

Asst. Jallor Gr. I- Jall, Armed Police Sub Inspector (Trainee) - Police (APR), Excke Inspector - Excise, SI of Police (Trainee) - Police (GEB), Armed Police SI (SR for SC/ ST) - Police (APB) (Cat. Nos. 474/2012, 260/2014 421/2013, 253/2014 to 259/2014)

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Medium of Question: English Date of Test: 02.08.2014

Maximum : 100 marks

Time: 1 hour and 15 minutes

Jafer can complete a work in 6 days. Shyam can complete the same work in 3 days. In how many days Jafer and Shyam together can complete the work:

(A) 1

(B) 2 (C)

4

(D) 5

2.

A train of length 100 m runs at a speed of 120 km/h from north to south. Another train of length 150 m travels with a speed of 80 km from South to North. What is the time required to cross each other?

(A) 3.6

(B) 4 sec (C)

4.5 sec

(D) 5.2 sec

A metallic right circular cone of volume $36x$ is melt into a sphere. What is the surface area of that sphere?

(A) $40/3$.

(B) 307

(C) 462

(D) 36

4 years ago Ramu's age is the square root of his father's age. Now the age of

Ramu and his father are in the ratio 1:4. Then what is Ramu's age?

(A) 8

(B) 10

(C) 12

(D) 40

B

What is the smallest number divisible by 8, 9 and 12?

(A) 72

(B) 48 (C)

36

(D) 24

5.

IB

6.

Which of the following is divisible by both 6 and 15?

(A) 1215

(B) 1720 (C)

2160

(D) 3260

7.

H.C.F. of 24, 48 and 60

is :

(A) 6

(C) 12

(B) 8 (D) 24

8.

If the surface area and volume of sphere are in the ratio 1:2, what is the radius of the sphere?

(A) 2

(B) 3 (C) 5

(D) 6

9.

A merchant sells two dolls of price respectively Rs. 100 and Rs. 150 with a profit of 30% on first and a loss of 30% on second. What is his net profit/loss?

(A) 6% loss

(B) 6% gain (C)

15% loss

(D) 15% gain

10. 1-January 2013 is Tuesday. How many Tuesdays are there in 2013?

(A) 51

(B) 52 (C)

53

(D) 54

11. Starting from a place P, a man travelg 1 km towards North then turns towards right and travels 5 km. After that he turns towards right and travels 8 km. What is his current position with respect to P?

(A) 4 km towards East

(B) 6 km towards South West

(0) 4km towards North East

(D) 6 km towards South

East

12. Find the next term in the sequence : 1, 9, 25, 49,

- (A) 81
- (C) 138

- (B) 100
- (D) 121

121 1024

13. Find the odd one out:

- (A) 8425
- (C) 7225

(B) 6325 (D) 9225

14. Find the next term in the sequence : B, C, E, G, I, K, —

(A) L

- (B) M
- (C) N
- (D) O

(E) P

15. In a certain coding APPLE is coded as 512161601. Then MANGO is coded as:

- (A) 1507140113

8 D 9A

10 C 11 X

12 B 13 X

14 X 15 A

16 A

(C) 15714113

(B) 1301140715

(D) 1570141013

16. $(8 + 2) =$

(A) 18

(C)

18√2

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(B) 16 (D) 16/2

17. If 14th April 2013 is Sunday, 20th September 2013 is :

(A) Sunday

– (B) (C)

Wednesday

(D)

Tuesday Friday

18. Man is related to Brain. In a similar way computer is related to:

(A) Monitor

(B) RAM (C)

UPS

(D) CPU

19. Kavya is elder than Veena, Anu is younger than Kuttan and Veena is elder than Kuttan.

Who is eldest?

(A) Anu

Kavya

(B) Kuttan (C)

(D) Veena

20. If we arrange the numbers 1, 2, 6, 3, 5, 2, 4, 9 in ascending order, how many numbers keeps

the same

position? (A) 1

(B) 2 (D) 4

21. Which are essential constituents of all atoms?

(A)

Electrons (C)

Neutrons

(B) Protons

(D) Positrons

17

22. The distance of stars from earth is expressed generally in terms of:

(A) metre

(B) kilometer (C)

astronomical unit

(D) light

year

18 19C 20 X 21x 22 x

Or

23. High boiling point of water is due to:

(A) Weak dissociation of water molecules (B) High dissociation of water molecules (C) Hydrogen

bonding amongst water molecules (D) Vander Waals forces of attraction amongst the molecule

24. In an electrochemical cell, there is the conversion of:

- (A) Electrical energy into chemical energy
- (B) Chemical energy into electrical energy
- (C) Chemical energy into heat energy
- (D) Mechanical energy into heat energy

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25. Wood charcoal is used in gas masks because :

(A) it is poisonous (C) it is porous

(B) it liquifies gas
(D) it adsorbs gases

26. The disease caused by a protozoan:

(A) AIDS (C) Chicken guniya

(B) Malaria
(D) Typhoid

27. A protein solution on warming with concentrated nitric acid may turn yellow called :

(A) xanthoproteic test

(B) Biuret test (C)

Millions test

(D) Hopkins cole
test

28. The same group elements are
characterised by :

- (A) Ionization potential (B)
Electronegativity (C) Ionization
energy (D) No. of electrons in the
outermost shell

25DT 26 TB 27
LA 28 D 29C 30
x 31 x 32 C
33D

29. Acetyl salicylic acid is known as:

- (A) Oil of wintergreen (C)
Aspirin

- (B)
(D)
Salol Picric
acid

30. The no. of milligrams of potassium hydroxide required to saponify one
gram of a fat or oil:

- (A) Esterification
Hydrogenation
(B) saponification (C)
(D) Cleansing action

31.

Treaty signed in 1963 which banned nuclear tests in the atmosphere,
underwater and in space, but not underground?

- (A) PTBT
(B) NTBT (C)

NNPT

(D) CTBT

32. What is the full form of POTA?

- (A) Protection of Trade Association
- (B) Prevention Of Temporal Allotment
- (C) Prevention Of Terrorism Act
- (D) Permanent Association Of Traders

33. Name the country which launched its first pilot carbon trading scheme?

(A) Japan

(B) Korea

(C) Singapore

(D)

China **114/2014**

31. Supreme court granted the right to negative voting on:

(A) 27 September 2013

(B) 27th October 2018

(C) 27th August 2013

(D) 27 November 2013

35. Capital of Costa Rica

(A) Kinshasa

(C) Zagreb

(B) Nicosia (D)
San Jose

36. Who among the following was decorated with bravery award by world peace and prosperity foundation?

(A) Barack
Obama

(B) Malala Yousafzai

(C) Ban Ki-moon

(D) Pope Francis I

37. Which country is joined as the 28th member state of European Union on 1 July 2013?

(A) Croatia

(B) Cyprus (C)

Romania

(D) Honduras

38. Name the country which win the ICC Women's World Cup?

(A) France

(B) Italy (C)

Australia

(D) Germany

34

A 35D 36 B 37 A 38 39x 40A

39. The India independence bill was passed by the British Parliament on

(A) 1* August
1947

(B) 1* May 1947

(C) 1 June 1947

(D) 1* July
1947

42

x

1

40. The percentage of persons below poverty line in India is :

(A)
22%

(B) 21%

(D) 24%

(C) 23%

41. 'Kasi' the holy place was situated on the banks of the river:

(A) Yamuna

(B) Ganges

(C) Brahmaputra

(D) Indus

42. Name the mountain pass which provide access from Wayanad in Kerala to Mysore in

Karnataka :

(A) Thamarasseri
pass

(B) Palghat pass

(C) Perambadi pass

(D) Bodinayakkannur
pass

13. Konark the famous sun temple is situated in which state?

(A) Maharashtra

(B) Rajasthan (C)

Madhya Pradesh

(D) Odisha

44. The first National park in India was:

(A) Bandipur (C)

Jimcorbet

(B) Kasiranga

(D) Periyar

46 47

48

49

50

C B A

45. The first Deputy Chairman of the Planning Commission of India :

(A) Gulzarilal Nanda

(B) Asok Mehta (C) C.M.

Trivedi

(D) P. Sivsankar

46. Who was the Governor General of India during the time of the Revolt of 1857?

(A) Lord

Dalhousie

Lord Hardings

(B) Lord Mayo (C)

(D) Lord Canning

47. Who was the founder of Aligarh Movement?

(A) Ali Brothers

(B) Gulam Nabi Azad (C)

Sir Syed Ahammed Khan

(D) Moulavi

Ahammadulla 48. The newspaper published by Mrs. Annie Besant :

(A) Mahratta

(B) Common weal (C)

Bangabas

(D) Kesari

49. The leader of salt Satyagraha in Kerala was:

(A) K. Kelappan (C)

T.K. Madhavan

(B) Ramakrishna Pillai (D) Vakkom Abdul Khader Moulavi

50.

The Lahore session of the congress was held in the year:

(A) 1928

(B) 1930 (C)

1929

(D) 1931

51. Bharata puzha originates from the :

(A) Anamala (C)
Ponnmudi

(B) Azhimala (D)
Agastyamuzhi

52. Ezhimala situates to the north of:

(A) Kollam (C)
Kannur

(B) Calicut (D) Kasaragod

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4

53. The Kerala-Tamilnadu relations developed through the

(A) Tamarassery
passes

(C) Cherampady passes

(B) Palakkadan passes

(D) Periya passes

54. The author of Adi Bhasha :

(A) Sivayogi (C)
Ayyankali

(B) Chattampi Swami (D) Karuppan

51A 52X 53 X

54 B 55 TB

55. The first of the temples consecrated by Sri Narayana Guru :

(A) Sivagiri

Aluva

(B) Aruvippuram (C)

(D) Varkala

56. In which year was Satuyanaparipalana Sangam founded?

(A)

1806

(B) 1906

(C) 1907

(D) 1905

57 58A 59A 60x

57. Who was the founder of Athmavidyasagam?

(A) Chattampi Swami

(C) Palpu

(B)

Vagbhatananda

(D) Sivayogi

58. Who was the founder of the periodical Swadeshabhimani?

(A) Vakkam Moulavi

Dr. Palpu

(B) Ramakrishnapillai (C)

D) Kumaranasan

59. Which is the organization founded by Brahmananda Swami Sivayogi?

(A) Ananda Mahasabha

Athmavidyasangam

(B) Vidyaposhini (C)

(D) S.N.D.P

60. Mention the drama written by V.T.

Bhattathiripad:

(A) Kanneerum Kinavum

(B) Pattabacki (C)

Saraswathi Vijayam

(D)

Kalahinidamanakm

61 . Which Article of the Indian Constitution is related to Right to Education?

(A) Article 51A

(B) Article 45 (C)

Article 21A

(D) Article 19

62. Who was the President of the Indian Constituent Assembly?

(A) Dr. B.R.

Ambedkar

(B) Jawaharlal Nehru (C)

KM. Munshi

Dr. Rajendra Prasad

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63. The members of the Rajya Sabha are elected by the:

(A) People Directly (B) Members of State

Legislative Assemblies (C) Members of

Local Bodies (D) Members of State
Legislative Councils

64A 65D 66D

68 C 69 C 70 LAT

64.

The system of 'Ombudsman' was first introduced
in:

(A)

Sweden

USA

(B) India (C)

(D) Switzerland

65. The National Commission for women in India was formed in the
year:

(A) 1975

1985

(B) 1980 (C)

(D) 1992

66. Who appoint the Chairman of the State Public Service
Commission?

(A) President

Chief Minister

(B) Prime Minister (C)

(D) Governor

67. Which of the following types of rights have been described as First
Generation Rights?

(A) Social and Economic Rights (B) Civil and Political

Rights (C) Natural Rights

(D) Cultural Rights

68. Which part of the Indian Constitution deals with Directive Principles of State Policy?

(A) Part 11

(B) Part III (C)

Part IV

(D) Part VI

69. Who was the first Chairman of the NHRC PSC LIBRARY

69. Who was the first Chairman of the NHRC?

(A) Justice K.G. Balakrishnan

(C) Justice Ranganath Misra

(B) Justice V.S.

Malimath (D) Justice

A.S. Anand

70.

The Right to Information Act was passed in India in the year:

(A) 2005

(B) 2002 (C)

2008

(D) 2010

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10

71. Choose the correct option for the

following:

A "Dark Horse is:

- (A) An evil character
- (B) A dark coloured horse
- (C) A person whose abilities are hidden or unknown
- (D) A horse likely to win a race

71

72 73 741

75

72. Fill in the space using the correct preposition :

I was born

- Mumbai (A)

at (C) on

(B) (D)

in

from

73. Convert the sentence into indirect speech :

"You may leave the room", said the principal.

- (A) The principal said I might leave the room
- (B) The principal said I may leave the room
- (C) The principal says I might leave the room
- (D) The principal said I could leave the room

74. Correct the sentence :

I would pay up if I was
you.

(A) I would pay up if I
were you (C) I would paid
up if I were you

(B) I would pay up if I am you
(D) I would pay up if I are
you

75. Fill in the space using the correct
article:

This is _____
_____ book I was searching for.

(A) a

(1) an (C)

the

(D) none

76. Fill in the space using the correct form of
the adjective :

He is the _____
_____ person I have ever
met. (A) smart

smarter (C)

smartest

(D) none

77. Convert into passive voice :

They are rebuilding the school.

(A) The school is rebuilt (C)
The school was rebuilt

(B)

(D)

The school is being rebuilt
The school was being rebuilt

78. Choose the correct option:

The police

-

is

has

are questioning the suspects. (A)

(B) (C)

(D)

77

are

78

have

79. The antonym of "acquit" is:

(A). convict

(C) depict

79 A 80D 81 X 82 C

(B) evict (D) debit

83 84

C

80. A wide road with trees on either side is called :

(A) street (C)
lane

(B) alley
(D) avenue

81. The limit of micro-credit to a beneficiary under the Mahila Samridhi Yojana Scheme is :

(A) Rs. 10,000

(B) Rs. 15,000

(C) Rs. 20,000

(D) Rs. 25,000

82 . Allotment of an Indira Awaas Yojana (IAY) house :

(A) Shall be jointly in the name of husband and wife except in the case of a

widow/unmarried/separated person (B) May be solely in the name of the woman (C)

Both (A) and (B) (D) None of the above

83. Services under the ICDS Programme are rendered through:

(A) Anganwadi
Centers

(B) Primary Health

Centers (C) Police Stations

(D) None of the
above

84. Which of the following schemes has as its objective the integrated development of selected SC

majority villages?

- (A) Valmiki Ambedkar Awaas Yojana (VAMBAY)
- (B) Indira Awaas Yojana (IAY) (C) Pradhan Mantri Adarsh Gram Yojana (PMAGY) (D) Sampoorna Grameen Rozgar Yojana (SGRY)

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85. The Chairman of the Governing Body of Kudumbashree Mission is:

- (A) Minister for LSG
- (B) Principal Secretary, LSGD
- (C) Director of Panchayats
- (D) Commissioner for Rural Development

86. Which of the following is a Scheme for providing self-employment to educated unemployed youth?

- (A) Prime Minister's Rozgar Yojana (PMRY)
- (B) Indira Awaas Yojana (IAY)
- (C) National Food for Work Programme (NFWP)
- (D) Samagra Awaas Yojana (SAY)

87. An IAY [Indira Awaas Yojana] house shall not be alienated for a period of:

(A) 10 years

(B) 15 years

(C) 20 years

(D) 25 years

85A B6A

B9D 90A 91

88. Who among the following is entitled as of right to an 'Antyodaya card'?

(A) A person belonging to BPL social category (B) A person belonging to a primitive tribe (C) A person above the age of 65 years (D) All the above

89. The Nodal Officer at the district level for the implementation of the National Food for Work

Programme is :

(A) The District Judge

(B) The President, District Panchayat (C) The Anganwadi Supervisor (D) The District Collector

90. Which of the following Schemes aims to provide food security for all through Public

Distribution System?

(A) Antyodaya Anna Yojana (AAY) (B) Indira Awaas Yojana (IAY) (C) Balika Samriddhi Yojana (BSY) (D) Valmiki Ambedkar Awaas Yojana (VAMBAY)

91. Which computer language is used for Artificial Intelligence among the following?

- (A) FORTRAN
- (B) C (C) PROLOG
- (D) COBOL

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92. Who invented the high level programming language C?

- (A) Dennis M. Ritchie
- (B) Robert E. Kahn
- (C) Donald Ritchie
- (D) James Gosling

93. Expansion of UNIVAC is :

- (A) Universal Vacuum Computer (B) Universal Automatic Computer (C) Universal Integrated Vacuum Computer (D) United Vacuum Computer

2 93B 94 B 95C 9% A 97C 98D 99x 100 C

94. Binary number of the decimal number 15 is:

- (A) 1010
- (C) 1101

- (B) 1111
- (D) 1001

95. 1's complement of the 1011:

- (A) 1100 (C) 0100
- (B) 0011 (D) 0110

96. In a client/server computer network, the user's computer is usually called :

- (A) Client
- (B) Network (C) Server
- (D) Website

97.

The extension of .com, .edu, .org, .net etc are usually called :

- (A) Network
- (B) IP address (C) Domain name
- (D) Mail id

98. FTP stands for :

- (A) First Transfer Protocol (C) File Transport Protocol
- (B) File Text Protocol (D) File Transfer Protocol

99. Which of the following is a cyber crime?

- (A) Hacking (C) Email

spoofing

(B) Trojan (D) None
of the above

100. What is a firewall
protection?

(A) Spam messages
(C) Security

(B) Most of the viruses
(D) Malicious worms

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