

Central Railway

No.SUR/P/Con/Sele/ALP/WT/Rev AK

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 'Revised Answer Key' 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 suitability 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

-Confidential-

Central Railway

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

Sr.DPO's Office
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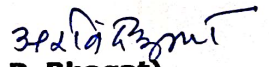
**All Concerned,
Solapur Division**

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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 'Revised Answer Key' 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 suitability tests. Written test held on 22.09.2024.

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



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

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

(Marks = 100) Time- 2 Hrs

प्र क्र/ Que No.	ऊ/ Ans	प्र क्र/ Que No.	ऊ/ Ans	प्र क्र/ Que No.	ऊ/ Ans	प्र क्र/ Que No.	ऊ/ Ans	प्र क्र/ Que No.	ऊ/ Ans
1	D	26	B	51	A	76	B	101	A
2	D	27	C	52	A	77	A	102	C
3	D	28	B	53	A	78	B	103	C
4	B	29	C	54	A	79	A	104	C
5	A	30	A	55	A	80	A	105	D
6	B	31	A	56	A	81	A	106	B
7	B	32	B	57	A	82	B	107	A
8	B	33	B	58	A	83	C	108	C
9	A	34	A	59	C	84	C	109	B
10	B	35	B	60	delete	85	B	110	C
11	C	36	A	61	C	86	A		
12	D	37	B	62	C	87	A		
13	B	38	A	63	C	88	C		
14	A	39	B	64	C	89	B		
15	B	40	A	65	B	90	A		
16	D	41	B	66	C	91	B		
17	B	42	A	67	A	92	B		
18	delete	43	B	68	delete	93	B		
19	B	44	B	69	A	94	D		
20	C	45	B	70	D	95	D		
21	B	46	B	71	B	96	C		
22	B	47	A	72	C	97	delete		
23	D	48	A	73	A	98	B		
24	B	49	A	74	A	99	B		
25	D	50	A	75	B	100	D		

Note- Sr. No- 18, 60, 68, 97 may be dropped.


8/10/24
सहा. मंडल विद्युत इंजीनियर
Asstt. Divl. Electrical Engineer
मध्य रेल, सोलापूर
Central Railway, Solapur

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

Q18.

Answer Key Answer	C	Remark
Correct Answer	-	Question may be deleted.

Q21.

Answer Key Answer	C	Remark
Correct Answer	B	Answer to be corrected as 'B'

Q23.

Answer Key Answer	A	Remark
Correct Answer	D	Answer to be corrected as 'D'

Q33.

Answer Key Answer	B	Remark
Correct Answer	B	No Change

Q37.

Answer Key Answer	A	Remark
Correct Answer	B	Answer to be corrected as 'B'

Q60.

Answer Key Answer	B	Remark
Correct Answer	-	Question may be deleted

Q66.

Answer Key Answer	A	Remark
Correct Answer	C	Answer to be corrected as 'C'

Q67.

Answer Key Answer	A	Remark
Correct Answer	A	No Change

Q68.

Answer Key Answer	C	Remark
Correct Answer	-	Question may be deleted

Q69.

Answer Key Answer	A	Remark
Correct Answer	A	No Change

Q79.

Answer Key Answer	A	Remark
Correct Answer	A	No Change

Q97.

Answer Key Answer	A	Remark
Correct Answer	-	Question may be deleted

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

Answer Key Answer	c	Remark
Correct Answer	-	Question may be deleted.

Explanation:

A 5 Meter wide Road surrounds a circular park.
 The circumference of the park 283 is meter

$$C=2\pi r$$

$$283=2\pi r$$

$$r=283/(2 \times 3.14)$$

$$r=283/(2 \times 3.14)$$

$$r=45.06 \text{ meter}$$

$$\text{Area of the park} = \pi r^2 = 3.14 \times (45.06)^2 = 6366.5 \text{ sq. m}$$

$$\text{Radius of the outer circle} = \text{Radius of park} + 5 = 45.06 + 5 = 50.06 \text{ meter}$$

$$\text{Total Area of the park including road} = \pi r^2 = 3.14 \times (50.06)^2 = 7865.5 \text{ sq. m}$$

$$\text{Area of the road} = \text{Total Area} - \text{Area of the park} = (7865.5 - 6366.5) \text{ sq. m}$$

$$= 1499 \text{ sq. m}$$

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 c) 100 days d) 1 days

Answer Key Answer	c	Remark
Correct Answer	b	Answer may be corrected as '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:

$$\text{Work} = \text{Number of men} \times \text{Number of days} \times \text{Number of job}$$

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

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

For one job, the total work required is:

$$40,000 \text{ man-days} / 200 = 200 \text{ man-days per job}$$

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

Answer Key Answer	a	Remark
Correct 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:

$$\text{Discount} = (\text{Discount Percentage}/100) \times \text{Original Price}$$

Given that the discount is Rs. 20, we can write:

$$20 = (20/100) \times \text{original price}$$

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

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

Now, since Avinash received a 20% discount, the amount he paid is:

$$\text{Amount Paid} = \text{Original Price} - \text{Discount} = 100 - 20 = 80$$

Thus, Avinash paid Rs. 80 for the shirt.

The correct answer is option (d) 80.

33. Electricity current is discovered by?
 a) Ohm b) Volta c) Cavendish d) Amepere

Answer Key Answer	b	Remark
Correct Answer	b	No change

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?
 a) Dehradun b) Dhanbad c) Hyderabad d) Raipur

Answer Key Answer	a	Remark
Actual Answer	b	Answer may corrected as 'b'

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 Corbett National Park is in?

a) Maharashtra

b) Uttar Pradesh

c) West Bengal

d) Madhya Pradesh

79

Answer Key Answer	b	Remark
Actual Answer	-	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

Answer Key Answer	a	Remark
Actual Answer	c	Answer may corrected as 'c'

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

Answer Key Answer	a	Remark
Actual Answer	a	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

d) 1914

Answer Key Answer	c	Remark
Correct Answer	-	Question may be deleted.

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.

60. Jim Corbett National Park is in?

a) Maharashtra

b) Uttar Pradesh

c) West Bengal

d) Madhya Pradesh

79

Answer Key Answer	b	Remark
Actual Answer	-	Question may be deleted.

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69. India officially takes part in Olympics in?

a) 1924

b) 1920

c) 1956

d) 1952

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

Answer Key Answer	a	Remark
Correct Answer	a	No change

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?

a) 544

b) 560

c) 475

d) 500

Answer Key Answer	a	Remark
Correct Answer	-	Question may be deleted.

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.