Sample test General Aptitude Management Trainee MT in ORISSA POWER TRANSMISSION CORPORATION LIMITED  
OPTCL Management Trainee Recruitment GA Model paper  
GK For Orissa Power Transmission Corporation Limited Management Trainee Jobs  
1. The first battle of Panipat was fought between:  
(1) Humayun and Shershah  
(2) Rana Sanga and Babur  
(3) Akbar and Hemu  
(4) Ibrahim Lodhi and Babur  
Ans:-4

2 A train traveling with constant speed crosses a 96 metres long platform in 12 seconds and another 141 metres long platform in 15 seconds. The length of the train and its speed are:  
(1) 84 metres and 54 km/hour  
(2) 64 metres and 54 km/hour  
(3)64 metres and 44 km/hour  
(4) 84 metres and 60 km/hour  
Ans:-1

3. If you work on inflammable liquid materials, you would prefer shoes of  
(1) Leather sole with iron toe  
(2) Stitched leather sole  
(3) Leather sole with nail  
(4) Heel plated leather sole  
Ans:-4

4. In big buildings, lightning conductors are used  
(1) To serve as antenna for TV, cellular phones etc.  
(2) To detract charged clouds  
(3) To neutralize charged clouds.  
(4) To remove charge from clouds and pass it to the ground  
Ans:-3

5. The maximum gap period between the last sitting of any House of the Parliament and first sitting of that House can be of:  
(1) Three months.  
(2) Four months.  
(3) Five months.  
(4) Six months.  
Ans:-4

6.Land of the Blue Mountains, lies in the southern most outpost of the North Eastern States is:  
(1) Meghalaya  
(2) Mizoram  
(3) Arunachal Pradesh  
(4) Tripura  
Ans:-3

7. Which of the following was 24th State of Indian Union?  
(1) Mizoram  
(2) Arunachal Pradesh  
(3) Goa  
(4) Sikkim  
Ans:-2

8. Find the missing number 15, 31, 64, 131,?  
(1)266  
(2)256  
(3)196  
(4) 24  
Ans:-1

9. Which of the following pairs is not correct?  
(1) Meghalaya -Shillong  
(2) Manipur— Imphal.  
(3) Mizoram – Itanagar  
(4) Nagaland –Kohima.  
Ans:-3

10. Identify the Indian state on the basis of following information.  
(i) Forest Research Institute is situated here  
(ii)Guru Kul Kangari University is situated here  
(iii) Indian Military Academy is situated here  
(1) Punjab  
(2) Uttar Pradesh  
(3) Uttaranchal  
(4) Andhra Pradesh  
Ans:-3

11. Which area in India gets the Summer monsoon first?  
(1) The Himalayas.  
(2) The Eastern Ghats .  
(3) The Western Ghats.  
(4) The Indo-Gangetic plains.  
Ans:-3

12. Who wrote the book describing the Theory of Economic Drain of India during British rule?  
(1) Dadabhai Naoroji  
(2) Lala Lajpat Rai  
(3) Mahatma Gandhi.  
(4) J. L. Nehru  
Ans:-1

13 In the context of which component of human body the terms  
A, B, AB and O are used  
(1) Blood  
(2) Liver  
(3) Kidney  
(4) Eye  
Ans:-1

14. The term P l O stands for  
(1) People of Indian Origin.  
(2) Pensioners of Indian Origin  
(3) Population of Indian Origin  
(4) Parents of Indian Origin  
Ans:-1

Directions (15-19) Read the following information and answer the questions given below  
P, Q, R, S and T are brothers. Two of them are twins and of same height  
(i) Q is taller than at least three of his brothers  
(ii) P is shorter than only one brother  
(iii) R is taller than the twins  
(iv) S is shorter than R

15. Who is the tallest of all of them?  
(1)T  
(2)R  
(3)Q  
(4)P  
Ans:-3

16. Who are the twins ?  
(1) P and R (2) Q and R  
(3) S and T (4) S and R  
Ans:-3

17. S is taller than how many of his brothers?  
(1)0  
(2)1  
(3)2  
(4)3  
Ans:-1

18. Who among the following is the shortest?  
(1)Q  
(2) R  
(3)S  
(4) P  
Ans:-3

19. T is shorter than how many of his brothers?  
(1) Four  
(2) Three  
(3) Two  
(4) One  
Ans:-2

20. From where is the Pak-strait nearest?  
(1) Maharashtra  
(2) Tamil Nadu  
(3) Andhra Pradesh  
(4) Orissa  
Ans:-2

21. Jharia, Raniganj, Giridih, Korba, Chhindwada are related to  
(1) Mangansese ores  
(2) Coal field.  
(3) Petroleum fields  
(4) Nuclear power plants  
Ans:-2

22. Who was the first woman president of the Indian National Congress?  
(1) Sarojni Naidu  
(2) BhikaJi Kama  
(3) Annie Besant  
(4) Vijaya Lakshmi Pandit  
Ans:-3

23. The material used in solar cells contains  
(1) Tin  
(2) Silicon  
(3) Caesium  
(4) Thallium  
Ans:-3

24. Where did Buddha attain Mahaparinirvana?  
(1) Kushi nagar  
(2) Kapilavastu  
(3)Pava  
(4) Bodh Gaya  
Ans:-1

25. Which of the following is not an inner planet of solar system ?  
(1) Mercury  
(2)Venus.  
(3) Mars  
(4) Saturn.  
Ans:-4

26. Which of the following elements is least likely to be found in commercial fertilisers?  
(1) Nitrogen  
(2) Phosphorous  
(3) Potassium  
(4) Silicon  
Ans:-4

27. Anaemia is condition related to  
(1) Low hemoglobin.  
(2) Fungus infection.  
(3) Irregularity of hormones.  
(4) Joints pain  
Ans:-1

28. Which of the following power stations is related to the Chambal Valley corporation?  
(1) Hirakud.  
(2) Bhakhara Nangal.  
(3) Rihand .  
(4) Gandhi Sagar  
Ans:-3

29. Which article of the constitution provides special Status to Jammu and Kashmir?  
(1)360  
(2)868  
(3) 370  
(4) 375  
Ans:-3

30. Which of the following materials was mainly used in the manufacture of Harappan seals?  
(1) Terracota  
(2) Bronze  
(3) Copper  
(4) Iron  
Ans:-1

31. The age of mother is three times the age of her son. Five years the ago the age of son was the age of his father. If his father is 5 years older than his mother, what is the age of son?  
(1) 15 years  
(2) 12 years  
(3) 10 years  
(4) 18 years  
Ans:-3

32. In a certain code language GHOST is written as HOSTE. How will the word HORSE be written in the same code language?  
(1)O R S E F  
(2)O R E S F  
(3)F O R S E  
(4)O R S E J  
Ans:-1

33. Which one of the following causes of environmental pollution cannot be attributed to human beings?  
(1) Uncontrolled growth of human population  
(2) Rapid industrialization  
(3) Rapid urbanisation  
(4) Volcanic eruptions  
Ans:-4

34. Which one off the following gases is mainly responsible for ‘THE  
GREENHOUSE EFFECT’?  
(l) Sulphur dioxide  
(2) Carbon mono-oxide  
(3) Hydrogen sulphide  
(4) Carbon dioxide  
Ans:-4

35. Which One of the following is an major constituent of petrol?  
(1) Pentane (C5H12)  
(2) Octane (C8H18)  
(3) Methane (CH4)  
(4) Hexane (C6H14)  
Ans:-2

36. Which one of the following is widely used solid lubricant?  
(1) Graphite  
(2) Sodium  
(3) Lithium  
(4) Zinc  
Ans:-1

37 Which among the following is the largest part of the body.?  
(1) Brain  
(2)Heart.  
(3) Leather  
(4) Liver  
Ans:-4

38. Who among the following is the most described God in the Rigveda?  
(1) Indra  
(2)Vishnu.  
(3) Sun  
(4) Brahma  
Ans:-1

39. Saka era was started in:  
(1) 58 B.C.  
(2)78 BC.  
(3) 301A,D.  
(4)396 A.D.  
Ans:-1

40. What is the term AGMARK used for?  
(1) Grading various agricultural commodities  
(2) Grading battery toys  
(3) Grading polyester textiles  
(4) Grading engine lubricating oils  
Ans:-1

41. The standard used In India for certifying the quality of Industrial goods’ is  
(1)BIS  
(2) ISO  
(3) ITI  
(4) CEERI  
Ans:-1

42. An electric heater of 1 kW ratio is ‘used to heat water everyday for 2 hours. In 10 days it will consume:  
(l) 20 kWh  
(2)2kWh  
(3)0.2 kWh  
(4) 200kWh  
Ans:-1

43. Ozone is a gas having …… atoms of Oxygen in its molecules.  
(l) Four.  
(2)One  
(3) Two  
(4)Three  
Ans:-4

44. The percentage of carbon In One molecule of carbon dioxide is approximately:  
(1)2.73%  
(2)72.7%  
(3) 80.0%  
(4)27.3%  
Ans:-4

45. The term ‘CRACKING’ in the context of organic molecules is:  
(1) The process of fractional distillation in the refineries  
(2) Breaking of a large alkane molecule  
(3) A nuclear reaction wherein the nucleus is broken  
(4) Use of fire crackers to produce, heat to initiate chemical reactions  
Ans:-2

46. In a nuclear power station, which one of the following is commonly used as a fuel for producing heat?  
(1) Coal  
(2) Helium  
(3.) Heavy water  
(4) Uranium-235  
Ans:-4

47. Archimedes Principle is related to:  
(1) Laws of floatation  
(2) Right-angled triangle  
(3) Laws of gravity.  
(4) Relation between current and voltage  
Ans:-1

48. The commonly used washing soda is:  
(1) Sodium bicarbonate  
(2) Sodium Carbonate  
(3) Sodium Chloride  
(4) Magnesium Chloride  
Ans:-2

49. A person climbing a hill bends forward in order to:  
(1) Avoid slipping  
(2) Increase, speed  
(3) Reduce fatigue  
(4) Increase stability.  
Ans:-4

50. The Pole Star is a part of the constellation  
(1) Ursa Minor  
(2) Ursa Major  
(3) Orion  
(4) Hydra  
Ans:-1