

SSC MOCK TEST – 130 (SOLUTION)

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

2. (B) $BGIW \quad CHJX$

Similarly,

$CHQU \quad DIRV$

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**.

9. (A) $\leftarrow \dots 5 \dots \rightarrow$

Hence, Required number of books
 $= 16 + 6 + 12 - 1$
 $= 33$

10. (D) Pain

11. (C) $DK \quad GP \quad JU \quad MZ$

12. (B) $2 \quad 6 \quad 21 \quad 88 \quad 445$

13. (B) $4096 \quad 3375 \quad 2744 \quad 2197$

14. (A) $POULTRY \quad CNXHYKT$

$TREASON \quad RKWWINX$

Similarly,

$NUMBER \quad NIXQQR$

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

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

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

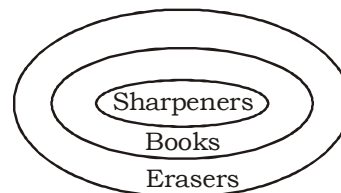
Option D $30 - 6 + 4 + 5 \times 4$

16. (B) $13 \times 9 - (13 + 9 + 1) = 94$

$$18 \times 7 - (18 + 7 + 1) = 100$$

$$25 \times 6 - (25 + 6 + 1) = 118$$

17. (A)



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 18th and 19th centuries, Maria Theresa thalers and blocks of salt called "amole tchew" served as currency

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_2O_3 , 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 **Sandip Mukerjee, 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

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

$$\Rightarrow -40x = 52$$

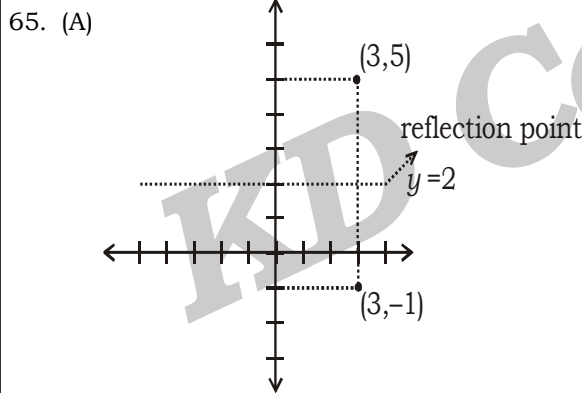
$$\Rightarrow x = -\frac{13}{8}$$

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,
 $x - \frac{2}{x} = -\frac{1}{6}$
 $\Rightarrow 6x^2 - 12 = -x$
 $\Rightarrow 6x^2 + x - 12 = 0$
 $\Rightarrow 6x^2 + 9x - 8x - 12 = 0$
 $\Rightarrow 3x(2x+3) - 4(2x+3) = 0$
 $\Rightarrow (3x-4)(2x+3) = 0$

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

64. (B) ATQ,
 $S_{47} = \frac{47}{2}(-50 \times 98)$
 $= 47 \times 24 = 1128$



Hence, reflection point = **3, 5**

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

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

$$\Rightarrow x = 1, y = 5$$

Hence, Required point = **(1, 5)**

67. (C) ATQ,
 $ax - 6y = -6$

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

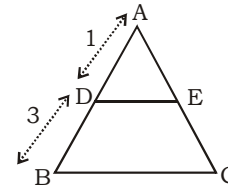
Slope of line $(ax - 6y = -6) = \frac{a}{6}$

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

$$\Rightarrow a = -9$$

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

$$= \frac{16}{1}$$



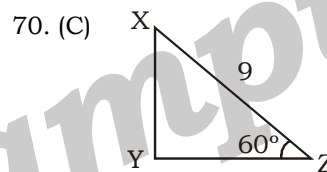
Then, area of BDEC = $16 - 1 = 15$ unit
 but 16 units = 80 cm^2

then, 15 units = $\frac{80}{16} \times 15 = 75 \text{ cm}^2$

Hence, area of BDEC = **75 cm²**

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

$$= \sqrt{2} + \sqrt{2} + \frac{1}{\sqrt{3}} \times \frac{1}{\sqrt{3}} = \frac{7}{3}$$



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

$$\Rightarrow \frac{1}{\sqrt{2}} = \frac{YZ}{9}$$

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

71. (A) $\sec \theta = \frac{17}{15}$, then

$$\cos \theta = \frac{15}{17} \text{ and } \sin \theta = \frac{8}{17}$$

then, $\text{cosec } \theta = \frac{17}{8}$

72. (B) **F**

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

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

$$= 1.755 \text{ millions.}$$

75. (B) ATQ,
 total Revenue = $(0.4 + 0.8 + 0.3 + 0.1 + 0.9 + 0.2) \times 1000000 \times 30000$
 $= 810000 \text{ million}$

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

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 what you are doing	बिना लक्ष्य के चित्र बनाना
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, डाँटना
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)

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|---------|---------|---------|----------|
| 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. (D) |
| 21. (C) | 46. (D) | 71. (A) | 96. (C) |
| 22. (D) | 47. (D) | 72. (B) | 97. (C) |
| 23. (B) | 48. (D) | 73. (B) | 98. (B) |
| 24. (B) | 49. (A) | 74. (A) | 99. (A) |
| 25. (D) | 50. (B) | 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