

Recruitment of A.D.E., D.E. of Schools, West Bengal
Educational Service by P.S.C. West Bengal
Date of Examination - 24/12/2013 SDT/12

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE ASKED TO DO SO.

2013

TEST BOOKLET

Time allowed : $1\frac{1}{2}$ hours

Full marks : 100

Answer **all** the questions.

Questions are of equal value.

Room No - 11
8th -

Application No.

328

Signature of the Candidate:

Rajendra Prasad Ghosh

INSTRUCTIONS

Candidates should read the following instructions **carefully** before answering the questions:

1. This booklet consists of 10 pages including **this front page**. Verify the Page Nos. and bring at once to the Invigilator's notice any discrepancy.
2. Answers will have to be given in the Special Answer-Sheet supplied for the purpose.
3. Before you proceed to mark in the Answer-Sheet in response to various items in the Test Booklet, you have to fill in some particulars in the Answer-Sheet as per instructions sent to you in the Admit Card. **Do not fold the Answer-Sheet as this will result in error in your marks.**
4. All questions are of multiple-choice answer-type. You will find **four** probable answers (A), (B), (C) and (D) against each question. Find out which of the four answers appears to be correct or the best. Now darken the circle corresponding to the letter of the selected answer in the Answer-Sheet with Black Ball Point Pen as per instructions printed on the Admit Card and in the Answer-Sheet.
5. If more than one circle is darkened for a particular answer, it will be treated as a wrong answer.
6. There will be negative marking of $\frac{1}{3}$ mark for each wrong answer.
7. There is blank page at the end of this booklet for Rough Work.
8. The Special Answer-Sheet should be handed over to the Invigilator before leaving the Examination Hall. You are permitted to take away the used Test Booklet after completion of the examination.

[Please Turn Over]

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1. Who was the first Indian woman President of Indian National Congress?

- (A) Annie Besant
(B) Vijay Lakshmi Pandit
(C) Sarojini Naidu 1925, Kanpur.
(D) Aruna Asaf Ali

2. The song 'Jana-Gana-Mana' composed by Rabindranath Tagore was first published under the Title of

- (A) Rashtra Jagriti
(B) Tatva Bodhini
(C) Bharat Vidhata in Tatva Bodhini Patrika
(D) None of the above

3. On 12th March, 2013, President of India attended the celebrations of the 45th Anniversary of Independence of

- (A) Maldives
(B) Sri Lanka
(C) Vietnam
(D) Mauritius

4. 'Ranatala Sen' is composed by

- (A) Bishnu Dey
(B) Samar Sen
(C) Jibananda Das
(D) Dinesh Das

5. When a person is unlawfully detained or imprisoned then what kind of writ can be issued by the Supreme Court or the High Courts?

- (A) Habeas Corpus
(B) Mandamus
(C) Prohibition
(D) Certiorari

6. Amarkantak is the source of the river

- (A) Mahanadi
(B) Godavari
(C) Narmada
(D) Tapi

7. The sum of two numbers is 8 and 15 times the sum of their reciprocals is also 8. The numbers are

- (A) 3, 5
(B) 6, 2
(C) 4, 4
(D) 7, 1
- $x+y=8$
 $15\left(\frac{1}{x}+\frac{1}{y}\right)=8$
 $\frac{15 \times 8}{xy} = 8$ $xy=15$ $x=5, y=3$

8. The population of a town decreases 6.25% annually and the present population is 20,480,000. The population after 3 years will be

- (A) 10,680,000
(B) 12,650,000
(C) 16,875,000
(D) 15,003,250
- 20480

9. A sum of money becomes 8 times of itself in 3 years at compound interest. The rate of interest is

- (A) 100%
(B) 90%
(C) 85%
(D) 70%
- $800 = 100 \left(1 + \frac{r}{100}\right)^3$
 $8 = \left(1 + \frac{r}{100}\right)^3$
 $2 = 1 + \frac{r}{100}$
 $\frac{r}{100} = 1$ $r = 100\%$

10. The ratio of two numbers is 3:4 and their H. C. F. is 4, then the sum of their squares is

- (A) 400
(B) 420
(C) 440
(D) 460
- $(3x)^2 + (4x)^2 = 144 + 256 = 400$

11. The simplest value of $\frac{3(5+4) \div 3(5-4)}{3-3 \div 3 \times 3 + 3}$

- (A) 9
(B) 6
(C) 3
(D) 1
- $= \frac{3 \times 9 \div 3}{3 - 1 \times 3 + 3} = \frac{9}{3} = 3$

12. A certain principal amounts to Rs. 560 in 3 years and Rs. 600 in 5 years. Determine the principal

- (A) Rs. 450
(B) Rs. 470
(C) Rs. 480
(D) Rs. 500
- $P + 5I = 600$
 $P + 3I = 560$
 $2I = 40$
 $I = 20$
 $3I = 60$
 $P = 500$

13. Education is different from instruction as the later implies

- (A) Passivity of learner
- (B) Manual work by the learner
- (C) Objective oriented course
- (D) None of the above

14. About whom the British Prime Minister said - "Half-naked-Fakir from India"?

- (A) Tej Bahadur Sapru
- (B) Gandhiji
- (C) Muhammad Ali
- (D) B. R. Ambedkar

15. Which City is known as Electronic City?

- (A) Gurgaon
- (B) Bengaluru *science city / city of Garden / Silicon city*
- (C) Jaipur
- (D) Chennai

16. The educational philosophy of Tagore has its root in

- (A) Idealism
- (B) Naturalism
- (C) Pragmatism
- (D) Both (a) and (b)

17. Who has been awarded 'Dadasaheb Falke Puraskar' in May, 2012?

- (A) Soumitra Chatterjee
- (B) Nana Patekar
- (C) Irfan Khan
- (D) Nasiruddin Shah

18. From which plant reserpine is obtained?

- (A) Tobacco
- (B) Tea
- (C) Sarpagandha
- (D) Cinchona

19. Pali was the medium of Instruction in the times of

- (A) Mahabira
- (B) Akbar
- (C) Ashoka
- (D) Rani Rasmoni

20. 'Moonwalk' is an album by

- (A) Michael Jackson
- (B) Rihanaa
- (C) Shakiraa
- (D) Lady Gaga

21. Negative education believes in

- (A) Negative sides of life
- (B) Stern discipline
- (C) Freeing the child from imposition
- (D) Nirvana

22. The oldest oil refinery in India is located at

- (A) Noonmati
- (B) Haldia
- (C) Digboi - 1899
- (D) Koyali

23. Hariprasad Chaurasia is famous for

- (A) Flute recital
- (B) Sarod recital
- (C) Sitar recital
- (D) Santoor recital

24. Astangik Marg was preached in

- (A) Vedic system
- (B) Islamic system
- (C) Budhistic system
- (D) Jainism

25. A man bought oranges at the rate of 6 for Rs. 30 and sold them at 4 for Rs. 25. His profit is

- (A) 25%
- (B) 30%
- (C) 35%
- (D) 20%

26. Name the Russian chess player who became the youngest World Champion in 1985?

- (A) Vladimir Kramnik
- (B) Antony Karpov
- (C) Vladimir Burmakin
- (D) Gary Kasparov *played with Antony Karpov and won to become 13th and youngest world championship at the age of 22.*

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27. Education at the concurrent list means
 (A) Sole responsibility of the State
 (B) Sole responsibility of the Centre
(C) Shared responsibility
 (D) Responsibility of UNESCO
28. Who was known as 'Baghajatin'?
(A) Jatin Das
 (B) Jatindranath Mukherjee
 (C) Jatindra Mohan Sengupta
 (D) None of the above
29. The study of coins is known as
 (A) Caligraphy
 (B) Epigraphy
(C) Numismatics
 (D) None of the above
30. The metal present in the longest percentage in the earth's crust is
 (A) Copper
 (B) Iron 5.63%
(C) Aluminium 8.23%
 (D) Calcium 3.65%
31. Secular State means
 (A) Anti religious
 (B) Irreligious
 (C) Atheist
(D) Indiscriminative towards any religion
32. Mean, Media and Mode are measures of
 (A) Variability
 (B) Regression
 (C) T ratio
(D) Central tendency
33. Identify the test of creativity
 (A) Binnet Simon Test
 (B) WAIS Wechsler Adult Intelligence Scale
 (C) Terman-Meril Test
 (D) Torrance Test of creative thinking
34. The full form of E. F. A. is
(A) Education For All
 (B) Education Finance Association
 (C) Education For Adult
 (D) Education Fund Act
35. Hierarchical theory of motivation was suggested by
(A) Maslow
 (B) Piaget
 (C) Atkinson
 (D) Skinner
36. The full form of CLASS is
 (A) Computer Literacy And Studies in Schools
 (B) Computer Learning Ability for Schools and Students
 (C) Classroom Learning and School Studies
 (D) None of the above
37. Guilford's S. O. I. Model stands for
(A) Structure of Intellect
 (B) System of Intelligence
 (C) Structure of Information
 (D) System of Intellect
38. "Where the mind is without fear and head is held high"; - Was Said by
 (A) Swami Vivekananda
 (B) Dayananda Saraswati
(C) Rabindra Nath Tagore
 (D) None of the above
39. Voluntary attention is
(A) Not spontaneous but deliberate
 (B) Not deliberate but spontaneous
 (C) Reflex action
 (D) A kind of Social Service
40. The full form of CAI is
 (A) Child Adult Instruction
(B) Computer Assisted Instruction
 (C) Creative Ability Index
 (D) None of the above
41. India's highest rainfall is reported at
 (A) Namchi, Sikkim
 (B) Churu, Rajasthan
(C) Mawsynram, Meghalaya
 (D) Chamba, Himachal Pradesh

42. The full form of ITS is

- (A) Intelligent Tutoring System
- (B) Intelligence Tutor System
- (C) Individual Tutoring System
- ~~(D) Individualised Training Scheme~~

43. IGNOU was established in the year

- (A) 1986
- ~~(B) 1985~~
- (C) 1984
- (D) 1982

44. The perimeter of a rectangular plot is 180 cm and its area is 1800 cm². The length of the plot is

- (A) 50 cm.
- ~~(B) 60 cm.~~
- (C) 55 cm.
- (D) 65 cm.

$$\begin{aligned} 2(l+b) &= 180 \\ l+b &= 90 \\ \text{Area} &= 1800 \\ l \times b &= 1800 \\ \text{If } l=60, b=30 \end{aligned}$$

45. The Concept Attainment Model (CAM) was given by

- ~~(A) J. Bruner~~
- (B) R. Glaser
- (C) D. Ausubel
- (D) B. Skinner

46. The simplest value of $0.827 \times 0.827 - 0.173 \times 0.173$ is

- (A) .0654
- ~~(B) 0.654~~
- (C) 6.54
- (D) 65.4

$$\begin{array}{r} .827 \\ \times .827 \\ \hline 1000 \end{array} \quad \begin{array}{r} .827 \\ \times .173 \\ \hline .654 \end{array}$$

47. CIET stands for

- (A) Central Institute of Education and Training
- (B) Central Institute of Educational Training
- (C) Central Institute of Educational Technology
- (D) None of the above

48. Wertheimer is a

- ~~(A) Gestaltist~~
- (B) Behaviourist
- (C) Psychoanalyst
- (D) Social Psychologist

49. Desist is the term which signifies

- (A) A reinforcer
- ~~(B) A punisher~~
- (C) A reward
- (D) None of the above

50. UNESCO is the abbreviated name for

- (A) Understanding Nation's Educational, Scientific, Cultural Organisation
- ~~(B) United Nations Educational Scientific and Cultural Organisation~~
- (C) United Nations' Educational Science Congress Office
- (D) Union of New Educational Science and Cultural Organisation

51. The highest order need as stated in Maslow's Meed Hierarchy Theory of Motivation is

- (A) Meed to love
- (B) Meed to understand
- (C) Meed for Self Esteem
- ~~(D) Meed for Self Actualisation~~

52. The least fraction of $\frac{0.1}{2}$, $\frac{0.2}{3}$, $\frac{0.3}{4}$, & $\frac{0.4}{5}$ is?

- ~~(A) $\frac{0.1}{2}$~~
- (B) $\frac{0.2}{3}$
- (C) $\frac{0.3}{4}$
- (D) $\frac{0.4}{5}$

$$\frac{1}{20}, \frac{2}{30}, \frac{3}{40}, \frac{4}{50} = \frac{2}{25}$$

53. Personality is derived from the latin word

- (A) Personae
- (B) Personi
- (C) Personal
- ~~(D) Persona~~

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54. Bashar al-Assad is the President of
 (A) Egypt
 (B) Syria
 (C) Iran
 (D) None of the above
55. Normal School was meant for
 (A) Normal children
 (B) Teaching in normal condition
 (C) Teachers' training
 (D) Main streaming
56. Which of the following is not a determinant of motivation?
 (A) Locus of Control
 (B) Intelligence
 (C) Level of Aspiration
 (D) Self Actualisation
57. The concept of 'Anticipatory set' was proposed by
 (A) B. Skinner
 (B) D. Ausubel
 (C) Bandura, *originator of social learning theory, bobo doll expt.*
 (D) Pavlov
58. The pages of the book are visible because they
 (A) Absorb light
 (B) Emit light
 (C) Reflect light
 (D) Refract light
59. Concept of reinforcement is introduced by
 (A) Pavlov
 (B) Kaplan
 (C) Bruner
 (D) Skinner
60. Concept attainment model is devised by
 (A) Ausubel
 (B) Lewin
 (C) Gagne
 (D) Bruner
61. Aim of complete living in Education was supported by
 (A) Herbert Spencer
 (B) J. F. Herbart
 (C) John Dewey
 (D) Plato
62. Which of the following characteristics is that of a Preoperational child?
 (A) Ego centric *Sensor y*
 (B) Hypersensitive *Pre op on*
 (C) Abstract thinking *concrete*
 (D) Animism *www.SimplyPsychology.org*
63. Identify the subjective condition of Attention
 (A) Interest
 (B) Intensity
 (C) Repetition
 (D) Movement
64. Identify the technique of evaluation from the following
 (A) Worksheets
 (B) Group Activity
 (C) Project
 (D) Criterion Referenced Testing *Group, Kaplan and Haeck 1st to introduce Repetition CRT*
65. Stages of cognitive development was identified by
 (A) J. Piaget
 (B) S. Freud
 (C) Kohler
 (D) Watson
66. Skinner's Programmed Instruction is an example of
 (A) Individualised Instruction
 (B) Group Instruction
 (C) Group - Individual Instruction
 (D) None of the above
67. Who was known as the mother of Indian revolutionaries?
 (A) Sister Nivedita
 (B) Annie Besant
 (C) Madam Cama
 (D) Matangini Hazra

68. The speed of the sound in air at S. T. P. is

- (A) 760 m/sec.
~~(B) 331 m/sec.~~
 (C) 760 cm/sec.
 (D) 331 cm/sec.

69. Article 243(K) Vests the power of conducting elections to the Panchayats on _____.

- ~~(A) State Election Commission~~
 (B) State Government
 (C) National Election Commission
 (D) Governor of a State

70. Teacher education programme is recognised by

- (A) NCERT
 (B) UGC
 (C) NAAC
~~(D) NCTE~~

71. Which one of the following rivers of India does not originate from the Western Ghats?

- (A) Cauvery
 (B) Godavari
 (C) Krishna
~~(D) Mahanadi~~

72. Five times a certain whole number is equal to three less than twice the square of the number. The number is

- (A) 2
 (B) 4
~~(C) 3~~
 (D) 1

$$5x = 2x^2 - 3$$

$$2x^2 - 5x - 3 = 0$$

$$2x^2 - 6x + x - 3 = 0$$

$$2x(x-3) + 1(x-3) = 0$$

$$(2x+1)(x-3) = 0$$

$$x = 3, x = -\frac{1}{2}$$

73. Some people can do three-seventh of a work in 28 days. To finish the rest of work in 21 days 14 more people were appointed. Determine the number of those people who were appointed initially.

- ~~(A) 18~~
 (B) 20
 (C) 22
 (D) 24

$$\frac{3}{7} \times 28 = (x+14) \times 21$$

$$\frac{24}{7} = \frac{(x+14) \times 21}{7}$$

$$24 = (x+14) \times 3$$

$$8 = x+14$$

$$x = 8 - 14$$

$$x = -6$$

74. Perfect relationship between two variables are expressed by a value of r as

- ~~(A) 1.00~~
 (B) 0.00
 (C) 0.88
 (D) 0.29

75. Projective tests are used to measure

- ~~(A) Personality~~ (Individual's Personality)
 (B) Intelligence
 (C) Achievement
 (D) Teaching skill

76. Title of the report of International Commission on Education for the 21st century is

- (A) Learning the treasure within
 (B) Education for 21st century
 (C) Education for future
 (D) Education for development

by UNESCO
 A commission
 of education
 in 1971

77. The full form of D. P. E. P. is

- (A) District Primary Educaiton Parishad
 (B) District Primary Enrichment Programme
~~(C) District Primary Education Programme~~
 (D) District Primary Educational Plan

78. Why was the Sarkaria Commision Constituted in June, 1983?

- ~~(A) to examine the relationship between State and Central Governments.~~
 (B) to review the working of the Indian Constitution
 (C) to probe 2G scam case
 (D) to review working of Planning in India

79. Find the percentage which is equivalent to the fraction $\frac{37}{40}$

- (A) $91\frac{1}{2}\%$
 (B) $29\frac{1}{2}\%$
~~(C) $92\frac{1}{2}\%$~~
 (D) $90\frac{1}{2}\%$

$$x\% = \frac{37}{40} \times 100$$

$$x = \frac{37 \times 100}{40}$$

$$x = \frac{37 \times 10}{4}$$

$$x = \frac{370}{4}$$

$$x = 92\frac{1}{2}$$

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80. The difference between $\frac{2}{3}$ rd and $\frac{1}{5}$ th of a number is 28. The number is

- (A) 40
(B) 50
(C) 60
(D) 70

$$\frac{2x}{3} - \frac{x}{5} = 28$$

$$\frac{10x - 3x}{15} = 28$$

$$\frac{7x}{15} = 28$$

$$7x = 28 \times 15$$

$$7x = 420$$

$$x = 60$$

81. The Score which occurs most frequently is called

- (A) Mean
(B) Mode
(C) Quartile
(D) Percentile

82. Structure of intellect is proposed by

- (A) Guilford
(B) Spearman
(C) Thurstone
(D) Skinner

83. Taxonomy of objectives is suggested by

- (A) Benzamine Bloom
(B) Young
(C) Carl Roger
(D) Maslow

84. The full form of W. B. I is

- (A) Web Based Instruction
(B) Web Based Information
(C) Web Based Intelligence
(D) None of the above

85. The Information Processing Model of Memory was given by

- (A) Atkinson - Shiffring
(B) Mc Dougall
(C) Freud
(D) Woodworth

86. If Rs. 4000 amount to Rs. 5324 for 3 years compound interest, determine the rate of interest per annum.

- (A) 8%
(B) 10%
(C) 10.5%
(D) 11%

$$4000 \times 1.1^3 = 5324$$

87. 'Chunking' is a strategy associated with

- (A) Memorisation
(B) Creativity
(C) Computer programmes
(D) Intelligence

88. A train 50 meters long passes a platform 100 meters long in 10 seconds. The speed of the train is

- (A) 54 km./hr.
(B) 55 km./hr.
(C) 60 km./hr.
(D) 70 km./hr.

89. The full form of E. G. S. is

- (A) Education Generation System
(B) Education Gurantee Scheme
(C) Educational Government Service
(D) None of the above

90. An empty tank is filled by the first tap in 3 hrs. and full tank is emptied by the second tap in 4 hrs. Both the taps are opened simultaneously when the tank empty. How long will it take to fill the tank?

- (A) 10 hrs.
(B) 11 hrs.
(C) 12 hrs.
(D) 13 hrs.

91. A man bought certain no. of eggs out of which 4% were bad. After selling 75% of the remainder, he had 96 eggs. The number of eggs he bought

- (A) 300
(B) 350
(C) 450
(D) 400

92. Fitting new experience into existing structure is known as

- (A) Accommodation
(B) Assimilation
(C) Sensation
(D) Habit formation

93. Which of the following is not an allotrope of carbon?

- (A) Alundum *Aluminium oxide*
(B) Carbonado *Black Diamond*
(C) Fullerene *C₆₀*
(D) Diamond

94. The United Nations' annual climate conference of 2012 was held at

- (A) Doha
(B) Durban
(C) New Delhi
(D) Geneva

95. By Social norm we mean

- (A) Average performance in achievement test
(B) Scales of measurement
(C) Individual resolution
(D) Standards of group behaviour

96. Who appoints the Governors of respective States?

- (A) Legislative Assemblies of respective States
(B) Chief Minister
(C) Prime Minister
(D) President of India

97. The highest peak of Eastern Ghat is

- (A) Nallamalai
(B) Mahabaleswar
(C) Harishchandragarh
(D) Mahendragiri (1501 m)

98. If the price of tea is increased by 20%, the percentage of consumption of tea should be reduced, so as not to increase the expenditure is

- (A) 16%
(B) 16.1%
(C) $16\frac{2}{3}\%$
(D) $16\frac{2}{5}\%$

99. In two boxes, the ratio of Darjeeling tea and Assam tea are 2:7 and 1:7 respectively. The ratio by which the two boxes of tea will be mixed up so that the new ratio of Darjeeling tea and Assam tea will be 1:4 is

- (A) 3:4
(B) 4:3
(C) 3:2
(D) 2:3

2×8

100. Which Committee is charged with detailed examination of budget estimates?

- (A) Business Advisory Committee
(B) The Public Accounts Committee
(C) The Estimates Committee
(D) Select Committee on Bills