2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

## 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)


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) $\mathbf{A}$ is vowel.
6. (D) $\mathbf{1 2 0}$ 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)


Hence, Required number of books
$=16+6+12-1$
$=33$
10. (D) Pain
11. (C)

12. (B)

13. (B)

14. (A)


Similarly,
NUMBER NIXQQR

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

Option B $30 \times 6 \neq 4 \times 5-4$
Option C $\quad 30 \neq 6 \times 4 \times 5-4$
Option D $30-6+4+5 \times 4$
16. (B) $13 \times 9-(13+9+1)=94$ $18 \times 7-(18+7+1)=100$
$25 \times 6-(25+6+1)=\mathbf{1 1 8}$
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 $18^{\text {th }}$ and $19^{\text {th }}$ 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.
31. (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.
32. (B) Bauxite, the most important ore of Aluminium, contains only 30-60\% Aluminium Oxide, (Alumina), $\mathrm{Al}_{2} \mathrm{O}_{3}$, 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.
33. (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.
34. (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.
35. (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-cumStatesman, 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.
36. (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.
37. (C) The Insurance Regulatory and Development Authority (IRDA) is a national agency run by the Government of India. IRDA "Protect the interests of the

## 2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

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 Under19 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 $=\mathbf{5 7}$
52. (D) ATQ,


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

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

53. (B) ATQ,

Other side of rectangle $=\sqrt{74^{2}-24^{2}}$

$$
=70 \mathrm{~cm}
$$

Hence, required area $=70 \times 24$
$=1680 \mathrm{~cm}^{2}$
54. (C) Required S.P. $=8400 \times \frac{160}{100} \times \frac{90}{100}$
$=₹ 12096$
55. (B) ATQ,
$\frac{94+x}{24+x}=\frac{100+x}{26+x}$
$94 \times 26+26 x+94 x+x^{2}=24 \times 100+x^{2}+$ $100 x+24 x$
$\Rightarrow 4 x=44$
$\Rightarrow x=11$
Hence, Required number 11
56. (C) A.T.Q.

$$
\begin{aligned}
& \frac{15 x+81}{16}=x+3 \\
\Rightarrow \quad & x=33 \\
& \text { Hence, Required average }=\mathbf{3 3}
\end{aligned}
$$

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

$$
\begin{aligned}
& \text { S.P. of one banana }=\frac{32}{5}=₹ 6.4 \\
& \text { then, profit }=\frac{(6.4-5)}{5} \times 100=\mathbf{2 8 \%}
\end{aligned}
$$

58. (A)

| A | B |  |
| :---: | :---: | :---: |
| 170 | 100 | amount |

then,

$$
\begin{aligned}
\text { B's share }= & \frac{1620}{(100+170)} \times 100 \\
& =₹ \mathbf{6 0 0}
\end{aligned}
$$

59. (C) Let the distance travelled by him on foot $=x$ ATQ,
$\frac{x}{9}+\frac{126-x}{21}=10$
$\Rightarrow \quad 21 x+126 \times 9-9 x=9 \times 21 \times 10$
$\Rightarrow \quad 12 x=1890-1134$
$\Rightarrow \quad x=\frac{756}{12}=63$
Hence, Required distance $=\mathbf{6 3} \mathbf{~ k m s}$
60. (A) A.T.Q.

$$
\begin{aligned}
& P\left(1+\frac{15}{100}\right)^{2}-P=20640 \\
\Rightarrow & P \frac{529}{400}-P=20640 \\
\Rightarrow & 129 P=20640 \times 400 \\
\Rightarrow & P=\frac{20640 \times 400}{129}=64000
\end{aligned}
$$

Hence, Required amount $=\mathbf{₹} \mathbf{6 4 0 0 0}$
61. (B)

$$
\frac{5 x}{2}-\frac{\left[5\left(6 x+\frac{9}{2}\right)\right]}{4}=\frac{7}{8}
$$



2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

$$
\begin{aligned}
& \Rightarrow \quad \frac{20 x}{8}-\frac{60 x+45}{8}=\frac{7}{8} \\
& \Rightarrow-40 x=52 \\
& \Rightarrow x=-\frac{\mathbf{1 3}}{\mathbf{8}}
\end{aligned}
$$

62. (B) ATQ,

$$
\begin{aligned}
& a^{3}-b^{3}=(a-b)\left[(a-b)^{2}+3 a b\right] \\
& \Rightarrow 386=2[4+3 a b] \\
& \Rightarrow 386=8+6 a b \\
& \Rightarrow a b=63
\end{aligned}
$$

63. (D) ATQ,

$$
\begin{array}{ll} 
& x-\frac{2}{x}=-\frac{1}{6} \\
\Rightarrow & 6 x^{2}-12=-x \\
\Rightarrow & 6 x^{2}+x-12=0 \\
\Rightarrow & 6 x^{2}+9 x-8 x-12=0 \\
\Rightarrow & 3 x(2 x+3)-4(2 x+3)=0 \\
\Rightarrow & (3 x-4)(2 x+3)=0 \\
\Rightarrow & x=\frac{\mathbf{4}}{\mathbf{3}},-\frac{3}{2}
\end{array}
$$

64. (B) ATQ,

$$
\begin{aligned}
S_{47} & =\frac{47}{2}(-50 \times 98) \\
& =47 \times 24=\mathbf{1 1 2 8}
\end{aligned}
$$

65. (A)


Hence, reflection point $=\mathbf{3}, \mathbf{5}$
66. (B) ATQ,

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

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

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

Hence, Required point $=(\mathbf{1 , 5})$
67. (C) ATQ,
$a x-6 y=-6$
$\Rightarrow \quad y=\frac{a x}{6}+\frac{6}{6}$
Slope of line $(a x-6 y=-6)=\frac{a}{6}$
but $\frac{a}{6}=\frac{-3}{2}$
$\Rightarrow a=-9$
68. (A) $\frac{\text { area of } \triangle \mathrm{ABC}}{\text { area } \triangle \mathrm{ADE}}=\left(\frac{\mathrm{AD}+\mathrm{BD}}{\mathrm{AD}}\right)^{2}=\left(\frac{3+1}{1}\right)^{2}$

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



Then, area of $\mathrm{BDEC}=16-1=15$ unit but 16 units $=80 \mathrm{~cm}^{2}$
then, 15 units $=\frac{80}{16} \times 15=75 \mathrm{~cm}^{2}$
Hence, area of BDEC $=\mathbf{7 5} \mathbf{~ c m}^{2}$
69. (C) $\sqrt{2} \sec 45^{\circ}+\frac{1}{\sqrt{3}} \tan 30^{\circ}$

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

70. (C)


$$
\cos 45^{\circ}=\frac{Y Z}{X Z}
$$

$$
\Rightarrow \quad \frac{1}{\sqrt{2}}=\frac{Y Z}{X Z}
$$

$$
\Rightarrow \quad Y Z=\frac{9}{\sqrt{2}} \mathbf{c m}
$$

71. (A) $\sec \theta=\frac{17}{15}$, then $\cos \theta=\frac{15}{17}$ and $\sin \theta=\frac{8}{17}$ then, $\operatorname{cosec} \theta=\frac{\mathbf{1 7}}{\mathbf{8}}$
72. (B) $\quad \mathbf{F}$
73. (B) Required increment $=\frac{(0.9-0.8)}{0.8} \times 100$
= 12.5\%
74. $(\mathrm{A}) \quad$ Petrol Vehicle $=(100-35)$

$$
\times \frac{(0.4+0.8+0.3+0.1+0.9+0.2)}{100}
$$

## $=1.755$ millions.

75. (B) ATQ,
total Revenue $=(0.4+0.8+0.3+0.1$ $+0.9+0.2) \times 1000000 \times 30000$
$=810000$ million
$\begin{aligned} \text { Environmental revenue } & =\frac{810000 \times 2.5}{100} \\ & =₹ \mathbf{2 . 0 3} \text { billion }\end{aligned}$

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

## MEANINGS IN ALPHABETICAL ORDER

## Word

Amenable
Bate
Chastise
Contour
Despot
Docile
Doodle

Eminent
Estrange
Fondle
Incorporate
Knack
Lash
Muster
Obscure
Obviate
Pliable
Preclude
Scabbard
Snuggle
Subsume
Unsusceptible

## Meaning in English

Readily yielding, submitting or co-operating
To reduce the force or intensity of
To censure severely
An outline especially of curving figure
A dictator
Easily led or managed
To draw something without thinking about what you are doing
Famous, renowned
To cause someone to be no longer friendly
To handle tenderly, lovingly, or lingeringly
To include
An ability, talent to do something
To make a verbal attack or retort
To cause to gather
Not clearly seen
To make something no longer necessary
Yielding readily to others
To make impossible
A sheath for a sword or dagger
To curl up comfortably
Include
Not likely to be influenced

Meaning in Hindi
वश्र वती ${ }^{\wedge}$, आ ज्ञा का री
ती व्र ता क्म क्रना
ड $\mathrm{T}^{\circ}$ टना
स्वे ख T
ता ना V T ह
विनम्र, अ ज्ञा का री
बिना लक्ष्यके चिच $T$ बना ना

प्र तिषिठ त
दू र कर दे ना, अज्मबी बन जा ना
दु ला रना, पु चका ना
सम मालित करना
कौ प ल
हा $\dagger^{`}$ रनिं दा करना , ड $\mathrm{T}^{\circ}$ टना
इकट, ठा करना
धुँ धला
जरी न स्सझना
अ सा नी से वश में अ ने वा ला ,

I य न
आ रा म से ले ट ना
प $T$ मिल करना
जिसपप्र $~$ T T व ना पड .

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009
SSC MOCK TEST - 130 (ANSWER KEY)

1. (B)
2. (B)

| 26. | (A) |
| :--- | :--- |
| 27. | (B) |
| 28. | (B) |
| 29. | (A) |
| 30. | (A) |
| 31. | (A) |
| 32. | (B) |
| 33. | (B) |
| 34. | (B) |
| 35. | (C) |
| 36. | (B) |
| 37. | (A) |
| 38. | (C) |
| 39. | (A) |
| 40. | (A) |
| 41. | (D) |
| 42. | (B) |
| 43. | (C) |
| 44. | (B) |
| 45. | (A) |
| 46. | (D) |
| 47. | (D) |
| 48. | (D) |
| 49. | (A) |
| 50. | (B) |


| 51. | (C) | 76. | (D) |
| :--- | :--- | :--- | :--- |
| 52. | (D) | 77. | (C) |
| 53. | (B) | 78. | (A) |
| 54. | (C) | 79. | (B) |
| 55. | (B) | 80. | (C) |
| 56. | (C) | 81. | (D) |
| 57. | (A) | 82. | (D) |
| 58. | (A) | 83. | (C) |
| 59. | (C) | 84. | (A) |
| 60. | (A) | 85. | (B) |
| 61. | (B) | 86. | (A) |
| 62. | (B) | 87. | (B) |
| 63. | (D) | 88. | (B) |
| 64. | (B) | 89. | (A) |
| 65. | (A) | 90. | (C) |
| 66. | (B) | 91. | (C) |
| 67. | (C) | 92. | (B) |
| 68. | (A) | 93. | (A) |
| 69. | (C) | 94. | (C) |
| 70. | (C) | 95. | (D) |
| 71. | (A) | 96. | (C) |
| 72. | (B) | 97. | (C) |
| 73. | (B) | 98. | (B) |
| 74. | (A) | 99. | (A) |
| 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'.
88. (B) Verb 'prefer' is followed by preposition 'to'.
89. (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

