TEACHERS RECRUITMENT TEST-2022

I.A. CT / I.Sc. CT

ST & SC DEVELOPMENT, MINORITIES & BACKWARD CLASSES WELFARE DEPARTMENT
GOVERNMENT OF ODISHA
BHUBANESWAR

Time	:	90 Minutes
Full Marks	:	100*
No. of Questions	:	100
No. of Pages	:	16

INSTRUCTIONS

Read the following instructions carefully before answering in the OMR Sheet.

1. Write the answers in OMR sheet.

2. Verify that the Question Booklet contains 16 pages. If any discrepancy is there, report to the invigilator immediately and ask for change of questions booklet.

3. Start answering when you are told to do so. Do not turn the pages before that.

4. Answer all the questions. Each question has four probable answers of which one is correct. You have to choose the correct answer and darken the bubble with the Black or Blue ball point pen.

5. *Each question will carry 1 mark each and there will be negative marking @0.25 mark for wrong answer.

6. Return the Answer Sheet only to the invigilator as soon as the final bell rings.

1. Which temple is called the 'Black Pagoda' ?
   (a) Lingaraj
   (b) Konark
   (c) Jagannath
   (d) Brahmeswar

2. Where is Indian Institute of Management located in Odisha ?
   (a) Cuttack
   (b) Bhubaneswar
   (c) Sambalpur
   (d) Berhampur

3. Who is the present Vice-President of USA ?
   (a) Mike Pence
   (b) Joe Biden
   (c) Dick Cheney
   (d) Kamla Harris

4. Which country has reported the highest number of deaths due to the pandemic COVID-19 ?
   (a) USA
   (b) India
   (c) Brazil
   (d) U. K.

5. Who was the Mughal emperor to build Taj Mahal ?
   (a) Babar
   (b) Shah Jahana
   (c) Akbar
   (d) Jahangir

6. In which century was the Puri Jagannath temple build ?
   (a) 12th
   (b) 10th
   (c) 18th
   (d) 19th

7. Who is the longest serving chief minister in India ?
   (a) Jyoti Basu
   (b) Naveen Patnaik
   (c) Pawan Kumar Chamling
   (d) Gegong Apang

8. Where is WHO located ?
   (a) New York
   (b) Paris
   (c) Stockholm
   (d) Geneva

9. What is the U K Currency called ?
   (a) Dollar
   (b) INR
   (c) Pound
   (d) Peso

10. Which type of electric light buls are the most efficient ?
    (a) Incandescent
    (b) Halogen
    (c) CFL
    (d) LED

11. Who was the first 'Padma Bibhusana' awardee from Odisha ?
    (a) Sudarshan Sahoo
    (b) Raghunath Panigrahi
    (c) Kelucharan Mohapatra
    (d) Raghunath Mohapatra

12. When was India's first organised armed rebellion called 'Paika Bidroha' against British rule held ?
    (a) 1817
    (b) 1837
    (c) 1857
    (d) 1917

13. Who was the first President of Indian National Congress ?
    (a) Dr. Rajendra Prasad
    (b) A. O. Hume
    (c) Umesh Chandra Banerjee
    (d) Lord Mountbatten

14. Which is the northern most state of India?
    (a) Himachal Pradesh
    (b) Uttarakhand
    (c) Jammu & Kashmir
    (d) Punjab

15. Where is the Thar desert located ?
    (a) Rajasthan
    (b) Gujarat
    (c) Uttar Pradesh
    (d) Maharastra

16. Which is the largest island in Antartica?
    (a) King George Island
    (b) Alexander Island
    (c) Livingstone Island
    (d) Ross Island

17. Who is now the National Security adviser to the Government of India ?
    (a) M. K. Narayan
    (b) Shivashankar Menon
    (c) Ajit K. Doval
    (d) J. J. Dixit

18. Who is now the Governor of Reserve Bank of India ?
    (a) Vithal Acharya
    (b) Shashikanta Das
    (c) Urjit Patel
    (d) Raghuram Rajan

19. Which is the indigenously developed COVID-19 Vaccine of India ?
    (a) Covishield   (b) Sputnik
    (c) Covaxin   (d) Moderna

20. Which vitamin is water soluble ?
    (a) Vitamin - C   (b) Vitamin - D
    (c) Vitamin - E   (d) Vitamin - K

21. In a certain code language COMPUTER is written as RFUVQNPC. How will MEDICINE be written in that code language
    (a) MFEDJJOE   (b) MFEJDJOE
    (c) EOJDJEFM   (d) EOJDEJFM

22. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?
    (a) Grandfather   (b) Daughter
    (c) Grandmother   (d) Granddaughter

23. In a certain code language,
    '134' means 'good and tasty'
    '478' means 'see good pictures'
    '729' means 'pictures are faint'.

    Which of the following digits stands for 'see'?
    (a) 8   (b) 9
    (c) 4   (d) 7

24. If A stands for '×', B stands for '-', C stands for '+' what is the value of (9 C 5) A (6 B 6) =?
    (a) 0   (b) 168
    (c) 162   (d) None of these

25. Statement: There has been an unprecedented increase in the number of successful candidates in this year's School Leaving Certificate Examination.

    Courses of Action:

    I. The government should make arrangements to increase number of seats of intermediate courses in existing colleges.

    II. The government should take active steps to open new colleges to accommodate all these successful candidates.

    (a) Only I follows
    (b) Only II follows
    (c) Either I or II follows
    (d) Neither I nor II follows

26. The day before yesterday was Saturday. What day will it be the day after tomorrow?
   (a) Tuesday   (b) Wednesday
   (c) Thursday   (d) Friday

27. Find the number of triangles in the given figure.

   (a) 8   (b) 10
   (c) 12   (d) 14

28. Your college has organized a blood donation camp. You
   (a) persuade your friends to donate
   (b) donate your blood at the camp
   (c) do not believe in donating blood and decide not to attend
   (d) yourself do not believe in donating blood but ask other to do so

29. You are handling a time-bound project. During the project review meeting, you find that the project is likely to get delayed due to lack of cooperation of the team members. You would...
   (a) Warn the team members for their non-cooperation
   (b) Look into reasons for non-cooperation
   (c) Ask for the replacement of team members
   (d) Ask for an extension of time citing reasons

30. You are competing with your batch-mate for the prestigious award to be decided based on an oral presentation. You have been asked by the committee to finish on time. Your friend, however, is allowed more than the stipulated time period.
   (a) Lodge a complaint to chairperson against the discrimination
   (b) Not listen to any justification from the committee
   (c) Ask for withdrawal of your name
   (d) Protest and leave the place

31. Two number are in the ratio 3 : 5. If 9 is subtracted from each, the new numbers are in the ratio 12 : 23. The smaller number is:
   (a) 28   (b) 33
   (c) 55   (d) 64

32. The product of two numbers is 120 and the sum of their squares is 289. The sum of the number is:
   (a) 20   (b) 19
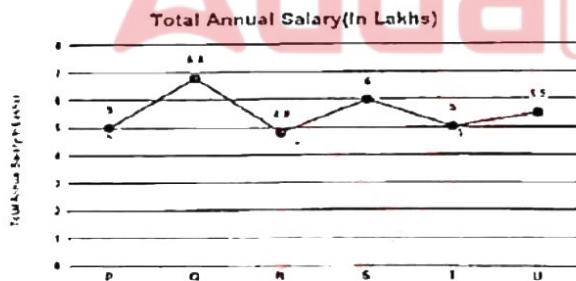   (c) 23   (d) None of these

33. The H.C.F. of two numbers is 23 and the other two factors of their L.C.M. are 13 and 14. The larger of the two numbers is:
   (a) 276   (b) 322
   (c) 276   (d) 385

34. A watch when sold for Rs. 400 fetches 25 percent profit, what would be the percentage profit/loss if 6 such watches are sold for Rs. 2112?

(a) 10% loss   (b) 10% profit

(c) 5% loss   (d) 5% profit

35. A person takes a loan of Rs. 2500 at 4% simple interest. He returns Rs.1500 at the end of 1 year. What amount he would pay to clear his dues at the end of 2 years?

(a) Rs. 1140   (b) Rs. 1150

(c) Rs. 1100   (d) Rs. 1050

Directions : (36-40) Read the following graph carefully and answer the question given below.

Line graph given below shows the total annual salary (in lakhs) of six different persons P, Q, R, S, T and U in 2021.

Total Annual Salary(In Lakhs)

36. If the total annual salary of P is increased by 1 lakhs and the total annual salary of Q is decreased by 0.8 lakh then what is the percent increase or decrease in P's salary with respect to Q's salary?

(a) 10%   (b) 5%

(c) 1%   (d) None of these

37. What is the ratio of total annual salary of P and T to the total annual salary of S and R?

(a) 27:25   (b) 25:27

(c) 5:9   (d) 9:5

38. What is the percent increase in the total annual salary of U with respect to the total annual salary of T?

(a) 5%   (b) 10%

(c) 5.5%   (d) 10.5%

39. Which of the following pairs have same total annual salary?

(a) PT   (b) ST

(c) PS   (d) QR

40. What is the average of total annual salary of P, R, S and T (in lakhs) in 2021?

(a) 5 Lakhs   (b) 4.8 Lakhs

(c) 5.2 Lakhs   (d) 5.4 Lakhs

41. The Purpose of ICT use in education is to

(a) Attract students

(b) Make teaching interesting

(c) Promote technology culture in education

(d) Optimize learning outcomes

42. Computer is a/an _____ device

(a) Electrical   (b) Electronics

(c) Mechanical   (d) All of these

43. Which of the following is/are hardware of computer?

(a) Keyboard   (b) Monitor

(c) Printer   (d) All of these

44. Super computer developed by Indian scientists.

(a) Blue Gene

(b) Param

(c) Super 301

(d) Compaq Presario

45. _____ is an operating system.

(a) Windows

(b) Ms Excel

(c) MS-Word

(d) MS-PowerPoint

46. Which one of the following is a valid email address?

(a) trupti@gmail.com

(b) gmail.com

(c) trupti@com

(d) None of these

47. The internet, sometimes called simply "Net" is

(a) a huge network of networks that joins computers from all across the world

(b) an internal communication system

(c) a communication system for the government

(d) All of the above

48. Which of the following is a mobile operating system?

(a) Linux

(b) Unix

(c) Android

(d) Windows

49. _____ is an example(s) of Social media.

(a) Facebook

(b) YouTube

(c) WhatsApp

(d) All of these

50. Digital Citizenship refers to the

(a) ability to engage positively, critically and competently in the digital environment

(b) ability to engage positively

(c) competently in the digital environment

(d) None of these

51. Which of the following is the determinant of human development?

(a) Almost by the genetic factors of the individual.

(b) Certain factors or sources over which the individual has no control.

(c) A complex inherited and environmental forces.

(d) Factors that vary from individual to individual.

52. What is the age limit of later childhood stage?

(a) 0 to 2 years

(b) 2 to 6 years

(c) 4 to 7 years

(d) 6 to 12 Years.

53. What is not true about 'Growth'?

(a) Growth is quantitative

(b) Growth is qualitative

(c) Growth is physical in nature

(d) Growth can be measured.

54. Which one of the following is not an 'Internal Factor' affecting growth and development?
    (a) Environment (b) Intelligence
    (c) Heredity   (d) Glands.

55. Which of the following aspects is not included in the 'Intellectual' development of the child?
    (a) Formation of perceptions
    (b) Formation of concepts
    (c) Development of language
    (d) Growth of body proportions and changes in blood pressure.

56. According to Piaget, at what stage does abstract thinking begin to develop?
    (a) Formal operational
    (b) Concrete operational
    (c) Sensori-motor
    (d) Pre-operational.

57. What is intra individual differences?
    (a) Differences among the individuals
    (b) Differences within the individual
    (c) Differences between individuals
    (d) None of the above.

58. Who had defined 'Learning as a process of progressive behavior adaptation'?
    (a) Crow & Crow
    (b) Daniel Bell
    (c) B.F. Skinner
    (d) Gardner & Murphy.

59. The force which works from inside the individual & requires no external stimulus is called as;
    (a) Intrinsic motivation
    (b) Extrinsic motivation
    (c) External motivation
    (d) All the above

60. What is the first step of creativity process?
    (a) Incubation
    (b) Illumination
    (c) Preparation
    (d) Evaluation

61. Which of the following is not an example of extrinsic motivation?
    (a) Praise   (b) Reward
    (c) Curiosity   (d) Prize.

62. Which of the following is a characteristic of a gifted child?
    (a) Low I.Q. Score
    (b) Unable to interact with others
    (c) Poor imagination power
    (d) Good in abstract thinking.

63. Who has propounded the 'Trial and Error' theory of learning?
    (a) BF Skinner
    (b) Crow & Crow
    (c) EL Thorndike
    (d) Kohler

64. Which one of the followings is a type of 'Dysgraphia'?
    (a) Sensory impairment
    (b) Learning disability
    (c) Intellectual impairment
    (d) Locomotor disability

65. Which is associated with "Dyslexia"?
    (a) Reading disorder
    (b) Hearing impairment
    (c) Mental disorder
    (d) Visual impairment

66. Which of the following is a characteristic of 'Learner-Centered' approach of teaching?
    (a) Teacher concentrates on right answer
    (b) Teacher is mostly concerned with the completion of the course
    (c) The focus is on learning than teaching
    (d) All the above.

67. Which one of the followings is an important characteristic of 'Growth and Development'?
    (a) They are contrary
    (b) They have nothing in common
    (c) They go hand in hand
    (d) They are synonymous.

68. What should be the characteristic of a good 'Language Text Book'?
    (a) Reading materials
    (b) Pictures and illustrations
    (c) Cultural content
    (d) All of the above

69. Which one is included for the 'Continuous and Comprehensive Evaluation'?
    (a) Only formative assessment
    (b) Only summative assessment
    (c) Neither formative nor summative assessment
    (d) Both formative and summative assessment using a wide variety of techniques.

70. Which of the following statement is not correct about CCE?
    (a) It is school based evaluation
    (b) It includes all aspects of students' development
    (c) Diagnostic evaluation is not included in it
    (d) Here both formal and informal techniques are used

71. Which of the following is responsible for introducing English in school curriculum of our country?
    (a) Wood's Despatch
    (b) Macaulay's Minutes
    (c) Hartog Committee Report
    (d) Sargent Committee Report

72. Which of the following is useful for learning language at the beginning?
    (a) Teaching
    (b) Explanation
    (c) Pursuation
    (d) Exposure

73. What challenge does a teacher face while teaching English in a diverse classroom of India ?

(a) Cultural diversity

(b) Multi-religious

(c) Multi-lingualism

(d) Diverse stratification

74. Which of the following is considered 'Receptive Skills' ?

(a) Listening and Reading

(b) Reading and Writing

(c) Listening and Speaking

(d) Speaking and Reading

75. Primary requirement for writing a composition is :

(a) sequencing   (b) vocabulary

(c) idea   (d) style

Read the passage carefully and answer the questions that follow :

Making children sensitive to the environment and the need for its protection is an important concern of education. The emergence of new technological choices and the present living styles witnessed during the last century have resulted in environmental degradation and vast imbalances in life. It has because imperative now more than even before to nurture and preserve the environment. Education can provide the necessary perspective on how human life can be reconciled with the crisis of the environment so that survival, growth and development remain possible.

76. Choose the most appropriate one from among the options similar in meaning to the word 'nurture'.

(a) Bring about

(b) Bring forth

(c) Bring out

(d) Bring up

77. The correct noun form of 'reconcile' is

(a) reconciliation

(b) reconcilation

(c) reconcillinasion

(d) reconcillasion

Read the passage below carefully and answer the questions that follow :

There is always a close and intimate relationship between the end we aim at and the means adopted to attain it. Even if the end is right but the means are wrong, it will vitiate the end or divert man in wrong direction. Means and ends are thus intimately connected and can not be separated. That, indeed, has been the lesson of old taught us by many great men in the past, but unfortunately it is seldom remembered. Two world wars are the price that has been paid for not paying heed to the wisdom of the past. It is a terrible price yet we have not purchased peace or a cessation of conflict and tragedy is that mankind does not profit by its experience and continues the same way.

78. Which of the following is a true statement as per the passage above ?

(a) Even if means are same, ends are different.

(b) Even if means are different, ends are same.

(c) If means are different, ends are different.

(d) Ends are not always the consequence of means.

79. Choose the correct preposition to complete the sentence 'The man was accused _____ theft'.

(a) for   (b) with

(c) of   (d) on

80. Which is the correct sentence ?

(a) She said that she will go to school tomorrow.

(b) She said that she would go to school tomorrow.

(c) She said that she would go the school the next day.

(d) She said that she will go to school the next day.

81. Which of the following indicates integration of Science and Social Sciences ?

(a) understanding social challenges

(b) man environment relationship

(c) understanding cultural heritage

(d) understanding Indian polity

82. Which is the most important aid of teaching learning EVS ?

(a) Awareness about environmental concerns

(b) Understanding societal challenges

(c) Developing analytical outlooks

(d) Promoting environmental related values

83. Which statement is correct ?

(a) EVS merely transmits information

(b) EVS has little scope for scientific enquiry

(c) EVS has a normative responsibility

(d) EVS is limited within its subject boundaries

84. Which technique is more useful in Activity based approach ?

(a) Project

(b) Experiment

(c) Group work

(d) Survey

85. An assessment carried out throughout the duration in a period is

(a) Summative assessment

(b) Formative assessment

(c) Continuous assessment

(d) Comprehensive assessment

86. When was Panchayat Raj introduced in India ?
    (a) November 4, 1953
    (b) September 23, 1960
    (c) October 5, 1958
    (d) October 2, 1959

87. Who is the final interpreter of our constitution ?
    (a) Central Government
    (b) Judiciary
    (c) Legislative
    (d) Executive

88. On the eve of which mass movement was the 'Do or die' slogan given to the nation ?
    (a) Rowlat Satyagraha
    (b) Salt Satyagraha
    (c) Quit India Movement
    (d) Non-cooperation movement

89. Kwashiorkar is caused due to deficiency of
    (a) Carbohydrate
    (b) Iron
    (c) Protein
    (d) Vitamin

90. Rotation of Earth causes
    (a) solar eclipse
    (b) summer season
    (c) day and night
    (d) Season change

91. Clarity of thought and pursuing assumptions to logical conclusions is central to the Mathematical enterprise - keeping in view the importance of Mathematics in daily life it was recommended by _____
    (a) NPE-1986
    (b) NCF - 2005
    (c) NEP- 2020
    (d) NPE-1968

92. Which of the following is not a nature of Mathematics?
    (a) Symbolical
    (b) Preciseness
    (c) Exactness
    (d) Precedence

93. Which one of the following is not linked with aims of teaching Mathematics?
    (a) Understanding
    (b) Infer
    (c) Recognise
    (d) Classify

94. Which of the following is not an affective domain in teaching Mathematics ?
    (a) Participating in Mathematics quiz
    (b) Preparing budget for school annual function
    (c) Reading of mathematical articles published in different journals
    (d) Become more confident

95. In which method of teaching a formula or generalization is arrived at through a convincing process of reasoning and solving of problems?
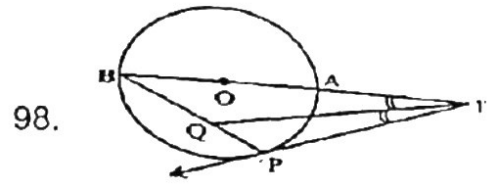
   (a) Discovery   (b) Inductive

   (c) Analysis   (d) Project

96. If a number is increased by 50% and then decreased by 60%, the resulting number becomes 80 less than the original number. What was the original number?

   (a) 80   (b) 100

   (c) 130   (d) 200

97. The smallest number, which when divided by 12,15,18 separately leaves remainder 3 in each case. It should be divided by which greatest possible prime number to leave 9 as reminder?

   (a) 17   (b) 23

   (c) 29   (d) 31

98.

In the above figure O is the centre of the circle and TP is a tangent with P as the point of contact. If Q is a point on BP and QT bisects $\angle BTP$, find $m\angle TQP$.

   (a) 30^0 (b) 45^0

   (c) 50^0 (d) 60^0

99. Find the missing term in the following series.

   1, 5, 14, 30, 55, ------

   (a) 80   (b) 90

   (c) 96   (d) 91

100. The cost of 5 mangoes is equal to the cost of 20 oranges. If the total cost of 2 mangoes and 10 oranges is ₹22.50, find the cost of one orange.

   (a) ₹1.20   (b) ₹1.30

   (c) ₹1.25   (d) ₹1.35