

Written Test for the post of JE(C&W) Gr. 'C' (GP Rs.4200) on compassionate ground in Mechanical department of Solapur division/Central Railway

Date:12.01.23

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9. Which is the largest Ocean in the world?

Time-03 hours

IMPORTANT NOTICE

- 1. Answers may be written in Hindi or English.
- 2. Unused papers of answer sheet to be crossed.
- 3. Objective type questions will not be evaluated in case of cutting/overwriting.
- 4. Mobile/Calculators/Pagers etc are not allowed in the exam hall, otherwise candidate will be debarred from the exam. S. Abroarest following who has valteen our idditional archen?
- 5. Whitener should not be used in the exam. Hall. and smelled the state of the domestic flat.
- 6.Except answers nothing should be written in the answer sheet.

Question No.1. Attempt any three of following

- (I)Write an Essay on following subject on any one in English.
- (a)An Half hour on Railway platform.
- (b)26th January Republic day
- (c)Festival in India
- (d)Covid-19 Counties on the San County of the Sa
- (ii) Write a application letter to Municipal corporation regarding cleanliness in your ward.
- (III) The sum of the ages of a son and father is 60 years. After 4 years, the age of father will be three times that of the son. Find the age of son and father.
- (IV)A body starts from the rest accelerate to a velocity of 20 m/s in a time of 10 second. Determine the acceleration of the body.

(1x20=20) Question No.2. Chose the correct option 1. Which city is called as Pink city? d.Mumbal c.Solapur b.Delhi aJaipur 2. Charminar is located in -----city. d.Hyderabad c.Pune b.Banglore a.Agra 3. First women president of India is----c.Pratibha Patil d.Indra Gandhi a.Mamta Banarjee b.Sarojini Naidu 4. Capital of Uttar Pradesh isd.Lucknow b.New Delhi c.Kolkata a.Gujrat 5. Amongst following who has written our National Anthem? a.Bankim Chandra Chaterji b.Allama Iquabal c.Ravindra Nath Tagore d.Suryakant Tripati Nirala 6. Who has written Constitution of India? c.Pandit Jawaharlal Nehru b.Dr. Babasaheb Ambedkar a.Bhagat Singh d.Mahatma Gandhi 7. 37, 41, 43, 47,-b.49 c.57 d.None of these a. 53

10. Which state in India is having highest population?

b.Arctic Ocean

c.Maharashtra a. Uttar Pradesh b. Bihar d.Madhya Pradesh

c.Elephant d.Cheetah

11.P.V.Sindhu is associated with which sport?

a.Cricket b.Badminton c.Hollyball d.Tennis

c.Pacific Ocean

12. How many states are there in India?

8. Which is the national animal of India?

9. Which is the largest Ocean in the world?

b.Lion

a.Tiger

a.Indian Ocean

d.24 b,30 a.26

d.Atlantic Ocean



13. How many millimeters are there in a one centimeter? a.100 millimeters b.1 millimeters C.10 millimeters D.1000 millimeters 14. Who is the current finance minister of India? a.P. Chidambaram b.Arun Jaitley c.NIrmala Sitharaman d.Marnta Banarjee 15. Current Rail minister of India is---a.Piyush Goyal b.Lalu Prasad Yadav c.Nitish Kumar 16. 149.01 + 3.621 + 1.1 =----? a. 153.623 b.143.731 17.India's first train started in --a. 1850 b. 1870 c.1853 d. 1847 18. Choose appropriate number for fourth place 8: 27:64:---? c.115 d.625 19. What is the full form of GST? a.General Service Tax b.Goods Service Tax c.Gross Service Tax 20.who was the first prime minister of India? a Jawaharlal Nehru b.Mahatma Gandhi c.Sardar Valabhbhai Patel d.Bhagat Singh Question No.3. Expand the following abbreviations of other side and accommod (1x5=5) a. WHO c.MBBS d.DRM. termina so the out of ship refer to Question No.4 Attempt any five 1. Describe all three Newton's laws of motion 2. Define Speed, Velocity and acceleration 3. Comparison between Petrol engine & Diesel engine awas and a lawor a sort of the 4. Write short note on heat treatment

5. Define stress & strain

all community of the second of

7. A B C analysis of Inventory control

6. Define work, power and energy and his standard of dozen as dozen as

Question No.5 Chose the correct option 1. The unit of stress in S.I units is----a.N/mm2 b.KN/mm2 c.N/m2 d.any of these delines all the 2.Strain is equal to----a.Original length/change in length. b. change in length/ Original length c. Original length x change in length d. Original length + change in length 3. One Kg force is equal to a. 7.8 N b. 8.9 N c.9.8 N ---- of Lemma alou fear a blook li 4. 1000 meters distance is equal to a. 1 KM b. 10 KM c. 100 KM d. 1000 KM 5. When a bullet is fired upwards vertically, it gains in a. Speed b.Kinetic energy c.Potential energy d.Acceleration 6.If the resistance of the conductor is increased then current will be a.Remain the same b.Increase c.Decrease ---is known as dry ice a.Nitrogen b.Hydrogen c.Oxygen d.Carbon dioxide 8. The compression ratio is the ratio of b. Total volume to swept volume a.Swept volume to total volume c. Swept volume to clearance volume d. Total volume to clearance volume 9. Air conditioning means c.Dehumidifying a.Cooling b.Heating 10. The brake power is the power available of the state of the state now the state of the state a.In the engine cylinder b,At the crank shaft c.At the crank pin d. none of these 11. When the spring of a watch is wound, it will possess b.Kinetic energy c.Potential energy d. none of these 12. Internal gear can be made by

- 1. Fixture does not guide the tool.
- 2. The shear stress at the centre of circular shaft under torsion is zero.
- 3. A resultant force is a single force which produces the same effect as produced by all the given forces acting on a body.
- 4. The ignition quality of diesel oil is expressed by octane number.
- 5. Carburetor is used to supply petrol & air.
- 6. Kerosene is the lightest and most volatile liquid fuel.
- 7. When the gas is heated at a constant volume, the heat supplied increases the internal energy of the gas.
- 8. Venturimeter is used to measure velocity of a flowing liquid.

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