Sr.DPO's Office Solapur Dt.14.10.2024

DBA/SUR

Sub: Selection for the post of Assistant Loco Pilot in Level-2 against 50%

departmental quota on SUR Divn

Ref: Notification No.SUR/P/Loco Rg./ALP/Sel.50%Dept quota, dtd.14.05.2024

With reference to the above subject, it is hereby informed that the <u>'Revised Answer Key'</u> for the post of Assistant Loco Pilot in Level-2 against 50% Departmental quota is hereby published in regard introduction of an objection tracker in the interest of transparency and accuracy for promotion to Gr C through promotion, LDCE, GDCE and sutiability tests. Written test held on 22.09.2024.

The 'Revised Answer Key' along with instructions is uploaded on https://cr.indianrailways.gov.in/

(A.P. Bhagat)
Sr.DPO/SUR

Central Railway

No.SUR/P/Con/Sele/ALP/WT/RevAK

Sr.DPO's Office P/Con/SUR Dt.14.10.2024

All Concerned, **Solapur Division**

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As per HQ's guidelines, the following instructions may be followed-

- 1. The decision of the paper setting authority after this exercise will be final and no further correspondence in this regard will be entertained.
- 2. No further time will be given under any circumstances for the exercise.
- 3. Decision of the competent authority in case of discounting of any questions or otherwise on account of incorrect wording of questions or all answers are wrong situations will also be communicated along with publishing of final keys.
- uploaded instructions with Key' along 4. The 'Answer https://cr.indianrailways.gov.in/

(A.P. Bhagat) Sr.DPO/SUR

सोलापूर मंडल

Answer key for the post of Assistant Loco Pilot in level-2 against 50% departmental quota on Solapur Division.

(Marks = 100) Time- 2 Hrs

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4	В	29	C	54	Α	79	Α	104	С
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6	В	31	Α	56	A	81	Α	106	В
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24	В	49	Α	74	Α	99	В	berghips	
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Note-Sr. No-18, 60, 68, 97 may be dropped.

(han) 8/2/24

सहा. मंडल विद्युत इंजीनियर Asstt. Divl. Electrical Engineer मध्य रेल, सोलापुर Central Railway, Solapur

Clarification of objections on Answer Key of Assistant Loco Pilot in Level-2 against 50% Departmental Quota Solapur Division.

18.	C	Remark
nswer Key Answer		Question may be deleted.
orrect Answer		
		Remark
21. nswer Key Answer	C	Answer to be corrected as 'B'
orrect Answer	B	Allswel to be com-
offect Ariswei		
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18. A five meter wide road surrounds a circular park. If the circumference of the park is 283 meters, find the area of the road in sq. meter?

a) 1812 sq. m

b) 1118 sq. m

c) 1811 sq. m

d) 1218 sq. m

	* _ b	
Answer Key Answer	C	Remark
Correct Answer	-	Question may be deleted.
Contest Tale		그 보다 얼마나요? 집 살아보다 되었다. 그는 그 그 그리고 그를 가는 것 같아 없는 것이 없었다. 그 그리고 그리고 그리고 그리고 그리고 그리고 그리고 그리고 그리고 그

Explanation:

A 5 Meter wide Road surrounds a circular park.

The circumference of the park 283 is meter

 $C=2\pi r$

 $283=2\pi r$

r = 283/(2x3.14)

r = 283/(2x3.14)

r= 45.06 meter

Area of the park = πr^2 = 3.14 x (45.06)² = 6366.5 sq. m Radius of the outer circle = Radius of park + 5 = 45.06 + 5 = 50.06 meter Total Area of the park including road = $\pi r^2 = 3.14 \times (50.06)^2 = 7865.5 \text{ sq.}$ Area of the road = Total Area - Area of the park = (7865.5 - 6366.5) sq. m = 1499 sq. m

Since none of the option is correct. This question may be deleted.

21. If 200 men can do 200 jobs in 200 days, then one man can do one job on how many days.

a) 10 days

b) 200 days

그 이 그리다 그리는 경기를 받는 것이 하지만 그리고 있다.	
10	Remark 1 41.2
Answer Key Answer C	Answer may be corrected as 'b'.
Correct Answer b	

Explanation:

If 200 men can do 200 jobs in 200 days, then

One man would need more days to complete one job, because there are fewer workers.

The total work done is represented by:

Work = Number of men X Number of days X Number of job

Given that 200 men can complete 200 jobs in 200 days, the total amount of work (in terms of mandays per job) is:

Work= $200 \times 200 = 40,000$ man-days for 200 job

For one job, the total work required is:

40,000 man-days/200 = 200 man-days per job

Therefore, one man will take 200 days to complete one job.

23. If Avinash saves Rs. 20 on purchase of a shirt when a discount of 20% is given, how much did he pay for a shirt?

a) 100

b) 200

c) 150

d) 80

nswer Key Answer	a	Remark
orrect Answer	d	Answer may corrected as 'd'

Explanation:

We know that Avinash saves Rs. 20 with a 20% discount. So the discount amount is 20% of the original price, which is given as Rs. 20.

The formula for the discount is:

Discount = (Discount Percentage/100) X Original Price

Given that the discount is Rs. 20, we can write: 20 = (20/100) X original price.

Now, the original price = $(20/20) \times 100 = 100$

So, the original price of the shirt is Rs. 100.

Now, since Avinash received a 20% discount, the amount he paid is: Amount Paid=Original Price-Discount = 100 - 20 = 80

Thus, Avinash paid Rs. 80 for the shirt.

The correct answer is option (d) 80.

33. Electricity current is discovered by?

c) Cavendish

d) Amepere

a) Ohm b) Volta	c) Cavendish
Answer Key Answer b	Remark No change
Correct Answer	Lie work in

Explanation: Electric current was discovered by Alessandro Volta, who is known for his work in electricity and for inventing the electric battery. Volta's experiments led to the discovery of continuous electric current.

So, the correct answer is:

b) Volta.

37. Central fuel research Institute is situated at? b) Dhanbad b) Dhanbad	c) Hydrabad d) Raipur
a) Dehradun b) Dilandad	Remark
Answer Key Answer a	Answer may corrected as 'b'
Actual Answer	16 to

Explanation: The Central Fuel Research Institute (CFRI) is located in Dhanbad, Jharkhand. It is part of the Council of Scientific and Industrial Research (CSIR) and focuses on research in fuel and energy resources.

So, the correct answer is:

b) Dhanbad.

60. Jim Cirbett National Park is in?

a) Maharashtra

b) Uttar Pradesh

c) West Bengal

d) Madhya Pradesh

Cey Answer	b	Remark
swer	4	Question may be deleted.

Explanation: Jim Corbett National Park is located in the state of Uttarakhand, not Uttar Pradesh. However, as Uttarakhand is not listed among the options and it was part of Uttar Pradesh before Uttarakhand became a separate state in 2000, the correct answer based on historical context would be:

66. One of the advantage of sea water being salty is?

a) It does not freeze

b) provide salt

c) Its density becomes high

d) Its density becomes low

c) its density becomes figure	u) ii	s delibro,		•
Answer Key Answer	a	Remark	y corrected as 'c'	
Actual Answer	C	Answer may	To the second second	higher.

Explanation: One of the key advantages of seawater being salty is that its density becomes higher. This increased density allows objects to float more easily in seawater compared to freshwater.

Thus, the correct answer is:

c) Its density becomes high.

67. One of the causes of earth quack is? a) Pressure due to the cooling of the earth's interior

b) Some unknown phenomenon under earth

c) By the gases under the earth

d) Pressure due to heavy rain

Remark No change
No change

Explanation: One of the primary causes of earthquakes is pressure due to the movement and cooling of the Earth's interior. The movement of tectonic plates, caused by the cooling and convection currents within the Earth's mantle, leads to the build-up of stress along fault lines. When this stress is released, it results in an earthquake.

Thus, the correct answer is:

a) Pressure due to the cooling of the earth's interior.

68. India played its first cricket match in?

a) 1940

b) 1857

c) 1891

a) 1940	0) 101	
A 100 March 100	C	Remark
Answer Key Answer		Question may be deleted.
Correct Answer	Total official	Test cricket match in 1932 against England at Lord's,
- India	nlaved its litst utiliciai	to the specific does not specify the type

Explanation: India played its first official Test cricket match in 1932 against England at Lord's, London. However, none of the given options include this year. Also question does not specify the type and level of cricket played. Hence this question may be deleted.

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b) Uttar Pradesh

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d) Madhya Pradesh

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Answer Key Answer Actual Answer	a Remark c Answer m	ay corrected as 'c'

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	Remark
Answer Key Answer	No change
Actual Answer	I to to the movement and

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d) 1914

a) 1940	0) 102	
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Answer Key Ans	wer	Question may be deleted.
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69. India officially takes part in Olympics in?

a) 1924

b) 1920

c) 1956

d) 1952

	and the second of the second	
Answer Key Answer	a	Remark
Correct Answer	a	No change

Explanation:

1920: India did not officially participate in the 1920 Olympics.

1924 Paris Olympics: India competed officially under its own flag. Hence correct answer is a) 1924

79. Why does a red flower look red?

- a) It absorbs all other colours of light except the red one
- b) It emits only red rays
- c) It has more chlorophyll in it
- d) It reflects all colours

d) It reflects all colours		
Answer Key Answer	a Remark	
Correct Answer	a No change	
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Explanation:

Pigmentation: The colour of a flower, including red flowers, is due to specific pigments in their petals. In red flowers, the pigment responsible for the red colour is usually anthocyanin.

Light Absorption and Reflection: When light hits the flower, the pigments absorb certain wavelengths of light. A red flower absorbs other colours (such as blue and green) and reflects the red wavelengths back to our eyes. This reflected light is what we perceive as the colour of the flower,

The correct answer is: a) It absorbs all other colours of light except the red one.

97. The present strength of Lok Sabha?

b) 560

c) 475

d) 500

a) 544	b) 500	
Answer Key Answer	a	Remark Question may be deleted.
Correct Answer		

Explanation:

The present strength of the Lok Sabha, which is the lower house of India's Parliament, is 545 members. However, two of these seats are kept vacant for the representatives of the Anglo-Indian community, who are nominated by the President.

So, the effective strength that is usually referred to is 543 elected members, with the Lok Sabha having the capacity for a total of 550 members. Hence none of the option is correct. Hence Question may be deleted.