



SSC Junior Engineer Previous Year Exam Paper - 2013

Subject : Mental Ability

Q.1) The largest continent is:

- (1) South Africa
- (2) Europe
- (3) Africa
- (4) Asia

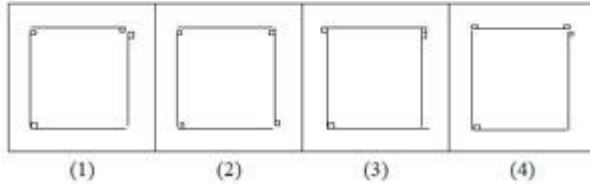
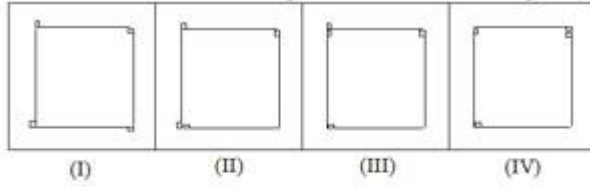
Q.2) Which pass was opened between India and China for trade?

- (1) Nathula
- (2) Khardungla
- (3) Chumbi
- (4) Solang

Q.3) If Drowsy is written as HVSAWC, BEAUTY will be written as:

- (1) FIEYXC
- (2) EHDXWC
- (3) GJFZYD
- (4) KFBVUC

Q.4) Out of 1, 2, 3 and 4, which figure will come next of figure (I), (II), (III) and (IV)?



Q.5) The highest railway line has been opened in July 2006 in which country?

- (1) India
- (2) Mongolia
- (3) China
- (4) Russia

Q.6) 7, 7, 14, 42, 168, ?

- (1) 840
- (2) 672
- (3) 504
- (4) 336

Q.7) What is earlier name of the present 'National Library in Kolkata'?

- (1) Imperial library
- (2) British library
- (3) Royal library
- (4) Albert library

Q.8) The cube root of 1331 is :

- (1) 11
- (2) 13
- (3) 19
- (4) 17

Q.9) At which inclination earth rotates about its axis

(1) $23\frac{1}{2}^0$

(2) $22\frac{1}{2}^0$

(3) $21\frac{1}{2}^0$

(4) 20^0

Q.10) Jagan went to another town covering 240 km by car moving at 60 kmph. Then he covered 400km by train moving at 100 kmph and then rest 200 km he covered by a bus moving at 50 kmph. The average speed during the whole journey was:

- (1) 80 kmph
- (2) 70 kmph
- (3) 75 kmph
- (4) 72 kmph

Q.11) The area of a triangle is equal to the area of a square whose each side is 60 metres. The height of the triangle is 90 metres. The base of the triangle will be

- (1) 75 m
- (2) 85 m
- (3) 65 m
- (4) 80 m

Q.12) A horse is tied at the corner of a rectangular field, whose length is 20m and width is 16m with a rope whose length is 14m. Find the area which the horse can graze?

- (1) 156 sq.m.
- (2) 154 sq.m.
- (3) 164 sq.m.
- (4) 144 sq.m.

Q.13) The capital of Mauritius is

- (1) Port Louis
- (2) Male
- (3) Suva
- (4) Kabul

Q.14) Pedal : Cycling : Oar : ?

- (1) Gliding
- (2) Surfing

- (3) Skating
- (4) Rowing

Q.15) Sam and Rita was sitting in a park in the evening looking at the sunset to the horizon. What is the direction of their right hand side?

- (1) East
- (2) West
- (3) North
- (4) South

Q.16) The highest total runs scored by a team in an ODI circket match is:

- (1) 438
- (2) 443
- (3) 326
- (4) 400

Q.17) A shopkeeper buys 144 eggs at 90 paise each. In the way 20 eggs were broken. He sold the remaining eggs at Rs. 1.20 each. The percentage gain or loss is

- (1) 14.8% gain
- (2) 12.9% gain
- (3) 8.5% gain
- (4) 4.8% gain

Q.18) In 1858 the first train from Howrah ran to

- (1) Hooghly
- (2) Bardhaman
- (3) Bandel
- (4) Chinsura

Q.19) Who was the Prime Minister of Britain when India got independence?

- (1) Winston Churchill
- (2) Clement Atlee
- (3) Wilson
- (4) None of these

Q.20) The ball used in which of the games is usually oval in shape?

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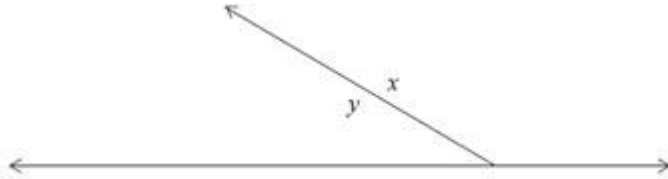
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- (1) Rugby
- (2) Golf
- (3) Polo
- (4) Volleyball

Q.21) What is the value of x if $4x = 5y$?



- (1) 100°
- (2) 115°
- (3) 110°
- (4) 105°

Q.22) It takes 40 men eight days to earn Rs. 2000. How many men will earn Rs. 200 in two days?

- (1) 10
- (2) 14
- (3) 16
- (4) 20

Q.23) $\frac{0.07 \times 0.07 \times 0.07 - 0.05 \times 0.05 \times 0.05}{0.07 \times 0.07 + 0.07 \times 0.05 + 0.05 \times 0.05} = ?$

- (1) 0.002
- (2) 0.02
- (3) 0.2
- (4) 0.0002

Q.24) A pipe of 2 inch diameter fills the water tank in one hour. If the diameter of the pipe is 4 inch in what time will the pipe fill the same tank?

- (1) 10 minutes
- (2) 15 minutes
- (3) 30 minutes
- (4) 45 minutes



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Q.25) If the arithmetic mean of six numbers is 4.5, what is the total sum of these numbers?

- (1) 25
- (2) 27
- (3) 64
- (4) cannot be estimated