangles are there in the given figure?

(+1, -0.25)

a. 4

b. 6

c. 7

d. 9

---

28. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'G' can be represented by 30, 86, etc., and 'H' can be represented by 03, 65, etc. Similarly, you have to identify the set for the word " **BEAT** ".

(+1, -0.25)

Matrix-I					
	0	1	2	3	4
0	B	D	F	H	J
1	L	N	P	R	T
2	U	X	Z	C	A
3	G	I	K	M	O
4	Q	S	E	W	Y

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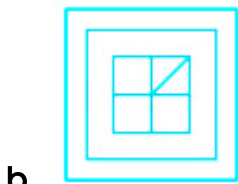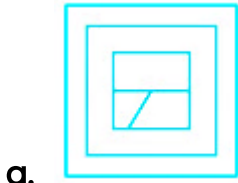<tr><td>Matrix-II</td><td></td><td></td><td></td><td></td><td></td></tr>
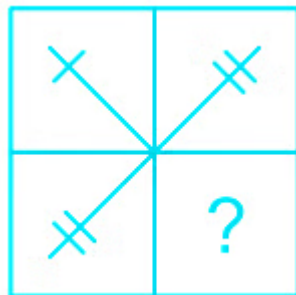<tr><td></td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr>
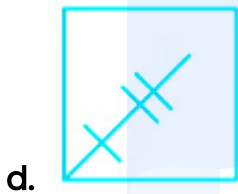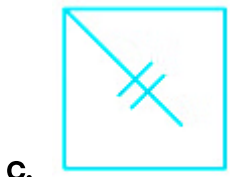<tr><td>5</td><td>J</td><td>L</td><td>E</td><td>G</td><td>Y</td></tr>
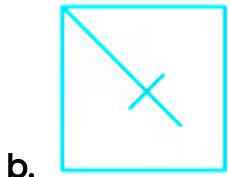<tr><td>6</td><td>H</td><td>A</td><td>C</td><td>I</td><td>W</td></tr>
<tr><td>7</td><td>F</td><td>P</td><td>Z</td><td>K</td><td>U</td></tr>
<tr><td>8</td><td>D</td><td>G</td><td>X</td><td>M</td><td>S</td></tr>
<tr><td>9</td><td>B</td><td>T</td><td>V</td><td>O</td><td>Q</td></tr>
</table>

a. 00, 57, 24, 32

b. 00, 57, 23, 14

c. 95, 42, 66, 96

d. 95, 59, 66, 14

---

29. From the given answer figures, select the one in which the question figure **(+1, -0.25)**
is hidden/embedded.

a.

b.

c.

d.

---
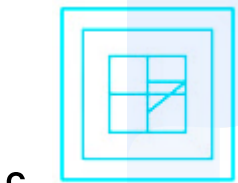
30. Which answer figure will complete the pattern in the question figure?   (+1, -0.25)

a.

b.

c.

d.

31. If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure? **(+1, −0.25)**
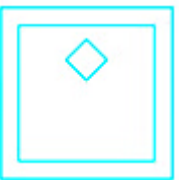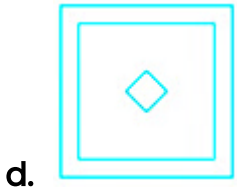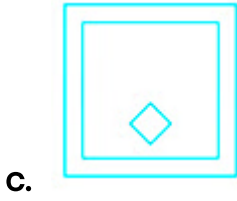

a.

b.

c.

d.

---

32. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened? **(+1, -0.25)**

a.

b.

c.

d.

---

33. What will come in the place of question marks (?) in the given equation?　　(+1, −0.25)

10 ? 0 ? 9 ? 5 = 10

a. −, + and ÷

b. +, − and ×

c. +, × and ÷

d. ×, + and ÷

---

34. If 1 # 3 # 7 = 21 and 12 # 1 # 3 = 36, then 14 # 2 # 0 = ?　　(+1, −0.25)

a. 28

b. 0

c. 16

d. 7

---

35. Arrange the given words in the sequence in which they occur in the dictionary.   (+1, −0.25)

   1. Legal

   2. Lamp

   3. Lizard

   4. Lately

   5. Limps

   a. 24135

   b. 42135

   c. 24153

   d. 42531

---

36. In the following question, select the missing number from the given alternatives.   (+1, −0.25)

   1, 7, 9, 13, 19, 21, 25, 31, ?

   a. 36

   b. 35

   c. 33

   d. 32

---

37. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.   (+1, −0.25)

AB, DE, GH, JK, ?

a. MN

b. LM

c. NO

d. KL

---

38. In the following question, select the odd word from the given alternatives.   (+1, -0.25)

a. Refrigerator

b. Computer

c. Wind mill

d. Television

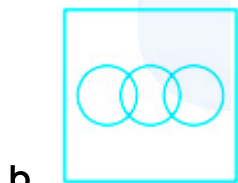**39.** In the following question, select the odd number pair from the given alternatives.   (+1, -0.25)
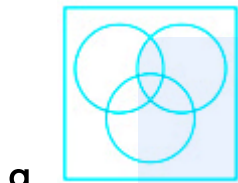
a. 16 - 24

b. 32 - 46

c. 18 - 27

d. 26 - 39

---

40. In the following question, select the odd letters pair from the given alternatives.   (+1, -0.25)

a. BLOP – OPBL

b. STIR – IRST

c. CANT – NTCA

d. PEST – SEPT

---

41. Identify the diagram that best represents the relationship between the given classes. (+1, –0.25)

Paragraph, Book, Pages

a.

b.

c.

d.

---

42. In the following question, select the related word from the given alternatives.

(+1, −0.25)

Ice : Cold :: Fire : ?

a. Heat

b. Wood

c. Wool

d. Yellow

---

43. In the following question, select the related number from the given alternatives.

(+1, −0.25)

87 : 260 :: 114 : ?

a. 281

b. 341

c. 293

d. 357

---

44. In the following question, select the related letters from the given alternatives.

(+1, −0.25)

NU : MF :: EH : ?

a. IR

b. VS

c. GT

d. DW

---

45. In the following question, select the word which cannot be formed using the letters of the given word.   (+1, -0.25)

BUILDINGS

a. BUILD

b. BINDS

c. SAND

d. DUBS

---

46. A, B, C, D and E are sitting in a line facing West. A and B sit at adjacent places. C is sitting at the South end and D is sitting at the North end. E is the neighbour of B and C. Who is 2nd from south end?   (+1, -0.25)

a. B

b. E

c. A

d. D

---

47. There are 40 cars in a row. White car is 13th from left end. What is its position from right end?   (+1, -0.25)

a. 29

b. 28

c. 27

d. 26

48. In the following question below are given some statements followed by   (+1, -0.25)
some conclusions. Taking the given statements to be true even if they
seem to be at variance from commonly known facts, read all the
conclusions and then decide which of the given conclusion logically
follows the given statements.

Statements:

I. All cups are tables.

II. Some cups are chairs.

Conclusions:

I. Some cups are tables.

II. Some tables are chairs.

a. Only conclusion (I) follows.

b. Only conclusion (II) follows.

c. Both conclusion follow.

d. Neither conclusion (I) nor conclusion (II) follows.

49. In a certain code language, "FUNNY" is written as "DSLLW". How is "PRIDE"   (+1, -0.25)
written in that code language?

a. NPGBC

b. NPGBD

c. NQGBC

d. NPGDC

---

50. In a certain code language, 'green' is written as 'blue', 'blue' is written as   (+1, –0.25)
'yellow', 'yellow' is written as 'black', 'black' is written as 'white' and 'white'
is written as 'orange'. What is the colour of milk?

a. White

b. Orange

c. Black

d. Yellow

Numerical Aptitude

51. What is the value of $6^3 + 7^3 + 8^3 + \ldots 10^3$? $\qquad$ (+1, −0.25)

   a. 3025

   b. 2800

   c. 2900

   d. 2925

---

52. Which of the following statement (s) is/are true? $\qquad$ (+1, −0.25)

   I. $2^{300} > 3^{200}$

   II. $6^{100} > 2^{300}$

   a. Only I

   b. Only II

   c. Both (I) and (II)

   d. Neither (I) nor (II)

---

53. What is the largest two digit number which is exactly divisible by both 6 and 5? $\qquad$ (+1, −0.25)

   a. 90

   b. 92

   c. 60

d. 96

---

54. If 34P8 is divisible by 9, then what is the value of P?   (+1, -0.25)

a. 2

b. 3

c. 4

d. 5

---

55. What is the unit's digit of 16^{10} ?   (+1, -0.25)

a. 2

b. 4

c. 6

d. 8

---

56. If $3^{x+3} + 3^{x-2} = 244$, then what is the value of x?   (+1, -0.25)

a. 2

b. 3

c. 1

d. 4

---

57. Three taps P, Q and R can fill a tank in 20, 30 and 40 minutes respectively. (+1, −0.25)
If all the three taps are opened, then how much time (in minutes) it will
take to completely fill the tank?

a. $9\frac{3}{13}$

b. 12

c. $8\frac{1}{3}$

d. 15

58. Two pipes U and V can fill a cistern in 12 hours and 20 hours respectively. (+1, −0.25)
Pipe W can empty the tank in 8 hours. If all the three pipes are opened,
then in how many hours the cistern will be full?

a. 60

b. 120

c. 150

d. 100

59. If the surface area of cube is 294 cm^2, then what is the volume (in cm^3) (+1, −0.25)
of the cube?

a. 343

b. 512

c. 379

d. 313

60. Marked price of an article is 35% more than its cost price. If a discount of 40% is given, then what will be the loss percentage?   **(+1, −0.25)**

   a. 19

   b. 22

   c. 27

   d. 16

61. Selling price of an article is Rs. 6225. If 17% discount is given, then what is the marked price?   **(+1, −0.25)**

   a. 6900

   b. 7800

   c. 7100

   d. 7500

62. The ratio of monthly income of Deepak and Raj is 4 : 9 respectively and the ratio of their expenditures is 1 : 3 respectively. If each saves Rs. 9000 per month, then what will be the monthly income (in Rs.) of Deepak?   **(+1, −0.25)**

   a. 54000

   b. 33000

   c. 24000

   d. 42000

63. The ratio of four numbers U, V, W, and X is 2 : 7 : 9 : 11 respectively. The sum of V and W is 45 more than the sum of U and X. What is the value of (U + X)?   **(+1, -0.25)**

   a. 165

   b. 195

   c. 205

   d. 215

---

64. Average weight of a group of 11 students is 37 kg. When a student left the group, then average weight of the group becomes 35 kg. What is the weight (in kg) of the student who left?   **(+1, -0.25)**

   a. 65

   b. 59

   c. 57

   d. 70

---

65. If selling price is 60 more than the cost price and profit is 15%, then what is the cost price (in Rs.)?   **(+1, -0.25)**

   a. 440

   b. 460

   c. 520

   d. 400

66. If selling price is Rs. 144 and profit is 20%, then what is the cost price? **(+1, -0.25)**

   a. 120

   b. 110

   c. 140

   d. 130

67. If 30% of P = 40% of Q, then Q is how much percent less than P? **(+1, -0.25)**

   a. 20

   b. 25

   c. 12.5

   d. 10

68. If P is 30% more than Q and R is 30% less than Q, then R is how much percent less than P? **(+1, -0.25)**

   a. 60

   b. 51

   c. 46.18

   d. 69

69. A train crosses a platform in 45 seconds travelling with a speed of 36 km/h. If the length of the train be 200 metres, then what will be the length **(+1, -0.25)**

(in metres) of the platform?

   a. 250

   b. 200

   c. 300

   d. 350

---

70. A goes to office at a speed of 10 km/hr and returns home at 40 km/hr. What is his average speed (in km/hr)?   **(+1, -0.25)**

   a. 16

   b. 24

   c. 25

   d. 32

---

71. A sum amounts to Rs. 2420 in 2 years when invested at compound interest. If principal is Rs. 2000, then what is the rate of interest (in %)?   **(+1, -0.25)**

   a. 15

   b. 10

   c. 8

   d. 12

---

72. The table given below shows number of literate people and total population in a village from the year 2011 to 2016.   **(+1, -0.25)**

Year	Literate people	Total population
2011	712	3042
2012	814	3072
2013	917	3128
2014	1250	3750
2015	1380	3940
2016	1560	4050

What is the percentage of people who are literate in 2012?

a. 26.49

b. 27.92

c. 29.14

d. 22.47

73. The table given below shows number of literate people and total population in a village from the year 2011 to 2016.

(+1, -0.25)

Year	Literate people	Total population
2011	712	3042
2012	814	3072
2013	917	3128
2014	1250	3750
2015	1380	3940
2016	1560	4050

What is the percentage increase (approximately) in the total population in the year 2012 in comparison to year 2011?

a. 1

b. 3

c. 4

d. 7

---

74. The table given below shows number of literate people and total population in a village from the year 2011 to 2016.   (+1, −0.25)

Year	Literate people	Total population
2011	712	3042
2012	814	3072
2013	917	3128
2014	1250	3750
2015	1380	3940
2016	1560	4050

What is the percentage increase in the literate people in the year 2015 in comparison to year 2014?

a. 10.4

b. 11.5

c. 16.5

d. 21.2

75. The table given below shows number of literate people and total population in a village from the year 2011 to 2016.

(+1, −0.25)

Year	Literate people	Total population
2011	712	3042
2012	814	3072
2013	917	3128
2014	1250	3750
2015	1380	3940
2016	1560	4050

What is the average number of literate people from 2011 to 2016?

a. 1370.6

b. 980.5

c. 1070.5

d. 1105.5

General Awareness

76. When does the Government announces minimum support price?   (+1, -0.25)

    a. Before sowing of crops

    b. After sowing of crops

    c. After harvesting of crops

    d. Always in the month of January

---

77. Cultivation of cotton crop comes under which sector of economic activity?   (+1, -0.25)

    a. Primary sector

    b. Secondary sector

    c. Tertiary sector

    d. None of these

---

78. In which type of government, government has to explain its actions and defend its decisions to the people?   (+1, -0.25)

    a. Democratic

    b. Monarchic

    c. Aristocratic

    d. Autocratic

---

79. Every Village Panchayat is divided into many _ _ _ _ _ _ _ _.   (+1, -0.25)

    a. Panchs

    b. Grams

    c. Sabhas

    d. Wards

80. Which Act was passed by Britishers to silence those who were critical of   (+1, -0.25)
the government?

    a. Vernacular Press Act

    b. Ilbert Bill

    c. Arms Act

    d. Regulating Act, 1773

81. Raziyya Sultan was the daughter of which ruler?   (+1, -0.25)

    a. Qutbuddin Aibak

    b. Shamsuddin Iltutmish

    c. Ghiyasuddin Balban

    d. Jalaluddin Khalji

82. The sun is an example of _ _ _ _ _ _ _ _.   (+1, -0.25)

a. Star

b. Satellite

c. Planet

d. Meteoroid

---

83. What are the parallel circles from the equator up to the poles called?   (+1, -0.25)

a. Latitudes

b. Longitudes

c. Axis

d. Meridian

---

84. Which type of plants have the hard stem branching near the base?   (+1, -0.25)

a. Shrubs

b. Herbs

c. Trees

d. None of these

---

85. Most plants can be generally classified into how many categories?   (+1, -0.25)

a. One

b. Three

c. Five

d. Seven

---

86. The narrowest and most numerous tubes of lungs are termed as _____. **(+1, -0.25)**

   a. Bronchus

   b. Alveoli

   c. Bronchioles

   d. Hilum

---

87. The rate of change of displacement with time is called as _____. **(+1, -0.25)**

   a. Force

   b. Acceleration

   c. Retardation

   d. Velocity

---

88. The SI unit for the average velocity is _____. **(+1, -0.25)**

   a. m/s

   b. km/s

   c. m/s^2

   d. ms

89. Which of the following is an output device? **(+1, -0.25)**

   a. Printer

   b. RAM

   c. ROM

   d. Joystick

90. Which of the following is the symbol of the metal that occurs in liquid form at ordinary temperature? **(+1, -0.25)**

   a. K

   b. Ag

   c. Pb

   d. Hg

91. Which of the following is not a mixture? **(+1, -0.25)**

   a. Sugar Syrup

   b. Lime water

   c. Ice

   d. Soil

92. What is the water found below water table called? **(+1, -0.25)**

a. Water cycle

b. Water table

c. Ground water

d. Aquifer

---

93. "Mera Khata-Bhagya Vidhata" is the slogan of which scheme? **(+1, −0.25)**

a. Pradhan Mantri FasalBima Yojana

b. Pradhan Mantri Sukanya Samridhi Yojana

c. Pradhan Mantri Mudra Yojana

d. Pradhan Mantri Jan Dhan Yojana

---

94. Who among the following invented electricity? **(+1, −0.25)**

a. J.L. Baird

b. Benjamin Franklin

c. E. Rutherford

d. J.C. Maxwell

---

95. Which country hosted the ICC Women's World Cup 2017? **(+1, −0.25)**

a. India

b. Sri Lanka

c. South Africa

d. England

---

96. Which temple is also known by the name "Black Pagoda"? (+1, -0.25)

a. Trimbakeshwar Temple, Nasik

b. Banke Bihari Temple, Vrindavan

c. Ramanathaswamy Temple, Rameswaram

d. Sun Temple, Konark

---

97. Who is the First women to win BCCI lifetime Achievement Award? (+1, -0.25)

a. Mithali Raj

b. Shanta Rangaswamy

c. Jhulan Goswami

d. Neetu David

---

98. Who is the author of the book named "The Accidental Prime Minister: the making and unmaking of Manmohan Singh"? (+1, -0.25)

a. Sanjaya Baru

b. Natwar Singh

c. Poonam Surie

d. Pavan Choudhary

---

99. The Treaty of Jeddah 2000 resolved border dispute between Yemen and _____. (+1, -0.25)

   a. Sudan

   b. Afghanistan

   c. Saudi Arabia

   d. Iran

---

100. Which neighbouring country of India was formerly known as East Pakistan? (+1, -0.25)

   a. Nepal

   b. Bhutan

   c. Bangladesh

   d. Myanmar

Answers

1. Answer: d

Explanation:

The error lies in part 1 of the sentence as the verb 'agree' must be in singular form 'agrees' owing to the subject which is singular 'top court.'

---

2. Answer: a

Explanation:

The correct answer is **'2' i.e. error lies in part 2 of the sentence.**

⭐ **Key Points**

In part 2 of the sentence, the usage of ' **deface** ' is incorrect Instead, use **'defaced'**

- In part 2 of the sentence, we need to write the perfect infinitive to show the action of the verb 'deface' is completed. Also, we get the hint from the main verb i.e. 'claim' the person will claim something when the action has been performed by somebody else. Hence, 'defaced' is the correct answer.

So the correct sentence is- *They claimed **to have defaced** 30 websites belonging to various countries.*

---

3. Answer: c

Explanation:

The correct conjunction here is 'if' as it is used for introducing a conditional clause. The other conjunctions do not convey any meaning here.

4. Answer: d

Explanation:

The correct preposition here is 'of' as people are afraid 'of' something or someone.

5. Answer: d

Explanation:

The correct answer is Option 4 i.e Useless

Explanation

Let's look at the meaning of the given word and the marked option :

- Futile : Incapable of producing any useful result
- Useless : Not fulfilling or not expected to achieve the intended purpose or the desired outcome.

Hence from the given meanings, we find that both the words express the same meaning.

Thus, the correct answer is Option 4 Useless

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

- **Effective** : Successful in producing a desired or intended effect.
- Hopeful : Feeling or inspiring optimism about a future even
- Cogent : Clear, logical and convincing.

6. **Answer: c**

Explanation:

The word 'vigilant' means 'watchful'. The meanings of the words are:

Careless=> done or said heedlessly or negligently

Impulsive=> acting or done without forethought

Watchful=> alert and vigilant

Inattentive=> not paying attention to something

Thus option 3 is the correct answer.

7. **Answer: b**

Explanation:

The correct answer is Option 2 i.e Humble

Explanation

Let's look at the meaning of the given word and the marked option :

- **Modest** : Unassuming in the estimation of one's abilities and achievements.
- **Humble** : Having or showing a modest or low estimate of one's importance.

Hence from the given meanings, we find that both the words express the same meaning.

Thus, the correct answer is Option 2 Humble

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

- Brave : Ready to face and endure danger or pain; showing courage.
- Proud : Having or showing a high opinion of oneself or one's importance.
- Arrogant : Having or showing an exaggerated sense of one's own importance.

---

8. **Answer: c**

Explanation:

The correct answer is Option 3 i.e Vague

Explanation

Let's look at the meaning of the given word and the marked option :

- **Lucid** : Expressed clearly; easy to understand.
- Vague : Of uncertain, indefinite and unclear.

Hence from the given meanings, we find that both the words express the opposite meaning.

Thus, the correct answer is Option 3 Vague

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

- Clear : Easy to perceive; understand or interpret.
- Distinct : Recognizably different in nature from something of similar type.
- Bright : Giving or reflecting much lite; shining.

9. Answer: d

Explanation:

The correct answer is Option 4 i.e Sorrowful

Explanation

Let's look at the meaning of the given word and the marked option :

- Jovial : Cheerfully and friendly
- Sorrowful : Feeling or showing grief.

Hence from the given meanings, we find that both the words express the opposite meaning.

Thus, the correct answer is Option 4 Sorrowful

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

- Happy : Feeling or showing pleasure or contentment.
- Gay : Light-hearted and carefree.
- Merry : Cheerfully and lovely

10. Answer: c

Explanation:

The correct answer is **Option 3.**

💡

The idiom **'spick and span'** means **'clean and tidy.'**

---

11. Answer: b

Explanation:

The idiom 'eat anyone's salt' means 'to be anyone's guest.' Thus option 2 is the correct answer.

---

12. Answer: c

Explanation:

The correct way of structuring the sentence is mentioning the word 'profession' first. The adjective 'teaching' cannot be placed before the noun 'profession.' Option 3 is the correct answer.

---

13. Answer: b

Explanation:

The sentence needs no improvement. The verb 'lies' fits here correctly as the subject is singular.

---

14. Answer: b

Explanation:

The meanings of the words are:

Alien=> belonging to a foreign country

Emigrant=> a person who leaves their own country in order to settle permanently in another

Foreigner=> a person born in or coming from a country other than one's own

Traitor=> a person who betrays someone or something, such as a friend, cause, or principle

Thus option 2 is the correct answer.

---

15. **Answer: c**

Explanation:

The meanings of the words are:

Encyclopaedia=> a book or set of books giving information on many subjects or on many aspects of one subject and typically arranged alphabetically

Textbook=> a book used as a standard work for the study of a particular subject

Dictionary=> a book or electronic resource that lists the words of a language (typically in alphabetical order) and gives their meaning, or gives the equivalent words in a different language, often also providing information about pronunciation, origin, and usage

Novel=> a fictitious prose narrative of book length, typically representing character and action with some degree of realism

Thus option 3 is the correct answer.

---

16. **Answer: b**

Explanation:

The correctly spelt word is 'vehicle'. Thus option 2 is the correct answer.

---

17. Answer: b

Explanation:

The correct word is 'instalment' which means 'a sum of money due as one of several equal payments for something, spread over an agreed period of time.'

---

18. Answer: c

Explanation:

Q must be the first statement as it states what books never do.P follows Q as it states the subject who desert us at times. R completes the statement by stating what the fair-weather friends do. Thus option 3 is the correct answer.

---

19. Answer: b

Explanation:

Q is the first statement as the others do not fit here. P must follow Q as the word 'deal' fits correctly after the word 'good.' R follows P as it states what needs to be crossed. Thus option 2 is the correct answer.

---

20. Answer: d

Explanation:

The correct word here is 'celebrated' as it is a special day to be rejoiced. The other words are incorrect here.

---

21. Answer: a

Explanation:

The word 'hoisting' means 'raising or lifting' and it fits correctly with the word 'flag.' On this day flags are hoisted which is a ceremony. The other words do not convey a proper meaning here.

---

22. Answer: c

Explanation:

The correct word is 'inject' which means 'to introduce something' and fits here correctly. The other words do not fit here logically and grammatically. The word 'witness' means 'experience'. Thus option 3 is the correct answer.

---

23. Answer: b

Explanation:

The word here must convey a positive meaning as the passage makes it clear that these activities inject patriotism so 'oneness' is the correct word. All the other words convey a negative meaning.

---

24. Answer: d

Explanation:

The preposition 'towards' helps us to choose the correct word. Thus 'contribute' is the correct word as it means 'give (something, especially money) in order to help achieve or provide something.' It conveys a proper meaning that the people of India feel to contribute towards their country. The other words do not convey a proper meaning here.

---

25. Answer: c

Explanation:

The correct answer is **'Nice'**

⭐ **Key Points**

- Let's see the meanings of the given words-
  - **Terrible-** extremely bad or serious.
  - **Dire-** extremely serious or urgent.
  - **Nice-** giving pleasure or satisfaction; pleasant or attractive.
  - **Poor-** lacking sufficient money to live at a standard considered comfortable or normal in a society.
- Hence, according to the meanings of the given words, the correct antonym is **'Option 3.'**

---

26. Answer: b

Explanation:

The pattern followed here is:

4 × 7 = 28 + 6 = 34

2 × 3 = 6 + 5 = 11

So, 2 × 4 = 8 + 5 = 13

Thus, 13 is the correct answer.

---

27. Answer: d

Explanation:
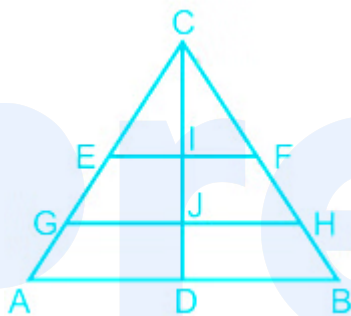
The triangles formed are:

ABC, GHC, EFC, ECI, FCI, CGJ, CHJ, ACD and BCD.

Thus, there are total 9 triangles formed.

---

28. Answer: c

Explanation:

1) 00, 57, 24, 32 → BEA

2) 00, 57, 23, 14 → BET

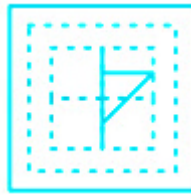3) 95, 42, 66, 96 → BEAT

4) 95, 59, 66, 14 → BAT

Clearly, the number set for the word " **BEAT** " is '95, 42, 66, 96.'

---

29. **Answer: c**

Explanation:

On close observation, we find that question figure is embedded in fig.3, as shown below:

Thus, figure 3 is the correct answer.

---

30. **Answer: b**

Explanation:

Clearly, fig.2 will complete the pattern when placed in the blank space of question figure as shown below:
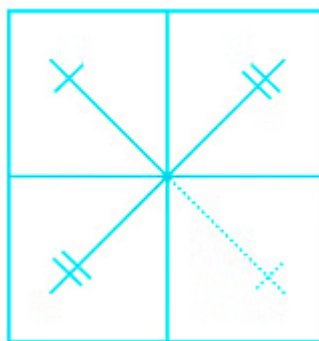
Thus, figure 2 is the correct answer.

---

31. Answer: c

Explanation:

Clearly, fig.3 shows the correct right image of question figure.
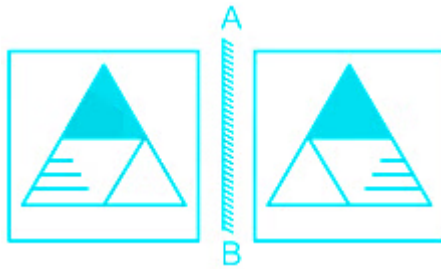
Thus, figure 3 is the correct answer.

32. Answer: a

Explanation:

Clearly, when paper sheet is unfolded it will appear as shown below:
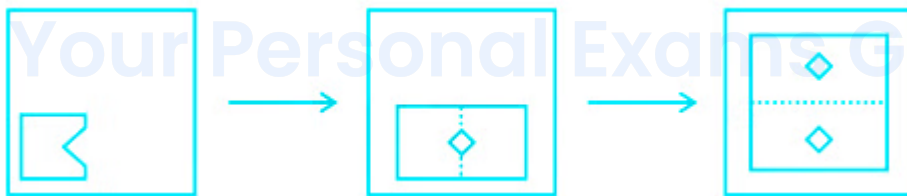
Thus fig.1 is the correct answer.

33. Answer: c

Explanation:

Checking all the symbols:

1) $10 - 0 + 9 \div 5 \neq 10$

2) 10 + 0 – 9 × 5 ≠ 10

3) 10 + 0 × 9 ÷ 5 = 10

4) 10 × 0 + 9 ÷ 5 ≠ 10

Thus, '+, × and ÷' will balance the given equation.

---

34. Answer: b

Explanation:

The pattern followed here is:

1 × 3 × 7 = 21

12 × 1 × 3 = 36

So, 14 × 2 × 0 = 0

Thus, 0 is the correct answer.

---

35. Answer: c

Explanation:

The order will be: (2) **Lam** p, (4) **Lat** ely, (1) **Le** gal, (5) **Li** mps, (3) **Liz** ard.

Thus, 24153 is the correct order.

---

36. Answer: c

Explanation:

The pattern followed here is:

$$
\begin{array}{cccccccc}
+6 & +2 & +4 & +6 & +2 & +4 & +6 & +2 \\
1 \quad 7 & 9 & 13 & 19 & 21 & 25 & 31 & 33
\end{array}
$$
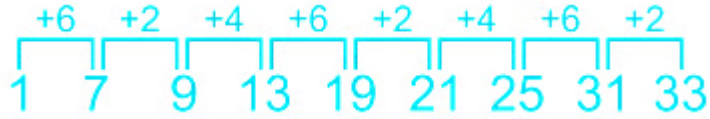
Thus, the missing number is 33.

37. Answer: a

Explanation:

The pattern followed here is:

$$
\begin{array}{ccccc}
& +2 & +2 & +2 & +2 \\
+1 \downarrow & +1 \downarrow & +1 \downarrow & +1 \downarrow & +1 \downarrow \\
A \to B & D \to E & G \to H & J \to K & M \to N
\end{array}
$$

Thus, MN is the missing term which completes the series.

38. Answer: c

Explanation:

Except wind mill, all others are an electrical appliance.

39. Answer: b

Explanation:

The pattern followed here is:

$16 \div 8 = 2, 24 \div 8 = 3$

$18 \div 9 = 2, 27 \div 9 = 3$

26 ÷ 13 = 2, 39 ÷ 13 = 3

But, 32 - 46 does not follow the pattern.
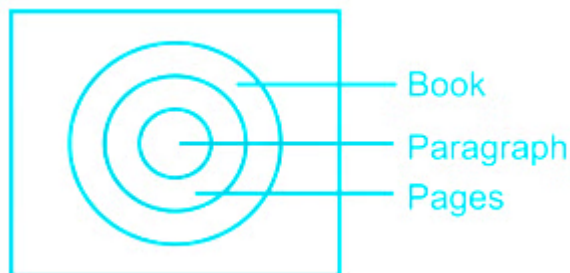
---

40. Answer: d

Explanation:

But,

Thus, PEST - SEPT is the odd letters pair.

---

41. Answer: c

Explanation:

The diagram will be:

Thus, option 3 best represents the relationship between Paragraph, Book and Pages.

---

42. Answer: a

Explanation:

Ice is cold. Likewise, fire generates heat.

Thus, the correct answer is Heat.

---

43. Answer: b

Explanation:

The pattern followed here is:

87 × 3 = 261 – 1 = 260

Like wise; 114 × 3 = 342 – 1 = 341

Thus, 341 is the related number.

---

44. Answer: b

Explanation:

```
N   U
|   |
M   F
```

So as,

```
E   H
|   |
V   S
```

Thus, VS is the correct answer.
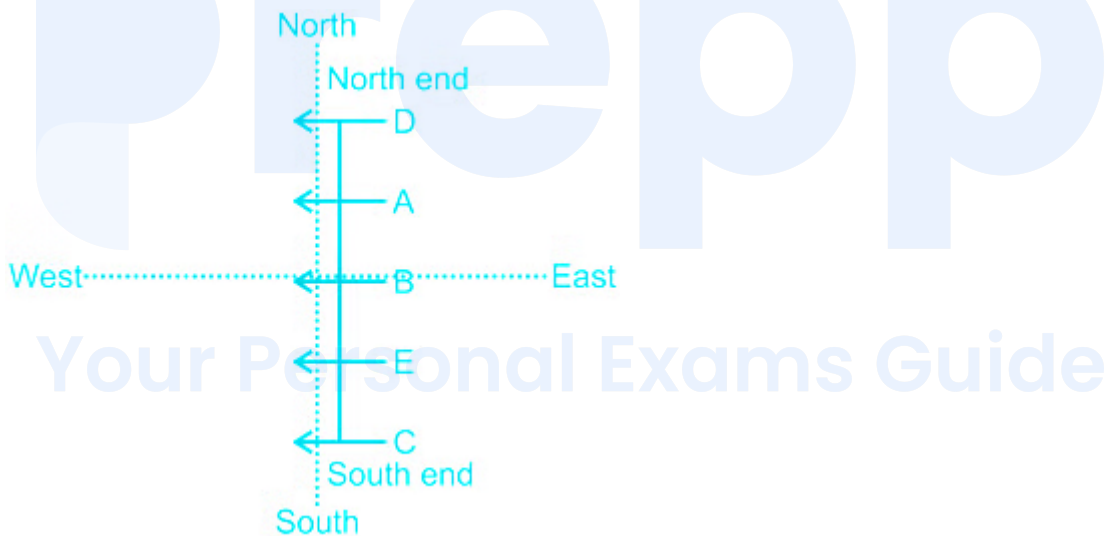
---

45. Answer: c

Explanation:

The word 'SAND' cannot be formed using the letters of the given word as there is no 'A' in the given word.

---

46. Answer: b

Explanation:

Clearly, E is sitting second from the south end.

---

47. Answer: b

Explanation:

Total number of cars = Left position + Right position – 1

So, 40 = 13 + Right position - 1

= 40 - 12 = 28

Thus, 28 is the correct answer.

---

48. **Answer: c**

Explanation:

The possible Venn diagram is:

Explanation:

I. Some cups are tables → It is a definite case, hence true.

II. Some tables are chairs → It is a definite case, hence true.

Thus, both conclusions follow.

⭐ <u>Additional Information</u>

'Some' is a subset of 'All'. If in statements it is given that 'All A are B' then the conclusion 'Some A are B' would always be True.

---

49. **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 pattern followed here is:

```
F   U   N   N   Y
|   |   |   |   |
-2  -2  -2  -2  -2
|   |   |   |   |
D   S   L   L   W
```

Similarly,

```
P   R   I   D   E
|   |   |   |   |
-2  -2  -2  -2  -2
|   |   |   |   |
N   P   G   B   C
```

Thus, NPGBC is the correct code for "PRIDE".

---

50. **Answer: b**

Explanation:

The colour of milk is white and in code language 'white' is coded as 'orange.'

Thus, the correct answer is 'Orange'.

---

51. **Answer: b**

Explanation:

$\Rightarrow 6^3 + 7^3 + 8^3 + \ldots 10^3$

$\Rightarrow 216 + 343 + 512 + 729 + 1000 = 2800$

---

52. Answer: d

Explanation:

Considering the first statement:

$\Rightarrow 2^{300} > 3^{200} \Rightarrow (2^3)^{100} > (3^2)^{100}$

$\Rightarrow 8^{100} > 9^{100}$

∴ Clearly the above statement is incorrect as 9 is greater than 8.

Considering the second statement:

$\Rightarrow 6^{100} > 2^{300} \Rightarrow 6^{100} > 8^{100}$

Again, the above statement is incorrect as 8 is greater than 6.

∴ Neither of the statements are true

---

53. Answer: a

Explanation:

We know that the largest two digit number is 99.

If the number is supposed to be divisible by both 5 and 6, then the number is divisible by 5 × 6 = 30.

$\Rightarrow 99/30 = (30 \times 3) + 9$

∴ 99 is not exactly divisible by 30.

∵ 9 is the remainder, we subtract 9 from 99 to get a number exactly divisible by 30.

∴ The largest two-digit number divisible by both 5 and 6 = 99 – 9 = 90

---

54. **Answer: b**

Explanation:

If 34P8 is divisible by 9, then the sum of digits is divisible by 9.

⇒ 3 + 4 + P + 8 = 9m

⇒ 15 + P = 9m

⇒ The nearest multiple of 9 is 18

∴ P = 3

---

55. **Answer: c**

Explanation:

Calculation:

$16^{10} = 16^{2 \times 5} \Rightarrow 256^5$

Here the unit's digit is the unit digit of the product of 6^5

⇒ 6 × 6 × 6 × 6 × 6 = 36 × 36 × 6

⇒ 36 × 6 → unit digit is 6.

∴ Unit digit of 16^{10} is 6.

---

56. **Answer: a**

Explanation:

⇒ $3^{x+3} + 3^{x-2} = 244$

⇒ $3^x . 3^3 + 3^x / 3^2 = 244$

⇒ $3^x (27 + 1/9) = 244$

⇒ $3^x \times (244/9) = 244$

⇒ $3^x = 3^2$

∴ x = 2

---

57. Answer: a

Explanation:

Time taken by tap P to fill the tank = 20 minutes

⇒ Part of tank filled in 1 minute = 1/20

Similarly, tank filled by Q and R in 1 min = 1/30 and 1/40 respectively.

⇒ Part of tank filled by all three taps in 1 minute = 1/20 + 1/30 + 1/40 = 13/120

∴ Tank will be completely filled in 120/13 minutes = $9\frac{3}{13}\ minutes$

---

58. Answer: b

Explanation:

Tank filled by U and V in 1 hour = 1/12 and 1/20 respectively

Tank emptied by W in 1 hour = 1/8

∴ Tank filled by all three in 1 hour = 1/12 + 1/20 – 1/8 = 1/120

∴ Tank will be filled in 120 hours

---

59. **Answer: a**

Explanation:

Given:

Surface area of cube = 294 cm ^{2}

Formula used:

Surface area of cube = 6a ^{2}

Volume of the cube = a ^{3}

Where,

a, is the side of the cube.

Calculation:

According to the question:

⇒ Surface area of cube = 6a ^{2}

⇒ a ^{2} = 294/6 = 49

⇒ a = 7 cm

Now,

Volume of the cube = a ^{3}

⇒ Volume of the cube = 7 ^{3} = 343 cm ^{3}

∴ **The volume of the cube is 343 cm 3.**

---

60. Answer: a

Explanation:

Let the Cost Price be x

⇒ Marked Price = 1.35x

Now, discount % = 40%

⇒ Selling Price = 1.35x – (0.4 × 1.35x) = 0.81x

∴ Loss % = [(x – 0.81x)/x] × 100 = 19%

---

61. Answer: d

Explanation:

Given:

The selling price of the article = Rs 6225

Discount = 17%

Formula used:

S.P = M.P × (100 – D%)/100

Where,

S.P = Selling price

M.P = Marked price

D = Discount%

Calculation:

S.P = M.P × (100 – D%)/100

⇒ 6225 = M.P × (100 – 17)/100

⇒ M.P = (6225 × 100)/(83)

⇒ M.P = 7500

∴ The marked price of the article is Rs 7500

---

62. **Answer: c**

Explanation:

Let their monthly incomes be 4x and 9x respectively.

Let their expenditures be y and 3y respectively.

Now, both of them save 9000 every month

4x – y = 9000 and 9x – 3y = 9000

⇒ 4x – y = 9x – 3y

⇒ 5x = 2y

⇒ y = 2.5x

Substituting y's value in any one of the equations

⇒ 4x – 2.5x = 9000

⇒ 1.5x = 9000

⇒ x = 9000/1.5 = 6000

Deepak's salary = 4 × 6000 = Rs. 24000

Hence the correct answer is Rs.24000

---

63. Answer: b

Explanation:

Let the numbers be 2x, 7x, 9x and 11x respectively.

$\Rightarrow (7x + 9x) = 45 + (2x + 11x)$

$\Rightarrow 16x = 45 + 13x$

$\Rightarrow 3x = 45$

$\Rightarrow x = 45/3 = 15$

$\therefore U + X = 2x + 11x = 30 + 165 = 195$

64. Answer: c

Explanation:

$\Rightarrow$ Average weight of 11 students = 37

$\Rightarrow$ Sum of weights of 11 students = 37 × 11 = 407

Now, average weights of 10 students = 35

$\Rightarrow$ Sum of weights of 10 students = 35 × 10 = 350

$\therefore$ Weight of the student who left = 407 − 350 = 57 kg

<u>ALTERNATE SOLUTION:</u>

Weight of student who left = (37 × 11) − 350 = 57

65. Answer: d

Explanation:

Given:

Selling Price = Rs. 60 more than the cost price

Profit = 15%

Formula used:

C.P = (S.P × 100)/(100 + profit %)

Where,

C.P = Cost Price

S.P = Selling Price

Calculation:

Let Cost price be Rs. x

According to the question:

Selling Price = Rs. (60 + x)

C.P = (S.P × 100)/(100 + profit %)

$\Rightarrow$ x = [(60 + x) × 100)]/(100 + 15%)

$\Rightarrow$ x = (6000 + 100x)/115

$\Rightarrow$ 115x − 100x = 6000

$\Rightarrow$ 15x = 6000

$\Rightarrow$ x = 6000/15 = Rs. 400

$\therefore$ The Cost price is Rs. 400

⭐ **Alternate Method**

Selling Price = Cost Price + 60

⇒ Profit = 15%

[(Selling Price - Cost Price)/Cost Price] × 100 = 15

60/Cost Price = 0.15

⇒ Cost Price = 60/0.15

∴ Cost Price = Rs. 400

---

66. **Answer: a**

Explanation:

Given:

Selling Price = Rs. 144

Profit = 20%

Formula used:

C.P = (S.P × 100)/(100 + profit %)

Where,

C.P = Cost Price

S.P = Selling Price

Calculation:

C.P = (S.P × 100)/(100 + profit %)

⇒ C.P = (144 × 100)/(100 + 20%)

⇒ C.P = (144 × 100)/120 = Rs. 120

∴ The Cost price is Rs. 120.

⭐ <u>Alternate Method</u>

Given:

Selling Price = Rs. 144

Profit = 20%

Calculation:

According to the question:

[(Selling Price − Cost Price)/Cost Price] × 100 = 20

⇒ 144 − Cost Price = 0.2 Cost Price

⇒ 1.2 Cost Price = 144

∴ The Cost price is Rs. 120.

---

67. **Answer: b**

Explanation:

⇒ 0.3P = 0.4Q

⇒ P = 0.4/0.3 × Q

∴ P = 1.33Q

⇒ Required % = [(P − Q/P] × 100

∴ Required % = [(1.33Q − Q)/1.33Q] × 100 = 25%

---

68. **Answer: c**

Explanation:

⇒ P = 1.3Q → Q = 0.769P

⇒ R = 0.7Q → Q = 1.428R

⇒ 0.769P = 1.428R

⇒ P = 1.857R

∴ Required % = [(P – R/P] × 100 = [(1.857R – R/1.857R] × 100 = 46.18%

---

69. **Answer: a**

Explanation:

GIVEN:

Speed of the train = 36 km/h

Length of the train = 200 m

Train crosses a platform in 45 seconds

FORMULA USED:

Speed = Distance / Time

CALCULATION:

Let the length of platform be 'x'

⇒ Total distance travelled by train = x + 200

Speed of train = 36km/hr = 10 m/s

Time taken = 45 s

10 = (x + 200)/45

⇒ x + 200 = 450

∴ x = 450 − 200 = 250 m

---

70. Answer: a

Explanation:

⇒ Let the distance between home and office be 'x'

$t_1 = x/10$

Similarly, $t_2 = x/40$

Now, Average Speed = Total Distance/total time = $2x/(t_1 + t_2) = 2x/(x/10 + x/40) = 16$ km/hr

∴ Average Speed = 16 km/hr

---

71. Answer: b

Explanation:

Principal Amount = Rs. 2000

Amount = Rs. 2420

Number of years = 2

Amount = $P(1 + r/100)^t$, where P is the principal, r is the rate of interest and t is the time period

$2420 = 2000 (1 + r/100)^2$

$1.21 = 1.0201r^2$

∴ $r = \sqrt{\frac{1.21}{1.0201}} \approx 10\%$

---

72. **Answer: a**

Explanation:

% of people literate in 2012 = (814/3072) × 100 = 26.49%

---

73. **Answer: a**

Explanation:

% increase in population from 2011 to 2012 = [(3072 – 3042)/3042] × 100 = 0.98%

---

74. **Answer: a**

Explanation:

% increase in literacy from 2014 to 2015 = [(1380 – 1250/1250] × 100 = 26.49% = 10.4%

---

75. **Answer: d**

Explanation:

Average number of literate people = (712 + 814 + 917 + 1250 + 1380 + 1560)/6 = 1105.5

---

76. **Answer: a**

Explanation:

- **Minimum support price (MSP**) is form of market intervention by the Government of India to insure agricultural producers against any sharp fall in farm prices. It is based on **recommendation** of **Commission for Agricultural Costs & Prices (CACP).**
- Declared for five groups of commodities namely Kharif crops, Rabi crops, Sugarcane, Raw Jute and Copra
- CACP is attached office of the Ministry of Agriculture and Farmers Welfare; Government of India came into existence January **1965** .
- Chairperson CACP (As on June 2018)- **Vijay Paul Sharma**
- Cabinet Committee on Economic Affairs (CCEA) of the Union government takes a **final decision** on the level of MSPs and other recommendations made by CACP.
- Chairperson CCEA – Prime minister

---

77. **Answer: a**

Explanation:

The correct answer is <u>Primary sector</u>

The **three-sector theory** was developed by Allan Fisher, Colin Clark and Jean Fourastié

Sector of economy	Nature of activity	Examples
Primary	Extraction of raw materials	Hunting and gathering, pastoral activities, fishing, forestry, agriculture, and mining and quarrying.
Secondary	Manufacturing	Manufacturing processing and construction (infrastructure) industries.
Tertiary	Services	Trade and commerce, retail trading services, communication services

Other sector

Quaternary	Knowledge Sector	tax consultants, software developers and statisticians
Quinary	creation, re-arrangement and interpretation of new and existing ideas	senior business executives, government officials, research scientists, financial and legal consultants

78. **Answer: a**

Explanation:

Type of government	Nature	Present Examples
Democratic	Government by the people exercised either directly or through elected representatives.	India,USA
Monarchic	Ruled by a monarch such as a king or queen with powers limited by constitution. head of state is hereditary	United Kingdom, Netherlands
	Absolute monarchy- unlimited power.	Vatican City, Brunei, Swaziland, Saudi Arab
Aristocratic	strength in the hands of a small, privileged ruling class	-
Autocratic	supreme power (social and political) is concentrated in the hands of one person	-

79. **Answer: d**

Explanation:

- A **Gram Panchayat** is the grassroots-level of Panchayati Raj formalised local self-governance system in India at the village or small-town level divided into wards

- The 73rd Constitutional Amendment Act (April1993) provided a Constitutional status to the Panchayati Raj Institutions in India through insertion of Article 243 to Part IX of Indian Constitution.
- **National Panchayati Raj Day –** 24 April
- Minister of Panchayati Raj(June 2018) - Narendra Singh Tomar

Three Tier Structure	Known as	Elected head	Head of administration
Village level	Village/ Gram panchayat	Sarpanch	Gram sevak
Block level	Panchayat / Anchal samiti or mandal parishad	chairman	Block development officer (BDO)
District level	Zila Parishad	Chairman	Chief executive officer (CEO)

80. **Answer: a**

Explanation:

- Vernacular Press Act was passed by Lord Lytton (1876–80) then Viceroy of India to curtail the freedom of the Indian press and prevent the expression of criticism toward British policies
- The act excluded English-language publications as it was meant to control seditious writing in publications in Oriental languages.
- Ilbert Bill -1883 during the Viceroyship of the Ripon. According to the Act, Indian judges could try a European accused.
- Arms Act -1878 to consolidate and amend the law relating to arms and ammunition in order to curb illegal weapons and violence stemming from

them
- Regulating act of 1773 intended to overhaul the management of the East India Company's rule in India in tenure of Governor general Warren Hasting

---

81. Answer: b

Explanation:

- **Raziya sultan** - Sultan of Delhi (1236 to 1240), a member of the Mamluk dynasty, she is known for being the **only female** ever to rule the Delhi Sultanate.
- Iltutmish introduced Arabic coinage into India and silver *tanka* of 175 grams

Dynasty	Founder	Period
Qutbi	Qutbuddin Aibak	1206-1211
First Ilbari	Shamsuddin Iltutmish	1211-1266
Second Ilbari	Ghiyasuddin Balban	1266-1290
Khalji	Jalaluddin Khalji	1290-1296

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82. Answer: a

Explanation:

- **Star** - any massive self-luminous celestial body of gas that shines by radiation derived from its internal energy sources

- **Satellite** - A satellite is a body that orbits around another body in space.
- **Natural satellites** - Moon.
- **Man-made satellite** - Hubble Space Telescope and the International Space Station
- **Planet** - a celestial body moving in an elliptical orbit around a star.
- **Meteoroid** - small rocky or a metallic object travelling through space.

---

83. Answer: a

Explanation:

- Latitude- All parallel circles from equator up to poles are called parallel of latitude. It is measured in degrees.
- Longitudes- Line of references running from North Pole to South Pole. Distance between them is measured in degrees.
- Meridian- the half of an imaginary great circle on the Earth's surface, terminated by the North Pole and the South Pole, connecting points of equal longitude

---

84. Answer: a

Explanation:

- Shrubs- small to medium-sized woody plants having persistent woody stems above the ground. Examples- China rose, lemon.
- Herbs- any seed-bearing plant which does not have a woody stem and dies down to the ground after flowering. Examples- Tomato, wheat, grass.
- Trees- a perennial plant with an elongated stem or trunk. Trees are big and tall plants. Examples- Banyan, mango, cashew.

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85. Answer: b

Explanation:

Most plants can be generally classified into three categories depending on characteristic such as stature. Three broad categories are Shrubs, Herbs and Trees.

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86. **Answer: c**

Explanation:

Concept:-

- Lungs : a pair of spongy, air-filled organs of the lower respiratory tract.
- Location: within the thoracic cavity, on either side of the heart within ribs.
- Weight: 1.3kg

⭐ **Important Points**

- **Bronchus** - A passage of the airway in the respiratory system that conducts air into the lungs.
- **Alveoli** - many tiny air sacs of the lungs which allow for rapid gaseous exchange.
- **Bronchioles** – Each bronchus undergoes repeated divisions ending up in very thin terminal bronchioles.
  - Bronchioles **are the narrowest and most numerous tubes in the lungs.**
- **Hilum** - a part of an organ where structures such as blood vessels and nerves enter the body.
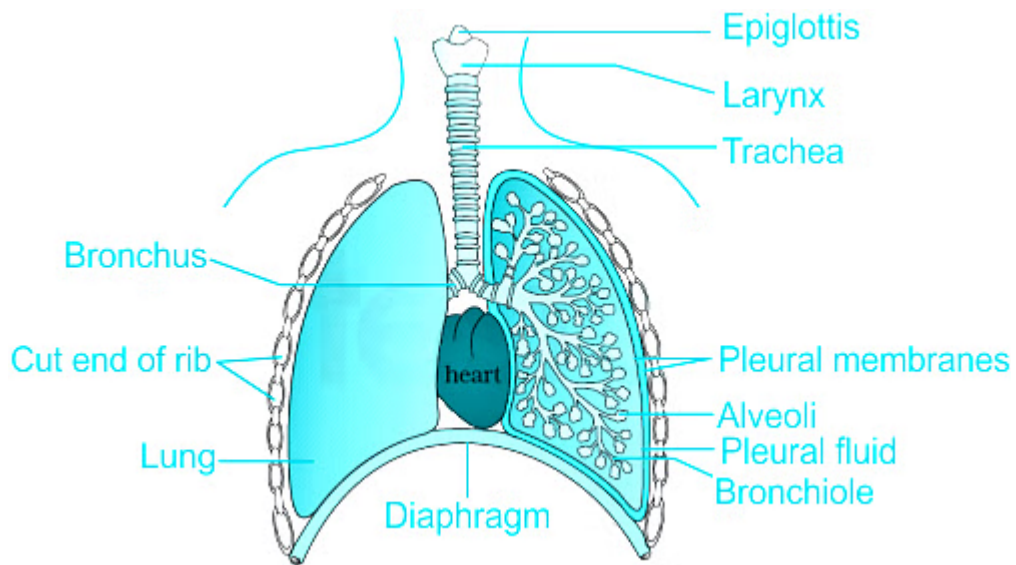
87. Answer: d

Explanation:

- The **rate of change of displacement** of an object is velocity.
- SI unit of velocity = m/s.
- **Velocity** is a **vector** quantity.

88. Answer: a

Explanation:

- SI unit for the average velocity is m/s.
- The average velocity of an object is its total displacement divided by the total time taken.
- Average velocity is a **Vector** quantity.

89. Answer: a

Explanation:

- An output device is any device used to send data from a computer to another device or user
- Printer - A device that accepts text and graphics output from a computer and transfers the information to paper, usually to standard size sheets of paper
- RAM (Random-access memory) - is a form of computer data storage that stores data and machine code currently being used
- ROM (Read-only memory) is a type of non-volatile memory used in computers and other electronic devices.
- Joystick an input device consisting of a stick that pivots on a base and reports its angle or direction to the device it is controlling.

90. **Answer: d**

Explanation:

- Mercury (Hg) atomic number - 80 commonly known as quicksilver.
- Mercury is the only metallic element that is liquid at standard conditions for temperature and pressure.

Symbol	Common Name	Latin Name
Ag	Silver	Argentum
Pb	Lead	Plumbum
K	Potassium	Kalium

91. Answer: c

Explanation:

- Mixture - A material obtained by mixing two or more substances in any indefinite proportion is called a mixture.
- Example- Milk, Sea water, Petrol, Paint, Cement, soil, lime water. Ice is pure substance.

---

92. Answer: d

Explanation:

Aquifer underground layer where the material contains water.

Water cycle describes how water evaporates from the surface of the earth, rises into the atmosphere, cools and condenses into rain or snow in clouds, and falls again to the surface as precipitation.

Water table also called Groundwater Table, upper level of an underground surface in which the soil or rocks are permanently saturated with water.

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93. Answer: d

Explanation:

- Pradhan Mantri Jan-Dhan Yojana (PMJDY) is National Mission for Financial Inclusion to ensure access to financial services, namely, Banking/Savings & Deposit Accounts, Remittance, Credit, Insurance, Pension in an affordable manner Launched on 28 August 2014.
- The account can be opened in any bank branch or Business Correspondent (Bank Mitr) outlet. Accounts opened under PMJDY are being opened with Zero

balance. However, if the account holder wishes to get the checkbook, he/she will have to fulfill the minimum balance criteria

- Run by Department of Financial Services, Ministry of Finance.

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94. **Answer: b**

Explanation:

Scientist	Innovation	Country
J.L. Baird	Television	UK
Benjamin Franklin	Electricity	USA
E. Rutherford	Alpha and beta rays, laws of radioactive decay.	New Zealand
J.C. Maxwell	Colour photography	UK

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95. **Answer: d**

Explanation:

- **2017 Women's Cricket World Cup** was an international women's cricket tournament that took place in England.
- England won the final against India at Lord's.
- Captain of Indian women's Team- Mitali raj (ODI and Test), Harmanpreet Kaur- T20, Coach- Tushar Arothe

96. **Answer: d**

Explanation:

- <u>Sun Temple, Konark</u>(Odisha) is also known to as the 'Black Pagoda'. The temple is attributed to king Narasimhadeva I of the Eastern Ganga Dynasty about 1250 CE.
- Trimbakeshwar Temple, Nasik (Maharashtra) is dedicated to the god Shiva and is one of the twelve Jyotirlinga. origin of the sacred Godavari rivers near Trimbak.
- Ramanathaswamy Temple, Rameswaram (Tamil Nadu) one of the twelve Jyotirlinga temples.
- Banke Bihari Temple, Vrindavan – Dedicated to Lord Krishna.

97. **Answer: b**

Explanation:

- Former Indian women's captain Shanta Rangaswamy received the Board of Control for Cricket Lifetime Achievement Award for Women
- She is first woman recipient of the Arjuna Award in 1976.

98. **Answer: a**

Explanation:

- Sanjay Baru is the author of the book named "The Accidental Prime Minister : the making and unmaking of Manmohan Singh"
- He is a political commentator and policy analyst, currently serving as Secretary General of the Federation of Indian Chambers of Commerce and Industry (FICCI)

99. Answer: c

Explanation:

The 2000 **Treaty of Jeddah** resolved a border dispute between Saudi Arabia and Yemen dating back to Saudi boundary claims made in 1934

Country	Yemen	Afghanistan	Iran	Sudan	Saudi Arabia
Capital	Sana	Kabul	Tehran	Khartoum	Riyadh
Currency	Yemeni rial	Afghan afghani	Iranian rial	Sudanese pound	Saudi riyal
Head of government	Ahmed Obeid bin Daghr	Ashraf Ghani	Hassan Rouhani	Omar al-Bashir	Salman of Saudi Arabia

100. Answer: c

Explanation:

- East Pakistan was the eastern provincial wing of Pakistan till 1971, covering the territory of the modern country Bangladesh. Its land borders were with India and Burma (Myanmar), with a coastline on the Bay of Bengal
- Sheikh Mujibur Rahman found the father of the People's Republic of Bangladesh

- Sheikh Hasina Wazed is the current Prime Minister of Bangladesh, in office since January 2009.