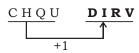
### SSC MOCK TEST - 130 (SOLUTION)

1. (B) Heart is an organ of a body. Similarly, Eyes is also an **organ** of a body.



Similarly,



 $3. (D) 48 = 12 \times 4$ 

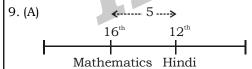
$$63 = 12 \times 5 + 3$$

Similarly,

 $128 = 16 \times 8$ 

 $147 = 16 \times 9 + 3$ 

- 4. (B) **Dairy** is not the only place of production of **milk**.
- 5. (B) **A** is vowel.
- 6. (D) **120** is a multiple of 3
- 7. (D) Tingling  $\rightarrow$  Topper  $\rightarrow$  Traction  $\rightarrow$  Train  $\rightarrow$  Tumbler.
- 8. (C) According to Aman
  dates of match = 27, 28 and 29 May
  but according to Sumit,
  dates of match = 23, 24, 25, 26 and 27 May
  So, the common date = 27 May
  Hence, match will be held on **27 May**.

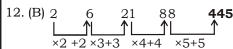


Hence, Required number of books = 16 + 6 + 12 - 1

= 33

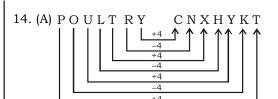
10. (D) Pain

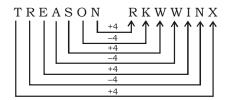




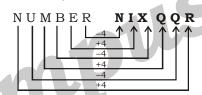
13. (B) 4096 3375 2744 **2197**

$$\downarrow \qquad \downarrow \qquad \downarrow$$
 $16^3 \qquad 15^3 \qquad 14^3 \qquad 13^3$ 





Similarly,



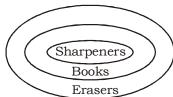
15.(A) **Option A 30 – 6 = 4 \times 5 + 4** 

Option B  $30 \times 6 \neq 4 \times 5 - 4$ 

Option C  $30 \neq 6 \times 4 \times 5 - 4$ 

Option D  $30 - 6 + 4 + 5 \times 4$ 

16. (B) 
$$13 \times 9 - (13 + 9 + 1) = 94$$
  
 $18 \times 7 - (18 + 7 + 1) = 100$   
 $25 \times 6 - (25 + 6 + 1) = 118$ 



I True

II True

- 18. (C) 13
- 19. (A) (9+17) (10+14) = 2 (9+20) (11+16) = 2

(9 + 2) - (5 + 9) = 2

- 20. (D) 21. (C) 22. (D) 23. (B)
- 24. (B) 25. (D)
- 26. (A) The **Ethiopian Birr** is the currency of **Ethiopia**. In the 18<sup>th</sup> and 19<sup>th</sup> centuries, Maria Theresa thalers and blocks of salt called "amole tchew" served as currency



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in Ethiopia. The thaler was known locally as the **Birr or taleri**.

- Togo currency : **CFA franc**
- Eritrea Currency: Eritrean nakfa
- Estonia Currency: Euro
- 27. (B) Amending the Constitution of India is the process of making changes to the nation's fundamental law or supreme law. The procedure of **amendment in the constitution** is laid down in **Part XX** (Article 368) of the Constitution of India.
- 28. (B) Canada's 9.984 million square kilometers make it the **Second largest** country in the western hemisphere, and its 202,080 kilometer coastline means that it has a longer shoreline than any other nation. Below is the list of the **largest 7** countries-

| Rank | Country       | Area sq.km |
|------|---------------|------------|
| 1    | Russia        | 17,098,242 |
| 2    | Canada        | 9,984,670  |
| 3    | United States | 9,826,675  |
| 4    | China         | 9,596,960  |
| 5    | Brazil        | 8,514,877  |
| 6    | Australia     | 7,741,220  |
| 7    | India         | 3,287,263  |

- 29. (A) **Ganymede** is the largest and most massive moon of **Jupiter** and in the Solar System. Ganymede is composed of approximately equal amounts of **Silicate rock** and **water ice**. It is a fully differentiated body with an iron-rich, liquid core, and an internal ocean that may contain more water than all of Earth's oceans combined.
- 30. (A) **Pond silk** is the common name of **Spirogyra (algae)** because it is very slimy in shape. Spirogyra is a genus of filamentous Chlorophyte green algae of the order Zygnematales, named for the helical or spiral arrangement of the chloroplasts that is diagnostic of the genus. It is commonly found in freshwater areas, and there are more than **400 species of Spirogyra in the world**.
- 32. (B) **Condensation** is the process by which water vapor in the air is changed into liquid water. Condensation is crucial to

- the water cycle because it is responsible for the formation of clouds.
- 33. (B) Bauxite, the most important ore of **Aluminium**, contains only 30–60% Aluminium Oxide, (Alumina), Al<sub>2</sub>O<sub>3</sub>, the rest being a mixture of Silica, various iron Oxides, and Titanium Dioxide. It is expensive, largely because of the amount of electricity used up in the extraction process.
- 37. (A) Maharaja Ranjit Singh was a Sikh ruler of the Punjab. His tomb is located in Lahore, Pakistan. Ranjit Singh made Lahore his capital in 1799 and was able to expand the kingdom to the Khyber Pass and also included Jammu and Kashmir, while keeping the British from expanding across the River Sutlej for more than 40 years.
- 38. (C) **Cerebellum** is a large portion of the **brain**, serving to coordinate voluntary movements, posture, and balance in humans, being in back of and below the cerebrum and consisting of two lateral lobes and a central lobe.
- 40. (A) Bidhan Chandra Roy Award was instituted in 1962 in memory of B. C. Roy by Medical Council of India. The Award is given annually in each of the following categories: Statesmanship of the Highest Order in India, Medical man-cum-Statesman, Eminent Medical Person, Eminent person in Philosophy, Eminent person in Science and Eminent person in Arts. It was first awarded in 1973 to SandipMukerjee, FRCS, of Willingdon Hospital, New Delhi, by then President VV Giri.
- 42. (B) A Guide to Oil Shale, **Coal**, and Other Sedimentary Rocks. When rocks are formed from dead organisms and/or rocks that currently exist, they are called sedimentary rocks. They can be divided into three types: clastic, organic, and chemical.
- 43. (C) The Insurance Regulatory and Development Authority (IRDA) is a national agency run by the Government of India. IRDA "Protect the interests of the



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policyholders, to regulate, promote and ensure orderly growth of the insurance industry and for matters connected therewith or incidental thereto."

- 46. (D) The **Fourth Estate** is a segment of society that wields an indirect but significant influence on society even though it is not a formally recognized part of the political system. The most commonly recognized part of the fourth estate is the news media.
- 47. (D) Mumbai batsman Prithvi Shaw will lead a 16-member Indian team in ICC Under-19 Cricket World Cup 2018. The 16-team event will be held in from New Zealand13th January to 3rd February 2018.
- 48. (D) Prime Minister NarendraModi has launched another flagship social security scheme Pradhan Mantri Suraksha Bima Yojana (PMSBY) which is an accidental death and disability insurance scheme. The premium amount is automatically debited from the bank account of the scheme holder. If the subscriber meets with an accident and suffers partial permanent disability, then Rs.1 lakh is paid.
- 50. (B) The Union Cabinet chaired by Prime Minister NarendraModi has recently approved the Ministry of Railways' transformative initiative to set-up India's firstever National Rail and Transport University in Vadodara to skill its human resources and build capability.
- 51. (C) ATQ,  $2765 = 57 \times 48 + 29$ Hence, quotient = 57
- 52. (D) ATQ,

$$\begin{array}{c} A+B\rightarrow 25 \\ A\rightarrow 40 \end{array} > 200 < \begin{array}{c} 8 \\ 5 \end{array}$$

Hence, Required days =  $\frac{1}{2} \times \frac{200}{(8-5)}$ 

$$= \frac{100}{3} days$$

53. (B) ATQ, Other side of rectangle =  $\sqrt{74^2 - 24^2}$ =70 cm

Hence, required area =  $70 \times 24$ = 1680 cm<sup>2</sup>

- Required S.P. =  $8400 \times \frac{160}{100} \times \frac{90}{100}$ 54. (C) **= ₹12096**
- 55. (B) ATQ,

$$\frac{94+x}{24+x} = \frac{100+x}{26+x}$$

$$94 \times 26 + 26x + 94x + x^2 = 24 \times 100 + x^2 + 100x + 24x$$

- $\Rightarrow 4x = 44$
- $\Rightarrow x = 11$

Hence, Required number 11

56. (C) A.T.Q.

$$\frac{15x + 81}{16} = x + 3$$

Hence, Required average = 33

C.P. of one banana =  $\frac{80}{16}$  = ₹5 57. (A)

S.P. of one banana = 
$$\frac{32}{5}$$
 = ₹6.4

then, profit = 
$$\frac{(6.4-5)}{5} \times 100 = 28\%$$

58. (A) 170 100 amount then,

B's share = 
$$\frac{1620}{(100+170)} \times 100$$

59. (C) Let the distance travelled by him on foot = x

$$\frac{x}{9} + \frac{126 - x}{21} = 10$$

$$\Rightarrow 21x + 126 \times 9 - 9x = 9 \times 21 \times 10$$

$$\Rightarrow 12x = 1890 - 1134$$

$$\Rightarrow \quad x = \frac{756}{12} = 63$$

Hence, Required distance = 63 kms

60. (A) A.T.Q.

$$P\left(1 + \frac{15}{100}\right)^2 - P = 20640$$

⇒ 
$$P \frac{529}{400} - P = 20640$$
  
⇒  $129P = 20640 \times 400$ 

$$\Rightarrow 129P = 20640 \times 400$$

$$\Rightarrow P = \frac{20640 \times 400}{129} = 64000$$

Hence, Required amount = ₹64000

 $\frac{5x}{2} - \left[ \frac{5\left(6x + \frac{9}{2}\right)}{} \right] = \frac{7}{8}$ 61. (B)



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$$\Rightarrow \frac{20x}{8} - \frac{60x + 45}{8} = \frac{7}{8}$$
$$\Rightarrow -40x = 52$$
$$\Rightarrow x = -\frac{13}{8}$$

62. (B) ATQ,  

$$a^3 - b^3 = (a - b) [(a - b)^2 + 3ab]$$
  
 $\Rightarrow 386 = 2[4 + 3ab]$   
 $\Rightarrow 386 = 8 + 6ab$   
 $\Rightarrow ab = 63$ 

63. (D) ATQ,  

$$x - \frac{2}{x} = -\frac{1}{6}$$

$$\Rightarrow 6x^{2} - 12 = -x$$

$$\Rightarrow 6x^{2} + x - 12 = 0$$

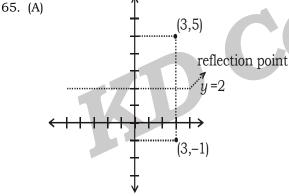
$$\Rightarrow 6x^{2} + 9x - 8x - 12 = 0$$

$$\Rightarrow 3x(2x + 3) - 4(2x + 3) = 0$$

$$\Rightarrow (3x - 4)(2x + 3) = 0$$

$$\Rightarrow x = \frac{4}{3}, -\frac{3}{2}$$

$$S_{47} = \frac{47}{2} (-50 \times 98)$$
  
=  $47 \times 24 = 1128$ 



Hence, reflection point = 3, 5 66. (B) ATQ,

$$(3, 2) = \left(\frac{x+4+4}{3}, \frac{y-1+2}{3}\right)$$

$$\Rightarrow \frac{x+8}{3} = 3, \frac{y+1}{3} = 2$$
$$\Rightarrow x = 1, y = 5$$

Hence, Required point = (1, 5)

67. (C) ATQ,  

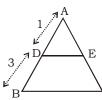
$$ax - 6y = -6$$
  

$$\Rightarrow y = \frac{ax}{6} + \frac{6}{6}$$

Slope of line  $(ax - 6y = -6) = \frac{a}{6}$ 

but 
$$\frac{a}{6} = \frac{-3}{2}$$

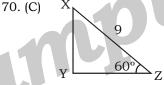
68. (A) 
$$\frac{\text{area of } \Delta ABC}{\text{area } \Delta ADE} = \left(\frac{AD + BD}{AD}\right)^2 = \left(\frac{3+1}{1}\right)^2$$
$$= \frac{16}{1}$$



Then, area of BDEC = 16 - 1 = 15 unit but 16 units = 80 cm<sup>2</sup>

then, 15 units = 
$$\frac{80}{16} \times 15 = 75 \text{ cm}^2$$
  
Hence, area of BDEC = **75 cm**<sup>2</sup>

69. (C) 
$$\sqrt{2} \sec 45^{\circ} + \frac{1}{\sqrt{3}} \tan 30^{\circ}$$
  
=  $\sqrt{2} + \sqrt{2} + \frac{1}{\sqrt{3}} \times \frac{1}{\sqrt{3}} = \frac{7}{3}$ 



$$\cos 45^{\circ} = \frac{YZ}{XZ}$$

$$\Rightarrow \frac{1}{\sqrt{2}} = \frac{YZ}{XZ}$$

$$\Rightarrow YZ = \frac{9}{\sqrt{2}} \text{ cm}$$

71. (A) 
$$\sec\theta = \frac{17}{15}$$
, then  $\cos\theta = \frac{15}{17}$  and  $\sin\theta = \frac{8}{17}$  then,  $\csc\theta = \frac{17}{8}$ 

73. (B) Required increment = 
$$\frac{(0.9 - 0.8)}{0.8} \times 100$$
  
= 12.5%

74. (A) Petrol Vehicle = 
$$(100 - 35)$$
  
  $\times \frac{(0.4 + 0.8 + 0.3 + 0.1 + 0.9 + 0.2)}{100}$ 

#### = 1.755 millions.

Environmental revenue = 
$$\frac{810000 \times 2.5}{100}$$
= **₹2.03 billion**



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# **MEANINGS IN ALPHABETICAL ORDER**

| Word          | Meaning in English                           | Meaning in Hindi                |
|---------------|--|---------------------------------|
| Amenable      | Readily yielding, submitting or co-operating | वशवर्ती, आज्ञाकारी              |
| Bate          | To reduce the force or intensity of          | तीव्रता कम करना                 |
| Chastise      | To censure severely                          | डांटना                          |
| Contour       | An outline especially of curving figure      | रूपरेखा                         |
| Despot        | A dictator                                   | तानाशाह                         |
| Docile        | Easily led or managed                        | विनम्र, आज्ञाकारी               |
| Doodle        | To draw something without thinking about     | बिना लक्ष्य के चित्र बनाना      |
|               | what you are doing                           |                                 |
| Eminent       | Famous, renowned                             | प्रतिष्ठित                      |
| Estrange      | To cause someone to be no longer friendly    | दूर कर देना, अजनबी बन जाना      |
| Fondle        | To handle tenderly, lovingly, or lingeringly | दुलारना, पुचकाना                |
| Incorporate   | To include                                   | सम्मिलित करना                   |
| Knack         | An ability, talent to do something           | कौशल                            |
| Lash          | To make a verbal attack or retort            | घोर निंदा करना, डॉंटना          |
| Muster        | To cause to gather                           | इकट्ठा करना                     |
| Obscure       | Not clearly seen                             | धुँधला                          |
| Obviate       | To make something no longer necessary        | जरूरी न समझना                   |
| Pliable       | Yielding readily to others                   | आसानी से वश में आने वाला, लचीला |
| Preclude      | To make impossible                           | असंभव बनाना                     |
| Scabbard      | A sheath for a sword or dagger               | म्यान                           |
| Snuggle       | To curl up comfortably                       | आराम से लेटना                   |
| Subsume       | Include                                      | शामिल करना                      |
| Unsusceptible | Not likely to be influenced                  | जिस पर प्रभाव ना पड़े           |
|               |  |                                 |



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## SSC MOCK TEST - 130 (ANSWER KEY)

| _   | (T) |     |      |     | (0) |      | (T) |
|-----|-----|-----|------|-----|-----|------|-----|
| 1.  | (B) | 26. | (A)  | 51. | (C) | 76.  | (D) |
| 2.  | (B) | 27. | (B)  | 52. | (D) | 77.  | (C) |
| 3.  | (D) | 28. | (B)  | 53. | (B) | 78.  | (A) |
| 4.  | (B) | 29. | (A)  | 54. | (C) | 79.  | (B) |
| 5.  | (B) | 30. | (A)  | 55. | (B) | 80.  | (C) |
| 6.  | (D) | 31. | (A)  | 56. | (C) | 81.  | (D) |
| 7.  | (D) | 32. | (B)  | 57. | (A) | 82.  | (D) |
| 8.  | (C) | 33. | (B)  | 58. | (A) | 83.  | (C) |
| 9.  | (A) | 34. | (B)  | 59. | (C) | 84.  | (A) |
| 10. | (D) | 35. | (C)  | 60. | (A) | 85.  | (B) |
| 11. | (C) | 36. | (B)  | 61. | (B) | 86.  | (A) |
| 12. | (B) | 37. | (A)  | 62. | (B) | 87.  | (B) |
| 13. | (B) | 38. | (C)  | 63. | (D) | 88.  | (B) |
| 14. | (A) | 39. | (A)  | 64. | (B) | 89.  | (A) |
| 15. | (A) | 40. | (A)  | 65. | (A) | 90.  | (C) |
| 16. | (B) | 41. | (D)  | 66. | (B) | 91.  | (C) |
| 17. | (A) | 42. | (B)  | 67. | (C) | 92.  | (B) |
| 18. | (C) | 43. | (C)  | 68. | (A) | 93.  | (A) |
| 19. | (A) | 44. | (B)  | 69. | (C) | 94.  | (C) |
| 20. | (D) | 45. | (A)  | 70. | (C) | 95.  |     |
| 21. | (C) | 46. | (D)  | 71. | (A) |      | (D) |
| 22. | (D) | 47. | (D)  | 72. |     | 96.  | (C) |
| 23. | (B) | 48. | (D)  |     | (B) | 97.  | (C) |
| 24. | (B) | 49. | (A)  | 73. | (B) | 98.  | (B) |
| 25. | (D) | 50. | (B)  | 74. | (A) | 99.  | (A) |
|     | ( / | 50. | (12) | 75. | (B) | 100. | (D) |

- 86. **(A)** The correct conjunction is 'as soon as'. Hence replace 'soon as' with 'as soon as'
- 87. **(B)** Replace 'into' with 'upon/on'. 'Look down upon' means 'to consider someone or something lesser or inferior'.
- 92. **(B)** Verb 'prefer' is followed by preposition 'to'.
- 93. **(A)** 'To infinitive' is used as the object of the verb.

Structure:

Sub + verb + to + infinitive (as object of the verb)

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003

Note:- Whatsapp with Mock Test No. and Question No. at 7053606571 for any of the doubts. Join the group and you may also share your suggestions and experience of Sunday Mock Test.

Note:- If you face any problem regarding result or marks scored, please contact 9313111777