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WBPS SI

Previous Year Paper
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1. ₹ 7,350 was partly invested in scheme A at 10% p.a. compound interest (compounded annually) for 2 years and partly in scheme B at 7% p.a. simple interest for 4 years. Both the schemes earn equal interest. How much was invested in scheme A?

- (A) ₹ 5,000
- (B) ₹ 4,200
- (C) ₹ 4,500
- (D) ₹ 3,150

2. $(\sqrt{8} \times \sqrt{8})^{1/2} + 9^{1/2} = (?)^3 + \sqrt{8} - 340$

- (A) 7
- (B) 19
- (C) 18
- (D) 9

3. Sum of the 8 consecutive odd numbers is 656. Also average of four consecutive even numbers is 87. What is the sum of the smallest odd number and second largest even number?

- (A) 165
- (B) 175
- (C) 163
- (D) Cannot be determined

4. Three pipes A, B and C can fill a tank from empty to full in 30 minutes, 20 minutes, and 10 minutes respectively. When the tank is empty, all the three pipes are opened. A, B and C discharge chemical solutions P, Q and R respectively. What is the proportion of the solution R in the liquid in the tank after 3 minutes?

- (A) $\frac{6}{11}$
- (B) $\frac{5}{11}$
- (C) $\frac{7}{11}$
- (D) $\frac{8}{11}$

5. A merchant has 1000 kg of sugar part of which he sells at 8% profit and the rest at 18% profit. He gains 14% on the whole. The quantity sold at 18% profit is

- (A) 300 kg
- (B) 400 kg
- (C) 600 kg
- (D) 500 kg

6. A starts a business with ₹ 40,000. After 2 months, B joined him with ₹ 60,000. C joined them after some more time with ₹ 1,20,000. At the end of the year, out of a total profit of ₹ 3,75,000, C gets ₹ 1,50,000 as his share. How many months after B joined the business, did C join?

- (A) 4 months
- (B) 5 months
- (C) 6 months
- (D) 7 months

7. Machine P can print one lakh books in 8 hours. Machine Q can print the same number of books in 10 hours while machine R can print the same in 12 hours. All the machines started printing at 9 A.M. Machine P is stopped at 11 A.M. and the remaining two machines complete work. Approximately at what time will the printing of one lakh books be completed?

- (A) 3 pm
- (B) 2 pm
- (C) 1 pm
- (D) 11 am

8. Arun borrowed a certain sum from Manish at a certain rate of simple interest for 2 years. He lent this sum to Sunil at the same rate of interest compounded annually for the same period. At the end of two years, he received ₹ 2,400 as compound interest but paid ₹ 2,000 only as simple interest. Find the rate of interest.

- (A) 40%
- (B) 30%
- (C) 20%
- (D) 10%

9. The current of a stream runs at the rate of 2 km per hr. A motor boat goes 10 km upstream and back again to the starting point in 55 min. Find the speed of motor boat in still water.

- (A) 22 km/hr
- (B) 12 km/hr
- (C) 20 km/hr
- (D) 16 km/hr

10. $\frac{1}{\sqrt{9}-\sqrt{8}} + \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} + \frac{1}{\sqrt{6}-\sqrt{5}} = ?$

- (A) 1.5
- (B) 0.25
- (C) 0.5
- (D) 5

11. How many pieces of 85 cm length can be cut from a rod of 42.5 metres long?

- (A) 15
- (B) 20
- (C) 22
- (D) 50

12. The ratio of the age of a man and his wife is 4:3. At the time of marriage the ratio was 5:3 and after 4 years this ratio will become 9:7. How many years ago were they married?

- (A) 8 years
- (B) 10 years
- (C) 11 years
- (D) 12 years

13. At what time between 7 and 8 O'clock will the hands of a clock be in the same straight line but not together?

- (A) 5 minutes past 7
- (B) $5\frac{3}{11}$ minutes past 7
- (C) $5\frac{7}{11}$ minutes past 7
- (D) $5\frac{1}{11}$ minutes past 7

14. Two trains each 500 metre long, are running in opposite directions on parallel tracks. If their speeds are 45 km/hr and 30 km/hr respectively, the time taken by the slower train to pass the driver of the faster one is

- (A) 50 seconds
- (B) 58 seconds
- (C) 24 seconds
- (D) 22 seconds

15. In an examination, a student's average marks were 63. If he had obtained 20 more marks for his Geography and 2 more marks for his History, his average would have been 65. How many subjects were there in the examination?

- (A) 12
- (B) 11
- (C) 13
- (D) 14

16. In how many ways can 7 different balls be distributed in 5 different boxes if any box can contain any number of balls and no box is left empty?

- (A) 16800
- (B) 12400
- (C) 22000
- (D) 19700

17. Arun wants to send invitation letter to his 7 friends. In how many ways can he send the invitation letter if he has 4 servants to carry the invitation letters?

- (A) 16384
- (B) 10801
- (C) 14152
- (D) 12308

18. Mr. Thomas invested an amount ₹ 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be ₹ 3,508, what was the amount invested in scheme B?

- (A) ₹ 6,400
- (B) ₹ 7,200
- (C) ₹ 6,500
- (D) ₹ 7,500

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19. Arun is travelling on his cycle and has calculated to reach point A at 2 pm if he travels at 10 kmph. he will reach there at 12 noon if he travels at 15 kmph. At what speed must he travel to reach A at 1 pm?

- (A) 8 kmph
- (B) 10 kmph
- (C) 12 kmph
- (D) 14 kmph

20. In an examination, 5% of the applicants were found ineligible and 85% of the eligible candidates belonged to the general category. If 4275 eligible candidates belonged to other categories, then how many candidates applied for the examination?

- (A) 28000
- (B) 30000
- (C) 32000
- (D) 33000

21. Two vessels A and B contain spirit and water in the ratio 5:2 and 7:6 respectively. Find the ratio in which these mixture be mixed to obtain a new mixture in vessel C containing spirit and water in the ratio 8:5?

- (A) 3:4
- (B) 4:3
- (C) 9:7
- (D) 7:9

22. A booster pump can be used for filling as well as for emptying a tank. The capacity of the tank is $2400\ m^3$. The emptying of the tank is $10\ m^3$ per minute higher than its filling capacity and the pump needs 8 minutes lesser to empty the tank than the needs to fill it. What is the filling capacity of the pump?

- (A) $20\ m^3/\text{min}$
- (B) $40\ m^3/\text{min}$
- (C) $50\ m^3/\text{min}$
- (D) $60\ m^3/\text{min}$

23. Two vertical poles are 200 m apart and the height of one is double that of the other. From the middle point of the line joining their feet and observer finds the angular elevations of their tops to be complementary. Find the heights of the poles.

- (A) 141 m and 282 m
- (B) 70.5 m and 141 m
- (C) 65 m and 130 m
- (D) 130 m and 260 m

24. At his usual rowing rate, Rahul can travel 12 miles downstream in a certain river in 6 hours less than it takes him to travel the same distance upstream. But if he could double his usual rowing rate for his 24 mile round trip, the downstream 12 miles would then take only one hour less than the upstream 12 miles. What is the speed of the current in miles per hour?

- (A) $\frac{7}{3}\ mph$
- (B) $\frac{4}{3}\ mph$
- (C) $\frac{5}{3}\ mph$
- (D) $\frac{8}{3}\ mph$

25. A contract is to be completed in 56 days if 104 persons work, each working at 8 hours a day. After 30 days $\frac{2}{5}$ of the work is completed. How many additional persons should be deployed so that the work will be completed in the scheduled time, each persons now working 9 hours a day?

- (A) 160
- (B) 150
- (C) 24
- (D) 56

26. The 2018 International Tiger Day is observed on which date?

- (A) July 29
- (B) July 28
- (C) July 30
- (D) July 31

27. The joint military exercise 'Maitree 2018' has started between India and which country?

- (A) Thailand
- (B) Nepal
- (C) Sri Lanka
- (D) Vietnam

28. Balramji Das Tandon, who passed away recently, at the time of his death was the Governor of which state?

- (A) Assam
- (B) Karnataka
- (C) Chhattisgarh
- (D) Himachal Pradesh

29. Which country is host to the 2018 Global Summit on Climate Action?

- (A) United States
- (B) Brazil
- (C) United Kingdom
- (D) France

30. The Anti-Leprosy Day is observed on which date in India?

- (A) January 28
- (B) January 30
- (C) January 29
- (D) January 31

31. Which country has recently declared that it will impose a 'carbon tax' from 2019 to cut its Greenhouse gas emissions?

- (A) India
- (B) Singapore
- (C) Malaysia
- (D) Japan

32. The Salal Hydro Electric Power Station is built across which river in Jammu and Kashmir?

- (A) Jhelum
- (B) Ravi
- (C) Chenab
- (D) Beas

33. Which State Government in India has declared Jackfruit as official fruit of the state?

- (A) Odisha
- (B) Nagaland
- (C) Kerala
- (D) Tripura

34. The world's longest sandstone cave has been discovered in which state of India?

- (A) Meghalaya
- (B) Karnataka
- (C) Arunachal Pradesh
- (D) Mizoram

35. What is the theme of the 2018 International Day of Forests?

- (A) Forests and Water
- (B) Forests and Energy
- (C) Forests and Sustainable Cities
- (D) Forests and Life

Please Turn Over

36. The world's largest solar park will come up in which Indian State?

- (A) Gujarat
- (B) Maharashtra
- (C) Punjab
- (D) Rajasthan

37. The Krishna Wildlife Sanctuary (KWS) is situated in which state?

- (A) Maharashtra
- (B) Karnataka
- (C) Andhra Pradesh
- (D) Kerala

38. Under which theme the Reserve Bank of India (RBI) has launched the 2018 Financial Literacy Week?

- (A) Digital Safety
- (B) Customer Protection
- (C) Banking Rules
- (D) Your Liability

39. Vikas Gowda has recently announced his retirement from which sports?

- (A) Boxing
- (B) Race Walking
- (C) Swimming
- (D) Discus throw

40. The World Health Organization (WHO) has launched which comprehensive plan to eliminate trans fat in foods by 2023?

- (A) HEALTH
- (B) REPLACE
- (C) CHANGE
- (D) TRANS HEALTH

41. The UNDP has proposed to set up skill development centre in which Indian city to empower vulnerable and marginalised women?

- (A) New Delhi
- (B) Chennai
- (C) Hyderabad
- (D) Bengaluru

42. The Sikkim Government has nominated which Bollywood personality as the Green Ambassador of the state?

- (A) Shreya Ghoshal
- (B) Atif Aslam
- (C) Mohit Chauhan
- (D) Sonu Nigam

43. Which of the following countries is to host the 23rd FIFA World Cup 2026?

- (A) US, Canada and Mexico
- (B) Brazil, Chile and Argentina
- (C) Brazil, Mexico and Spain
- (D) Thailand, Indonesia and Vietnam

44. Which app has been launched by the Indian Ministry of Railways to expedite and streamline passenger grievance redressal?

- (A) Rail Sathi
- (B) Rail Dost
- (C) Rail Madad
- (D) Rail Neer

45. The Kune Falls is located in which state in India?

- (A) Madhya Pradesh
- (B) Rajasthan
- (C) Kerala
- (D) Maharashtra

46. The biopic 'The Making of the Mahatma' has been screened in South Africa to commemorate the 125th year of Mahatma Gandhi's Satyagraha. The biopic is based on which novel?

- (A) The Essential Gandhi
- (B) Apprenticeship of a Mahatma
- (C) Satyagraha in South Africa
- (D) Gandhi on non-violence

47. Swapan Sarkar, who passed away recently, was associated with which field?

- (A) Politics
- (B) Sports Journalism
- (C) Law
- (D) Art

48. The Personal Laws (Amendment) Bill, 2018 aims to remove discrimination and stigma attached to patients of which disease?

- (A) Leprosy
- (B) HIV
- (C) Typhoid
- (D) Cancer

49. The book 'No Spin' is the autobiography of which veteran cricketer?

- (A) Anil Kumble
- (B) Muttiah Muralitharan
- (C) Shane Warne
- (D) Bishan Singh Bedi

50. What is the theme of the 2018 International Day for the preservation of the Ozone Layer?

- (A) Ozone : All there is between you and earth
- (B) Keep cool and carry on : The Montreal Protocol
- (C) Ozone and climate : Restored by a world united
- (D) Ozone : The mission to protect world

51. 11th Five Years Plan in India introduced on

- (A) 2002-2007
- (B) 2007-2012
- (C) 2012-2017
- (D) 1997-2002

52. Full form of DPEP:

- (A) District Primary Education Programme
- (B) District Policy on Education and Planning
- (C) District Policy of Economic Programme
- (D) None of the above

53. Full form of IRDP:

- (A) Internal River Development Project
- (B) International Rural Development Programme
- (C) Integrated Rural Development Project
- (D) Both (A) and (B)

54. Effective teaching means

- (A) corporal punishment given to student at the time of moral offences.
- (B) individualized instruction and open classroom discussion.
- (C) love, co-operation, sympathy, affection given to students.
- (D) Both (B) and (C)

55. The first important step in teaching is

- (A) planning before hand.
- (B) organizing material to be taught.
- (C) knowing the background of students.
- (D) None of the above

Please Turn Over



56. The most appropriate meaning of learning is
 (A) personal adjustment.
 (B) acquisition of skills.
 (C) modification of behaviour.
 (D) inculcation of knowledge.

57. Micro Teaching is useful to students of
 (A) higher classes and primary classes both.
 (B) 10 + 2 classes only.
 (C) primary classes only.
 (D) junior classes only.

58. If a teacher is not able to answer the question of a student, he should
 (A) feel shy of his ignorance.
 (B) rebuke the student.
 (C) say that he will answer after consultation.
 (D) say that the question is wrong.

59. Cause and Effect relationship are studied by studies.
 (A) experimental
 (B) clinical
 (C) comparative
 (D) developmental

60. Which one of the following is the most important elements in teaching?
 (A) Students knowledge
 (B) Subject matter
 (C) Relation between teacher and students
 (D) Teaching techniques and aids used

61. If some of your students misbehave with you in the school you must
 (A) report to the Headmaster.
 (B) improve their behaviour by your own character and scholarship.
 (C) report to their parents.
 (D) mobilize other teachers against these guys.

62. Mental Health is
 (A) harmonious functioning of the total personality.
 (B) symptoms of maladjustment.
 (C) terrible excitement.
 (D) can not able to adjust.

63. Good test of a psychological nature bear the following features:
 (A) Cheaper
 (B) Rote Learning
 (C) Reliability
 (D) Guessing Power

64. The best way to memorize to
 (A) study for long time.
 (B) understand the concept.
 (C) read loudly.
 (D) write the concept.

65. The best remedy of the student's problems related with learning is
 (A) suggestion for hard work.
 (B) suggestion for private tuition.
 (C) supervised study in Library.
 (D) diagnostic teaching.

66. Role of modern teacher —

- Helps his students in learning
- Maintain good discipline
- A friend, philosopher and guide
- Teaches the whole curriculum

67. You like teaching profession because

- you are interested in it.
- it is easy.
- it has less responsibility.
- it provide you more holidays.

68. The maximum contribution to the process of socialization in general comes from

- teacher
- school
- home
- community

69. Cooley's 'face to face' group refers to

- a primary group
- a formal group
- an out group
- inherited group

70. A group in which one has a 'We feeling' is called

- a primary group
- a secondary group
- an in-group
- a national group

71. What is the meaning of lesson plan?

- To read the lesson before teaching it.
- To prepare all that the teacher wants to teach in a limited period.
- To prepare detailed answer all the question to be asked in the class.
- To prepare the list of questions to be asked.

72. What do you mean by curriculum?

- Students learn through curriculum
- Sum total of annual study
- Indicate the course to be taught by the teacher to the students throughout the year
- Sum total of the activities of a school

73. Project method of teaching is an outstanding contribution of

- Realism
- Pragmatism
- Idealism
- Naturalism

74. Which school of philosophy raised the slogan 'Back to Nature'?

- Naturalism
- Idealism
- Pragmatism
- None of the above

75. National Adult Education Programme was introduced in India in _____.

- 1986
- 1979
- 1968
- 1978

76. Man is potentially divine — said.

- (A) Aurobinda
- (B) Gandhiji
- (C) Vivekananda
- (D) None of the above

77. The first principle of true teaching is that nothing can be taught — said.

- (A) Plato
- (B) Rusk
- (C) Herbert Spencer
- (D) Aurobinda

78. Integrated curriculum comes from

- (A) Idealism
- (B) Naturalism
- (C) Pragmatism
- (D) Realism

79. Idealism in education was propounded by

- (A) Rousseau
- (B) Aurobinda
- (C) Plato
- (D) Dewey

80. Modern education is _____ education.

- (A) teacher-centric
- (B) childcentric
- (C) traditional
- (D) None of the above

81. Father of childcentric education was

- (A) Rusk
- (B) Dewey
- (C) Vivekananda
- (D) Rousseau

82. Where was first Experimental Psychology Laboratory set up?

- (A) Berlin
- (B) Leipzig
- (C) Boston
- (D) Kolkata

83. Which method has made educational psychology is a science?

- (A) Survey method
- (B) Clinical method
- (C) Experimental method
- (D) Observation method

84. The original Guilford Structure of intellect model suggest

- (A) 7 primary factors
- (B) 150 factors
- (C) 120 factors
- (D) None of the above

85. The Army-Alpha and Army-Beta were devised during

- (A) World War II
- (B) 1950-60
- (C) World War I
- (D) 1980-90

86. Performance Test measured _____.
(A) Intelligence
(B) Memory
(C) Personality
(D) None of the above

87. In an Intelligence Test a child age is 8 years and his mental age is 9 years. His IQ is
(A) 100
(B) 125
(C) 112.5
(D) 95

88. "Learning is the modification of behaviour through experience and training" associated with
(A) Skinner
(B) Bhatia
(C) Gates and others
(D) None of the above

89. Insightful learning is basically learning by
(A) Conditions
(B) Cognitions
(C) Trial and Error
(D) Imitation

90. The expectancy theory is related to concept
(A) Motivation
(B) Memory
(C) Learning
(D) Emotion

91. At present the Government Policy on Education considers Education as a unique _____.
(A) source of income
(B) consumption
(C) investment
(D) expenditure

92. The University Education Commission (1948-49) recommended the establishment of
(A) Agriculture and Rural University.
(B) Central University in each state.
(C) Separate Urban and Rural University.
(D) University for Teacher Education.

93. Serampore College established on
(A) 1818
(B) 1820
(C) 1815
(D) 1830

94. Charter Act comes on
(A) 1825
(B) 1813
(C) 1805
(D) 1812

95. Full form of G.C.P.I.:
(A) Government Council for Private Institution
(B) General Committee of Public Instruction
(C) Government Committee for Public Instruction
(D) None of the above

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96. N.L.M. comes on

- (A) 1990
- (B) 1988
- (C) 2000
- (D) 1997

97. In the type of education, the family imparts to the child is

- (A) Formal
- (B) Nonformal
- (C) Informal
- (D) Traditional

98. Full form of S.U.P.W.:

- (A) Socially Useful and Productive Work
- (B) Social Useful Project Work
- (C) Society Upperclass Progress Work
- (D) None of the above

99. Drop-outs are more likely to be

- (A) unemployed.
- (B) engaged in antisocial behaviour.
- (C) vulnerable to the requirement of public assistance.
- (D) All of the above

100. National Policy for the Empowerment of Women comes on

- (A) 2000
- (B) 2005
- (C) 2001
- (D) 2010

