

MTS EXAMINATION - 2011

Class : 1

1

Register No.

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Marks: 50
Time : 2 Hrs.

General Instructions:

1. Candidates will be supplied with separate Question Paper and Answer Sheet.
2. Answer the questions in the OMR Sheet by shading the appropriate bubble.
3. Shade the bubbles with black ball pen.
4. Each Question carries one mark.
5. Use the space provided in the last page for rough work.

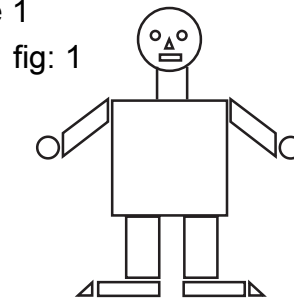
1. We need to breath
a. air b. water c. food d. milk
2. The.....is our first school
a. nursery b. village c. society d. family
3. I.....with my ear
a. see b. hear c. taste d. speak
4. I smell with my.....
a. ears b. eyes c. nose d. legs
5. Food help us to.....
a. sleep b. taste c. grow d. walk
6. The food we eat at night is called.....
a. dinner b. supper c. breakfast d. lunch
7.is a model of the earth
a. map b. globe c. forest d. sun

Read the following passage and answer the questions 8 to 11.

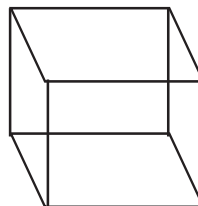
Nibin and Rama are at the park. They are looking at a butterfly. Their mother and father are standing behind them. There is a tree in the park. A bird has laid four eggs in a nest on the tree. A worm is peeping from a hole. There are many flowers in the park.

8. Who are there in the park?
a. Nibin and his parents b. Rama and her neighbours
c. Nibin, Rama and their parents d. Nibin's and Rama's friends
9. What are they doing?
a. They are looking at a butterfly b. They are playing
c. They are walking with their parents d. They are peeping into a hole
10. How many trees are there in the park?
a. many b. one c. three d. four

11. Which word in the passage means 'look at something secretly'
 a. hole b. laid c. peep d. behind
12. That is _____ house.
 a. Rani's b. Ranis' c. Rani's' d. Ranis
13. Pick out the naming word from the following words.
 a. walking b. sad c. small d. cat
14. I have a pen. I like _____ very much.
 a. its b. it c. my d. is
15. Pick out the correctly spelt word
 a. teecher b. shcool c. hospital d. habbit
16. Cats mew and horses _____.
 a. bark b. caw c. moos d. neigh
17. Which of the following is having a rectangular shape?
 a. coin b. Match box c. Egg d. Bangle
18. Which is the most ocured shape in figure 1

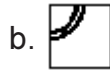
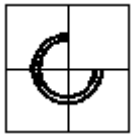


19. The date 1992 October 2 can be numerically recorded as
- a. 02 / 10 / 1992 b. 10 / 02 / 1992
 c. 10 / 10 / 02 d. 02 / 10 / 2010
20. The shortest plant among the following is
- a. coconut tree b. Mulberry plant
 c. Paddy d. Mango tree
21. Rs. 5 + Rs. 10 + Rs. 5 =
- a. Rs. 20 b. Rs. 25 c. Rs. 15 d. Rs. 30
22. 2 tens is
- a. 20 b. 10 c. 2 d. 0
23. $6 - 4 = \dots + \dots$
- a. 6, 4 b. 1, 1 c. 2, 2 d. 6, 0
24. Count and write the number of squares in the following figure
- a. 5 b. 6
 c. 8 d. 11
25. When do you have your breakfast?
- a. 11'O clock b. 8'O clock c. 3'O clock d. 12'O clock

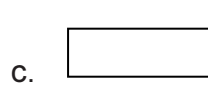
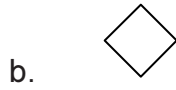
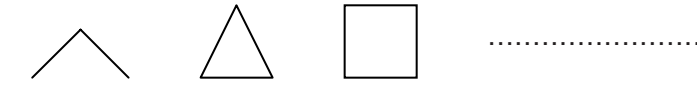


26. Who is the President of India?
a. Prathibha Patil b. Soniya Gandhi c. Manmohan Singh d. Abdul Kalam
27. Where is the Supreme Court situated?
a. Delhi b. Mumbai c. Kolkatta d. Bangalore
28. Where is the Red Fort situated?
a. Ourangabad b. Lucknow c. Bangalore d. Delhi
29. Which is the largest sense organ in our body?
a. Eye b. Nose c. Ear d. Skin
30.makes beautiful Ornaments.
a. Cobbler b. Carpenter c. Goldsmith d. None of these
31. Bible is the Holy book of
a. Muslims b. Hindus c. Sikhs d. Christians
32. Which is our national animal?
a. Horse b. Zebra c. Tiger d. Elephant
33. The National Game of India is
a. Hockey b. Cricket c. Football d. Kabadi
34. What is the shape of the earth?
a. Square b. Rectangle c. Round d. Triangle
35. A tree with no branches
a. Mango Tree b. Banyan Tree c. Coconut Tree d. Neem Tree
36. There aremonths in a year.
a. 7 b. 12 c. 30 d. 10
37. We cross the road only when the light is
a. Red b. Blue c. Green d. Yellow.
38. My mother's mother is my
a. Mother b. Grandmother c. Aunty d. Cousin
39.is called the ship of the desert.
a. Camel b. Kangaroo c. Elephant d. Horse.
40. I stitch your clothes. I am a
a. Gardener b. Tailor c. Cobbler d. Guard
41. Find the odd one out ? S T U V W
a. S b. V c. U d. W
42. Complete the series with the correct alternative given below.
2, 4, 6, 8, ____, 12
a. 9 b. 10 c. 11 d. 0
43. ABC, DEF, GHI, _____
a. JKL b. CBA c. LMN d. LKJ

44. Which figure in the answer will complete the given pattern?



45. Complete the given pattern.



46. Cobbler : Shoe, Carpenter : _____?

a. Gold

b. Furniture

c. Wood

d. Iron.

47. If $a + b = 1$ and $a = 1$ then what will be the value of b ?

a. 6

b. 3

c. 0

d. 1

48. Arrange the following in an order:

9, 7, 3, 5, 11

a. 3, 5, 7, 9, 11

b. 7, 5, 3, 9, 11

c. 11, 5, 9, 7, 3

d. 5, 3, 9, 7, 11

49. If 5 birds are sitting on a tree. 3 birds flew away, how many will be left on the tree?

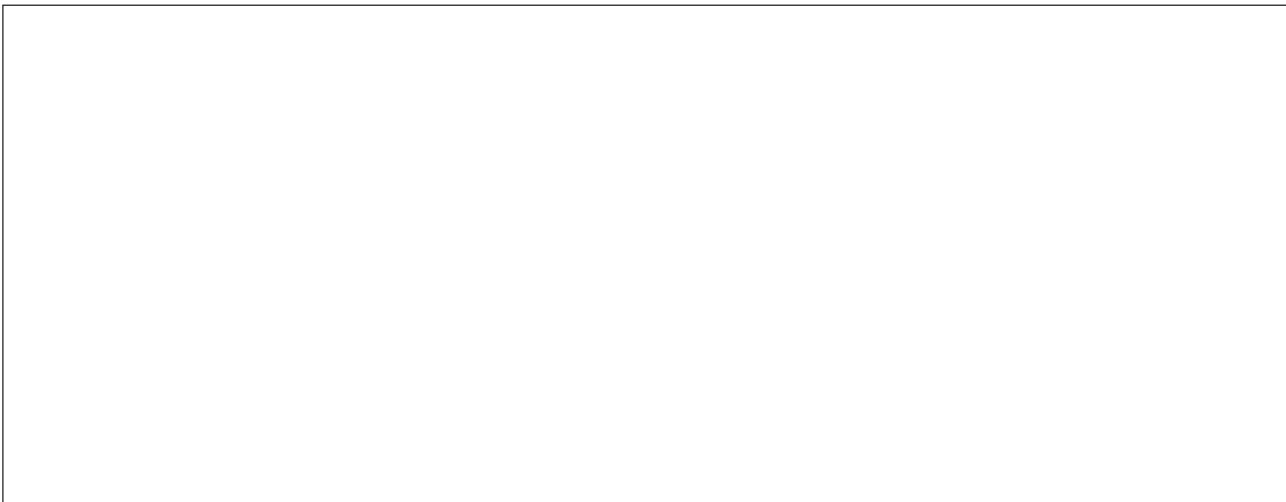
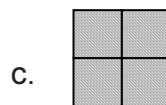
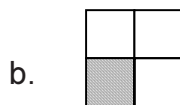
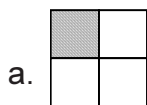
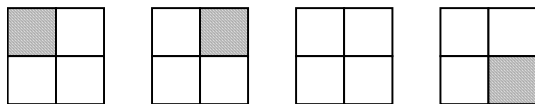
a. 5

b. 2

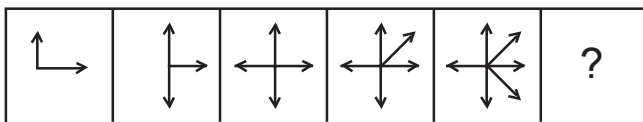
c. 3

d. 0

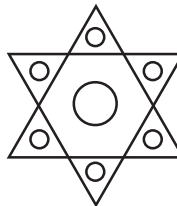
50. Identify the missing figure.



10. What kind of a friend did the little boy want?
 a. a friend of his age. b. a friend to talk to.
 c. a friend in his house. d. a friend to play with.
11. What did the little boy tell the puppy about?
 a. about his brother. b. about his father and mother.
 c. about his school, friends and teachers. d. about his loneliness.
12. Which is the correct sentence?
 a. Mohan eats a rice every day. b. Mohan eats rice every day.
 c. Mohan eat rice every day. d. Mohan eats rices everyday.
13. Pick the odd one out.
 a. water b. milk c. sugar d. star
14. I always my hands with soap and water.
 a. washes b. washing c. wash d. will wash
15. 'Peep', 'stare' and 'glance' are three different ways of
 a. looking b. hearing c. tasting d. walking
16. A sheet of _____.
 a. bread b. rice c. string d. paper
17. Complete the pattern

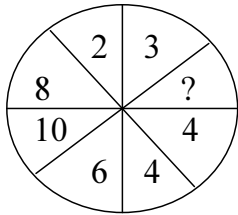


- a. b. c. d.
18. A₁, Z₂, B₂, Y₄, C₃, _____, _____
 a. X₆, D₄ b. X₅, D₄ c. X₆, D₅ d. X₆, D₆
19. A shape having 4 sides is a _____
 a. Triangle b. Rectangle c. Circle d. Sphere
20. How many triangles and circles are there in the following figure?
 a. 6 triangles and 6 circles
 b. 8 triangles and 7 circles
 c. 8 triangles and 6 circles
 d. 6 triangles and 7 circles



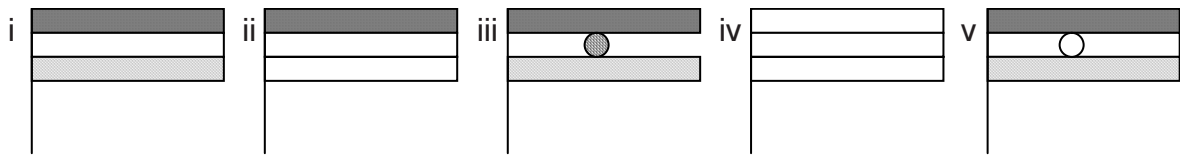
21. $15 + 11 = 10 + \underline{\hspace{2cm}}$
 a. 16 b. 6 c. 26 d. 15
22. How many times does the digit 1 occur on writing from 0 to 20?
 a. 11 b. 12 c. 10 d. 9
23. How many 50 paise make Rs. 4?
 a. 2 b. 8 c. 6 d. 10
24. An elephant drinks 9 buckets of water. How many buckets of water does 3 elephants drink?
 a. 18 b. 26 c. 24 d. 27
25. How many days are there in a leap year?
 a. 365 b. 366 c. 356 d. 346

46. Which word comes last in the dictionary?
 a. Pent b. Sent c. Went d. Tent
47. Find the missing number



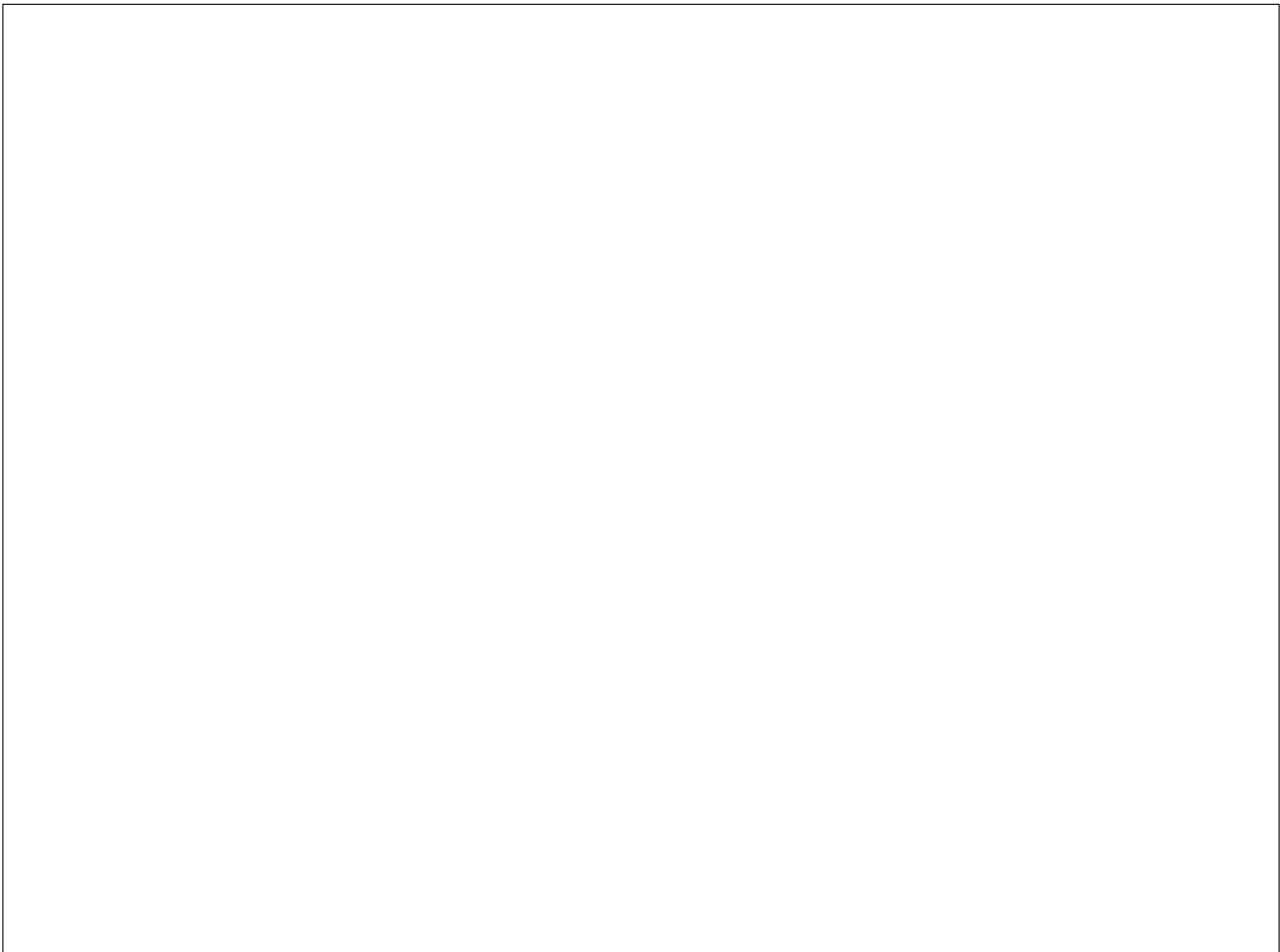
- a. 12 b. 5 c. 7 d. 9

48. Arrange in order.



- a. i, ii, iii, iv, v b. iv, ii, i, v, iii c. iii, ii, i, iv, v d. ii, iii, v, iv, i

49. Spot out the stranger
 a. Navy b. Military c. Air Force d. Infantry
50. If you are eleventh in a queue, the one standing behind you will be
 a. Tenth b. Twelfth c. Ninth d. eighth



MTS EXAMINATION - 2011

3

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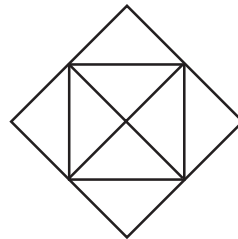
- 1 Plants make food in their.....
a. flowers b. fruits c. leaves d. stem
- 2 is a home for many wild animals
a. hut b. stable c. jungle d. coop
- 3 'I make my home by stitching leaves'. Who am I ?
a. Eagle b. Humming bird c. Wood pecker d. Parrot
- 4 Where do we deposit our money and valuable things ?
a. bank b. hospital c. shop d. school
- 5 We use a to plough the field.
a. scooter b. tractor c. ambulance d. truck
- 6 We can see the caterpillar on the
a. ground b. branches c. leaves d. soil
- 7 Which one is not a means of mass communication ?
a. radio b. newspaper c. television d. telephone

Read the passage and choose the correct answers for the questions from 8 to 11.

Amol lived in a village with his parents. He was a naughty boy. He was very lazy too. Whenever his mother asked him to help her in cleaning the room, Amol ran out to play with his friends and enjoyed himself. One day, Amol's mother asked him to get some eggs from the market. Amol went to the market with his friends. On the way back, Amol saw a woman selling buttermilk. He threw a stone at the pot of buttermilk. The buttermilk flowed on to the road. The woman was very angry. She complained about Amol to his mother. Amol's mother punished him by making him clean the shed at the back of their house.

8. What did Amol do when his mother asked him to help her?
a. He went to the market. b. He ran out to play with his friends.
c. He helped his mother. d. He cleaned the shed.
9. Why did Amol's mother punish him?
a. because he played with his friends. b. because he broke all the eggs.
c. because he threw a stone at the pot of buttermilk.
d. because he didn't obey his mother.
10. What did his mother ask him to get from the market?
a. Eggs. b. Buttermilk. c. Sugar d. Milk

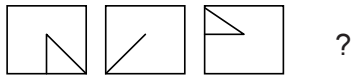
11. The lesson we studied from this story is
 a. We should not play with our friends. b. We should not help our parents.
 c. We should have good character. d. We should not obey our parents
12. Pick out the adverb from the given sentence.
 The machine switches itself off automatically.
 a. machine b. switches c. itself d. automatically
13. Choose the answer for the question given below from among the options.
 Arun: "What does your brother do there?"
 Sneha:
- a. He painted a picture.
 b. He was painting a picture.
 c. He paints pictures.
 d. He is painting a picture.
14. I like cricket _____ my sister likes football.
 a. and b. but c. for d. because
15. Wrapping, covering and binding are the three different meanings of
 a. packaging b. advertising c. singing d. ploughing
16. Choose the opposite word of 'dull'
 a. clever b. strong c. young d. bright
17. The time 'quarter past 8' is written as _____
 a. 8:30 b. 8:00 c. 8:15 d. 7:45
18. A suitable unit for measuring height of a building is _____
 a. cm b. m c. km. d. mm
19. Raju has fever. He has to take 3 tablets daily for 5 days. How many tablets should he buy?
 a. 8 b. 35 c. 53 d. 15
20. Simplify the following:
 $5 \times 6 + 11 - 5 =$ _____
 a. 24 b. 36 c. 20 d. 35
21. What should be added to 77 runs to make a century?
 a. 23 b. 3 c. 4 d. 6
22. If 16 bananas are distributed equally among 4 monkeys, each monkey will get _____ bananas.
 a. 12 b. 10 c. 4 d. 6
23. If $1+2=31$, $2+3=51$, $3+4=71$, $4+5 =$ _____
 a. 19 b. 91 c. 81 d. 18
24. 6Z, 12X, 18V, _____
 a. 12X b. 24T c. 18V d. 24W
25. How many triangles are there in the figure?
 a. 10 b. 13 c. 12 d. 14



26. 2010 Common Wealth Games was held at
 a. New Delhi b. Mumbai c. Bangalore d. Cochin
27. A doctor uses me to hear the sounds inside your chest.
 a. Telephone b. Piano c. Thermometer d. Stethoscope

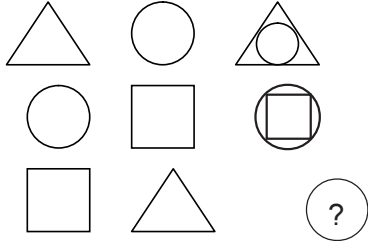
28. Shed is to cow as stable is to
- a. Elephant b. Man c. Horse d. Birds
29. She helped the poor and sick. She always wore a white sari with a blue border.
- a. Rani Mukherji b. Saniya Mirza c. Indira Gandhi d. Mother Theresa
30. When you look at me you can see yourself. I am a.....
- a. Picture b. Mirror c. Photo d. Glass
31. I am yellow outside and white inside. You peel my yellow skin to eat me.
- a. Apple b. Banana c. Grapes d. Orange
32. Who is known as the father of Indian Constitution?
- a. Dr. B.R. Ambedkar b. Rajendra Prasad c. Mahatma Gandhi d. Jawaharlal Nehru
33. Sanya Mirza: Tennis ; AR.Rahman :.....
- a. Novelist b. Music Director c. Journalist d. Politician
34. Which of the following games does Mahesh Bhupathi play?
- a. Badminton b. Tennis c. Cricket d. Hockey.
35. The Malayalam writer who won the present 'gyanpith' award.
- a. ONV.Kurup b. Balachandran Chullikkad
c. Murukan Kattakada d. Ayyappan
36. Pick out the odd one
- a. Teacher b. Attender c. Doctor d. Nurse
37. Whose birthday is celebrated as the Children's day?
- a. Lal Bahadur shastri b. Mother Theresa
c. Jawaharlal Nehru d. Mahatma Gandhi
38. I look after peopl's teeth.I am a
- a. Dentist b. Chemist c. florist d. Gynaecologist
39. How many hours are there in a week?
- a. 24 hours b. 48 hours c. 168 hours d. 12 hours
40. Who invented aeroplane?
- a. Wright Brothers b. Thomas Alva Edison
c. Rakesh Sharma d. Edmund Hilary
41. If you take away two apples from 3 apples what would remain?
- a. 1 b. 2 c. 3 d. 4
42. Some months have 30 days. Some months have 31 days. How many months have 28 days?
- a. 1 b. 4 c. 6 d. none of these
43. Car is to road, a train is to _____
- a. Wheels b. rails c. surface d. locomotive
44. Which is the odd one out ?
- a. Hockey b. Exercise c. Tennis d. Foot ball
45. A forest is to a tree as a tree is to _____?
- a. leaf b. orchard c. jungle d. plant
46. Which is the next number in the series 18, 13, 9, 6, 4, _____
- a. 1 b. 2 c. 3 d. 4

47. Complete the sequence.



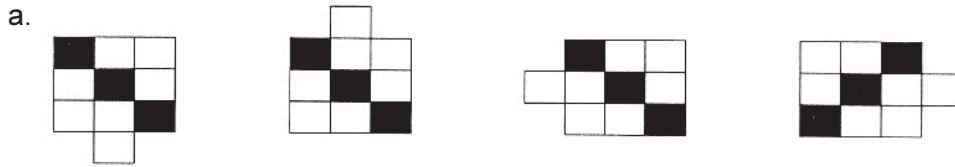
- a. b. c. d.

48. Find out the missing figure.



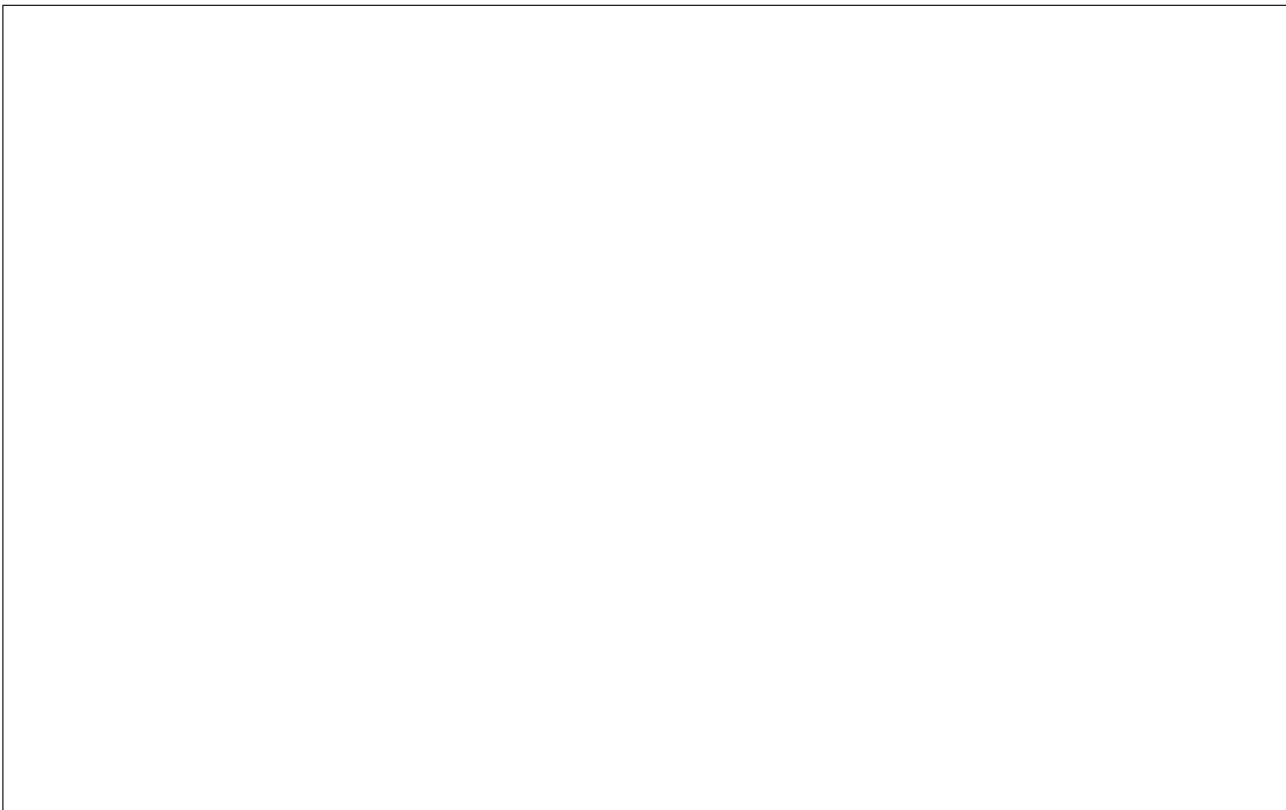
- a. b. c. d.

49. Which is the odd one out?



50. If you had only one match box and entered a cold and dark room where there was an oil heater, oil lamp, candle. Which would you light first?

- a. oil heater b. oil lamp c. candle d. match stick



26. The father of Cell phone.
a. Graham bell b. Martine Cooper c. Samuel Morse d. J.P Reis
27. The First Indian woman athlete to win an Athletics medal in common wealth games for long jump.
a. Anju Bobby George b. Shiny Wilson c. Karnam Mallesawri d. PT.Usha
28. The statue of the goddess of Liberty is located on the Liberty Island in.....It was presented to the US by France.
a. Washington b. New York c. Pennsylvania d. Chicago
29. The capital of Nagaland is.....
a. Manipur b. Kohima c. Imphal d. Agartala
30. Popularly known as “ Netaji’ , he raised the Azad Hind Fauj [Indian National Army] and fought to liberate the country from the British.
a. Chandra shekar Azad b. Subash Chandra Bose
c. Lala Lajpath Rai d. Bhagat Sing.
31. Who was the leader who declared ‘ swaraj is my birth right’?
a. Subash Chandra Bose b. Lala Lajpath Rai
c. Balagangadhara Thilak d. Dadabhai Navaroji
32. Who is called the iron lady of India?
a. Indira Gandhi b. Sonia Gandhi c. Menaka Gandhi d. Karnam Malleswari
33. India’s largest mosque was built in 1656 by Emperor Shahjahan.Up to 20,000 people can pray together in the courtyard at one time.
a. Juma Masjid b. Makka Masjid c. Madeena Masjid d. Charminar Masjid.
34. The highest minar in India is
a. Charminar b. Qutab minar c. Hawa Mahal d. Fatepur Sikri
35. A person who treats diseases of animals.
a. Veterinarian b. Surgeon c. Dentist d. Physician
36. Some one who reports the news for a news paper, Magazine, radio, or television, programme
a. Reporter b. Journalist c. Writer d. Editor
37. The First Indian leader who spoke in Hindi at the United Nations.
a. Indira Gandhi b. Rajive Gandhi c. Manmhan Singh d. Atal Bihri Vajpayee
38. The present President of Pakistan.
a. Banazir Buto b. Asif Ali Zardari c. Nawaz Sherief d. Yousuf Raza Gilani
39. In Indiamotors built the Nano-the cheapest car ever!
a. Suzuki b. TATA c. Ashok Leyland d. Mahindra.
40. The present Vice President of India.
a. Pratibha Patil b. Manmohan singh c. Mohammed Hamid Ansari
d. APJ Abdul Kalam
41. Mark the appropriate one which completes the series. 1,4,9,16,25, ____
a. 33 b. 36 c. 30 d. 256
42. Complete the series. B Y C X D W E ____
a. F b. Z c. V d. M
43. If book is a flower what will be its pages?
a. sheets of paper b. stem c. petals d. colour
44. Which of the following is not equal to 576?
a. $(5 \times 100) + (6 \times 10) + 6$ b. $(4 \times 100) + (16 \times 10) + 6$
c. $(4 \times 100) + (17 \times 10) + 6$ d. $(5 \times 100) + (7 \times 10) + 6$

45.

$$\triangle + \square = 7$$

$$\square - \triangle = 1$$

If these number sentences are true, which of the following may be correct?

a. $\triangle = 4$ $\square = 3$

b. $\triangle = 3$ $\square = 4$

c. $\triangle = 6$ $\square = 1$

d. $\triangle = 5$ $\square = 2$

46. If '+' means 'x', '-' means '÷', 'x' means '-' and '÷' means '+' then

$$9 + 8 \div 8 - 4 \times 9 = ?$$

a. 26

b. 17

c. 65

d. 11

47. If 5 cats can kill 5 rats in 5 minutes, how long will it take for 100 cats to kill 100 rats?

a. 100 mts

b. 10 mts

c. 5 mts

d. 110 mts

48. If 1394 = ACID, then 4516 = ?

a. DEAD

b. DEAL

c. DEAN

d. DEAF

49. What is the minimum number of scooters that could move in the formation: Two scooters, in front of a scooter, two scooters behind a scooter and a scooter between the two scooters.

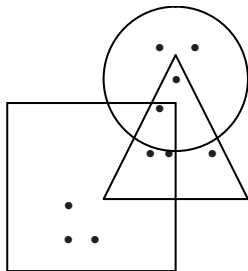
a. 3

b. 4

c. 5

d. 6

50.



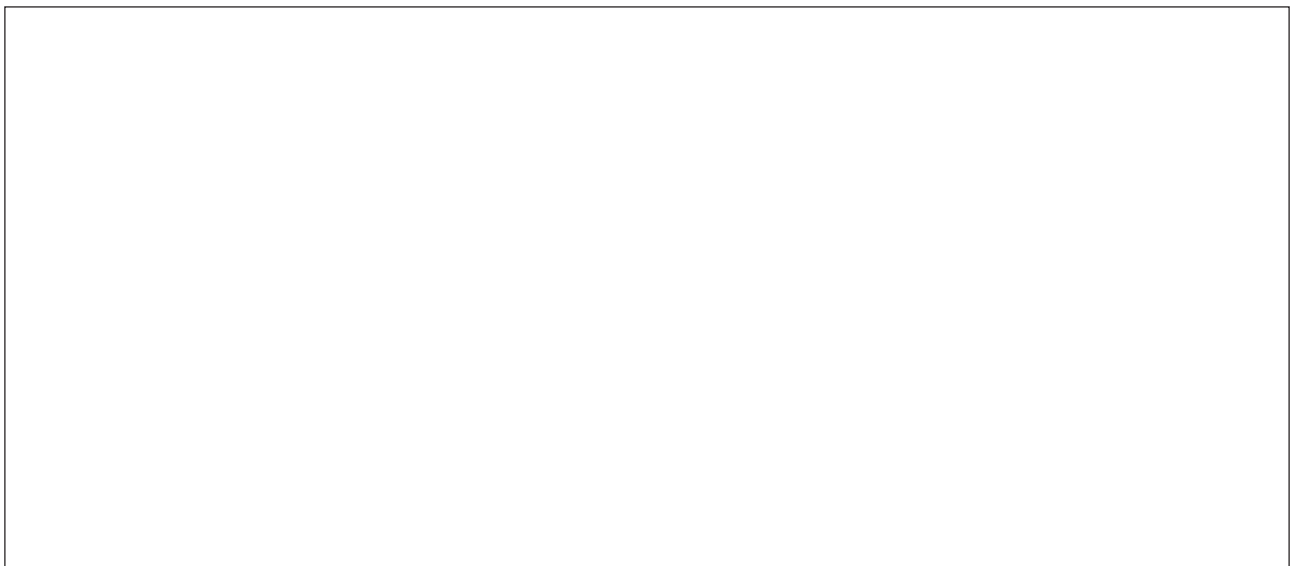
In this figure, how many dots are common in the circle and the triangle but not in the square?

a. 1

b. 2

c. 3

d. 4



MTS EXAMINATION - 2011

Class : V

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Register No.

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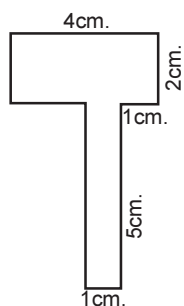
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4. Each Question carries one mark.
5. Use the space provided in the last page for rough work.

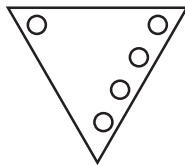
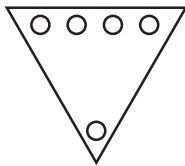
- 1 Which of the following is not a poisonous snake?
a. Cobra b. Krait c. Rat snake d. Viper
- 2is a bird which has eyes in front of its head.
a. Crow b. Owl c. Eagle d. Hen
- 3 The festival celebrated in full moon is
a. Diwali b.Holi c.Guru Nanak Jayanthi
d. Raksha Bandhan
- 4is the biggest desert in India
a. Gobi b. Sahara c. Thar d. Hakama
- 5 Bachendripal reached the peak of Mount Everest in
a. 1984 b. 1986 c. 1948 d. 1987
- 6 The World Environment Day is observed on
a. 5th July b. 15th May c. 15th June d. 5th June
- 7 Eravikulam National Park is indistrict
a. Eranakulam b.Palakkad c. Pathanamthitta d. Idukki
- 8 Golconda Fort is in..... state
a. Anthrapradesh b. Maharashtra c. Goa d. Tamilnadu
- 9 Marine animals such as whales and dolphins sleep withof their brains
a. half b. quarter c. $\frac{3}{4}$ th d. full
- 10 Example for proper food
a. burger b. rice c. milk d. butter
- 11 The sleeping time of Python is
a. 18 hour b. 4 hour c. 2 hour d. 12 hour
- 12 Al-Biruni belongs to which country?
a. Pakistan b. Uzbekistan c.Afghanistan d. Kazakisthan
- 13 Which is the first National Park in India?
a. Kaziranga National Park b. Gir National Park
c. Kanha National Park d. Palamu National Park

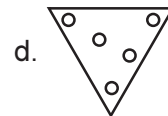
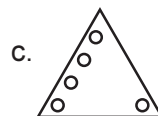
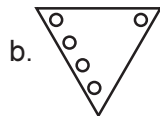
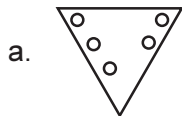
26. The act of killing an important person is
 a. aspiration b. assimilation c. assassination d. annihilation
27. A person who always expects the worst is a/an _____.
 a. undertaker b. pessimist c. investigator d. optimist
28. I saw a _____ of doctors walking towards the operation theatre.
 a. team b. gang c. crew d. staff
29. He had to borrow some money to _____ the required amount.
 a. make over b. make up c. make out d. make off
30. *Please do not beat about the bush.* Here *beat about the bush* means
 a. to present an idea in a round about manner b. to present an idea in a straight forward manner
 c. to go around a thickly forested area d. to beat the undergrowth with a hard object
31. Which among the following idioms mean 'to take a leading part in any difficult job'?
 a. bear off the bell b. bell book and candle c. to sound clear as bell
 d. bell the cat
32. Please submit your demands *in black and white*. The phrase in italics means
 a. in two copies b. in writing c. in black and white papers
 d. in a Xerox paper
33. What is the decimal form of $\frac{2}{5}$?
 a. 0.2 b. 0.4 c. 0.02 d. 0.04
34. Which is the larger fraction: $\frac{8}{24}$ or $\frac{1}{3}$?
 a. $\frac{8}{24}$ b. $\frac{1}{3}$ c. $\frac{1}{4}$ d. both are same
35. Most people sleep about 8 hours a day. Then what part of a day is it?
 a. $\frac{1}{2}$ b. $\frac{1}{3}$ c. $\frac{1}{4}$ d. $\frac{1}{5}$
36. Find the area of the square whose side is 42cm.
 a. 1764 cm² b. 1674cm² c. 168cm² d. 163cm²
37. What happens to the area of a square if its side is halved?
 a. remains the same. b. becomes half c. becomes one fourth d. becomes double.
38. A piece of string is 30cm. long. What will be the length of each side if it is used to form a regular hexagon?
 a. 6cm. b. 5cm. c. 15cm. d. 10cm.
39. What is 4 times of a right angle?
 a. 180° b. 270° c. 360° d. 90°
40. Find the perimeter of the following figure



- a. 22cm b. 24cm
 c. 16cm. d. 12cm

41. Add 7.34 and 9.8
 a. 17.14 b. 7.42 c. 16.42 d. 17.24
42. My mother wants me to buy match boxes for Rs. 7.50. If the cost of 1 match box is Rs. 0.50, how many match boxes can I buy?
 a. 14 b. 13 c. 15 d. 8
43. The value of $30 + (5 \times 6) \div 3$ is
 a. 20 b. 40 c. 15 d. 50
44. A train covers 328km in 4 hours. How many kilometers will it cover in 6 hours?
 a. 518km b. 640 km. c. 492km. d. 590km
45. Which is the smallest number when divided by 6, 7, 8, 9, 12 leaves the remainder 1.
 a. 504 b. 505 c. 500 d. 501
46. 7% of a number is 35. What is the number?
 a. 500 b. 200 c. 250 d. 300
47. Find the next number in the given series.
 1, 2, 5, 10, ____.
 a. 15 b. 16 c. 17 d. 18
48. Complete the pattern.



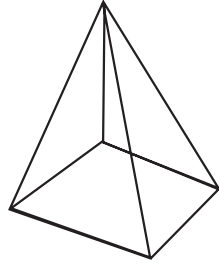


49. Let us find the secret number. It is larger than half of 100, it is more than 6 tens and less than 7 tens. The ones digit is 3 less than the tens digit. Together the digits have a sum of nine.
 a. 69 b. 66 c. 63 d. 60
50. 2.31, 2.43, 2.55, _____
 a. 2.76 b. 2.77 c. 2.66 d. 2.67
51. Theof India is the commander in chief of the Armed forces.
 a. Prime minister b. Chief minister c. Cabinet minister d. President
52. Which desert is spread over Rajasthan and is the biggest of India?
 a. Thar Desert b. Sahara desert c. Rajasthan desert d. None of these.
53. Which sports is played on a table with colored balls and a stick called a cue?
 a. Chess b. Snooker c. Squash d. Golf
54. Which capital city is known as the city of seven hills?
 a. Rome b. Germany c. England d. Nepal

55. Father of internet
 a. Turing b. Joseph Hendry c. Charles Babbage d. Winton Surf.
56. The 16th Asian Games was held at
- a. Delhi b. Guangzhou c. Beijing d. Seoul
57. Shimla is the capital city of
- a. Himachal Pradesh b. Arunachal Pradesh c. Uttar Pradesh d. Madhya Pradesh
58. The Secretary General of United Nations is
- a. Koffi Annan b. Shashi Tarur c. Banki Moon d. Hillary Clinton
59. Mr.Muhammed Ahmadi Najjad is the president of
- a. Iraq b. Egypt c. Iran d. Afghanistan
60. The Capital of Afghanistan is
- a. Kabul b. Kantahar c. Peshawar d. Karachi
61. Qutab Minar is situated at
- a. Delhi b. Agra c. Ourangabad d. Kuldabad
62. Which country became the winner of ICC 20-20 world cup in 2010?
- a. India b. Australia c. England d. Pakistan
63. Which Country invented Paper?
- a. Egypt b. China c. Mesopotamia d. None of these.
64. Which country hosted G-20 meeting held in 2010?
- a. South Korea b. North Korea c. China d. Thailand
65. Which is the largest bird sanctuary in India?
- a. Bharatpur b. Manas c. Silent valley d. Corbett
66. I am an Indian Mathematician, the first to treat " Zero" as a number.
- a. Bhaskaracharya b. Aryabhatta c. Bramagupta d. Sabeer Bhatya
67. It is an instrument used for viewing distant objects such as planets and stars.
- a. Microscope b. Telescope c. Stethoscope d. None of these
68. If you want to become an engineer you should try and get into one of the IITs in India .What does IIT stand for?
- a. Indian Institute of Technology b. Institute of Indian Technology
 c. Indian Industry of Technology d. None of these
69. Who produced and directed Taare Zameen Par, an excellent film that used the promotion line: Every Child is special'?
- a. Salman khan b. Sharuq khan c. Aamir khan d. Amjad Ali khan
70. The Amar Jawan Jyoti(Flame of the Immortal Warrior) is always burning on which monument ?
- a. Red Fort b. Central Secretariat c. India Gate d. None of these

71. The currency of Saudi Arabia is
- a. Dinar b. Dirham c. Riyal d. Dollar
72. The doctor specializing in treating children is called.....
- a. Cardiologist b. Paediatrician c. Children specialist d. Physician
73. Find out what these people have in common. " Priyanka Chopra- Aishawrya Rai – Diana Hyden
- a. Fashion designers b. Film directors c. Miss world title winners d. Quizmasters
74. What is the new name of Bangalore?
- a. Bengaluru b. Bangaluru c. Flower city d. None of these
75. With which of the following is CPU associated?
- a. Video player b. Electric transformer
- c. Computer d. Escalator
76. I am called the Indian Gooseberry. I am the richest sources of Vitamin C
- a. Papaya b. Mango c. Amla d. Apple
77. What is the time difference between Indian Standard Time (IST) and Greenwich mean time (GMT)?
- a. 5½ hours b. 5 hours
- c. 4½ hours d. 4 hours
78. What was the name of the moon vehicle used by India in its moon mission?
- a. Moon mapper b. Chandrayan
- c. Chandra rath d. Agni
79. The scientific study of diseases
- a. Sociology b. Pathology c. Zoology d. Entomology
80. Tipu Sulthan was the son of
- a. Hyder Ali b. Aurangazeb c. Akbar d. Babar
81. Choose the correct alternative.
- Tailor: Needle : : Gardner : ?
- a. Harrow b. sword c. Awl d. Gun
82. BCD : FGH: LMN: ?
- a. WXY b. VWX c. STV d. XWV
83. Arrange the following in meaningful order.
1. Index 2. Contents 3. Title 4. Chapter
5. Introduction
- a. 2,3,4,5,1 b. 3,2,5,4,1 c. 5,1,4,2,3 d. 3,2,5,1,4
84. If $2 \times 3 = 8$, $3 \times 4 = 15$, $4 \times 5 = 24$ then $5 \times 6 =$ _____
- a. 30 b. 35 c. 34 d. 28

85. If three days ago was the day before Sunday, What will be the day after tomorrow?
 a. Tuesday b. Thursday c. Friday d. Sunday
86. Complete the pattern: 133, 119, 105, 91, ____?
 a. 80 b. 77 c. 85 d. 79
87. Choose the one which is different from the rest.
 a. 15 b. 21 c. 24 d. 28
88. How many edges does the following figure have?

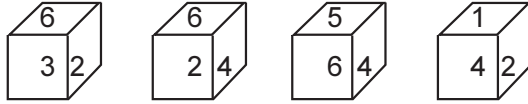


- a. 9 b. 12 c. 8 d. 14
89. Identify the single letter which when removed from the following words form new Words.
 BEAR, MANE, BORNE, HATE
 a. R b. E c. N d. A
90. How many three digit numbers can be formed using 3, 5, 0
 a. 3 b. 4 c. 5 d. 6
91. Difference between the place value of 3 and 7 in 6,340,242 and 5,107,289 is
 a. 29,300 b. 27300 c. 273000 d. 293000
92. Complete the pattern 240, 120, 60, ____, 15
 a. 20 b. 25 c. 30 d. 40
93. 3,5,9,15,23,____, 45
 a. 31 b. 33 c. 35 d. 37
94. Find out the odd one
 a. Animal b. Tiger c. Insect d. Bird
95. I am seventh in the queue from either end. How many people are there in the queue?
 a. 10 b. 11 c. 13 d. 14
96. A clock when seen through a mirror reads a quarter past three, What would be the actual time?
 a. 9:15 b. 8:15 c. 2:45 d. 8:45
97. If 'East' becomes North-West, 'South' becomes North- East and so on. What will 'West' become?
 a. East b. North East c. South East d. None of these

98. A box contains four small boxes. Each of the four boxes contains three small boxes, in each of which there are two boxes. How many boxes are there altogether?

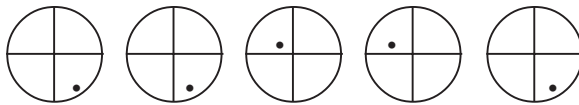
- a. 39 b. 40 c. 41 d. 42

99. Which number is on the face opposite 6?



- a. 1 b. 2 c. 3 d. 4

100. Which shows the next figure in the pattern?



- a.  b.  c.  d. 



14. The process of making yarn from fibres is _____
 a. spinning b. shearing c. ginning d. weaving
15. _____ help in protecting our body against diseases.
 a. proteins b. minerals c. vitamins d. fat
16. Metals _____ on heating.
 a. Contract b. Expand c. Remains same d. None of these
17. Name the female part of the flower
 a. Sepals b. Petals c. Stamens d. Pistil
18. Which part of the plant is known as the "Kitchen of the plant:
 a. Root b. Stem c. Leaf d. Flower
19. Which among the following is reversible?
 a. Buffer to idli b. Wet cloth to dry clothes
 c. Bud to flower d. Milk to paneer
20. 26 meter is _____ cm
 a. 260 cm b. 26000 cm c. 2600 cm d. 26.0 cm
21. What is the process of conversion of water vapour into its liquid form
 a. Condensation b. Filtration c. Sedimentation d. Decantation
22. Image formed by a pin hole camera is
 a. Erect b. Laterally inverted c. Up side down d. Big
23. Motion of a branch of a tree is _____
 a. Rectilinear motion b. Periodic motion c. Circular motion d. Rotatory motion
24. Bones are moved by action of _____
 a. Cartilages b. Muscles c. Fixed joints d. Ribs
25. Butter is taken out from milk by the process of _____
 a. Condensation b. Threshing c. Churning d. Sieving

Read the following passage and choose the correct answers for the questions from 26 to 30.

The joint family system has undergone a drastic change in India. There are a number of factors which are leading to its disintegration. Opportunities for employment outside agriculture and specially in the urban areas are increasing, as a result of which the young men from rural areas have been shifting to those places. Many young persons in the urban areas are also moving out of their parents' places to seek openings in other parts of the country, or even outside India. The property disputes and the sour relations between the mothers-in-law and daughters-in-law have forced many persons to opt for an independent living. As a result of disintegration of joint families, the aged have lost the traditional source of economic and social support which was easily available to them in joint families.

26. Why are the young men from villages shifting to towns?
 a. to seek openings in other parts of the country
 b. to have better life style
 c. to know more about their country
 d. to avoid other family members

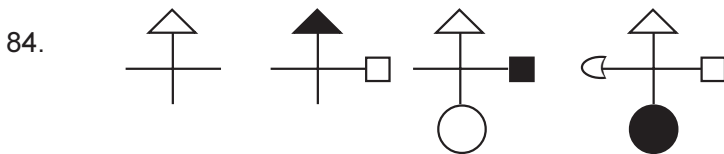
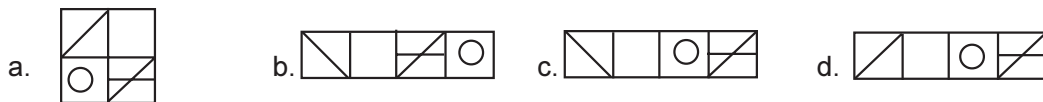
41. A piece of a wire $\frac{7}{8}$ metres long broke into two pieces. One piece was $\frac{1}{4}$ metre long. How long is the other piece?
- a. $\frac{5}{8}$ m b. $\frac{8}{4}$ m c. $\frac{15}{8}$ m d. $\frac{142}{32}$ m
42. A rectangular carpet has area 120sqm and perimeter 46 metres. What is the length of its diagonal?
- a. 15m b. 16m c. 17m d. 20m
43. How many vertices are there in a square pyramid?
- a. 4 b.5 c. 6 d. 7
44. How many lines can pass through one given point?
- a. only one b. countable c. two d. countless
45. What is the smallest 3 digit number which is exactly divisible by 6,8 and 12?
- a. 122 b. 120 c. 125 d. 121
46. What is the Roman numeral of 1509?
- a. DMXI b. MDIX c. DMIX d. MDXI
47. 43200 seconds = _____ hours?
- a. 8 b. 6 c. 12 d. 24
48. Find the sum of $729+(-715) + (-185)$
- a. +171 b. 117 c. -171 d. -117
49. What is the ratio of 30 days to 36 hours?
- a. 1:20 b. 5:6 c. 20:1 d. 6:5
50. Which property is used in $4x(5+8) = 20+32$?
- a. Associative b. Distributive c. Commutative property of addition
d. communitative property of multiplication.
51. Which creature can eat more than 100 times its weight in a day?
- a. Parrot b. Crow c. Caterpillar d. Hen
52. The biggest flower in the world is
- a. Sunflower b. Spruce c. Rafflesia d. Lotus
53. Who said "Earth has enough for everyone's need but not enough for everyone's greed?"
- a. Nelson Mandela b. Mahatma Gandhi
c. Sundarlal Bahuguna d. KR.Narayanan
54. Where in India is Silent Valley located?
- a. Karnataka b. Kerala c. Tamilnadu d. Delhi
55. The smallest bone in the human body is found in the
- a. Leg b. Arm c. Ear d. Nose
56. Where does a computer add and store data?
- a. Hard disk b. Floppy disk c. CPU chip d. None of these.
57. The first Indian president of the Indian National Congress was
- a. Jawaharlal Nehru b. W.C.Banerjee c. Sarojini Naidu d. K.Karunakaran

58. Aizwal is the capital of
 a. Manipur b. Meghalaya c. Mizoram d. Tripura
59. Where will the 2012 Olympic Games be held?
 a. London b. Barcelona c. Athens d. New York
60. Who is known as 'Master Blaster'?
 a. Sachin Tendulkar b. Brian Lara c. Sunil Gavasker d. Mahendhra Singh Dhoni
61. How many rings are there in the Olympic flag?
 a. 5 b. 3 c. 6 d. 2
62. How many lions are there in our National emblem?
 a. Two b. Three c. Four d. Five
63. In which city is Victoria Memorial- a magnificent building situated in which city?
 a. Kolkatta b. Delhi c. Chennai d. Bangalore
64. This is a famous Prize. It is given annually in the USA for outstanding works in journalism, literature, and music. It is the US journalism's highest award.
 a. Booker Prize b. Nobel Prize c. Pulitzer Prize d. None of these.
65. What age should an Indian citizen acquire for the right to vote?
 a. 18 years b. 15 years c. 20 years d. None of these
66. The sea route to India was discovered in the year 1498 by
 a. Vasco-da-Gama b. Columbus c. Ibn Bathutah. d. None of these
67. Every Traditional Indian house has this plant. Its leaves are remedy for cold and cough.
 a. Turmeric b. Tulsi c. Henna d. Neem
68. Viswanathan Anand is related to
- a. Tennis b. Cricket c. Football d. Chess
69. Who is the President of Iran?
 a. Hamid Karzai b. Ahmadi Najad c. Asif Ansar d. Ahammed Gilani
70. Who wrote the famous poem " Daffodils" ?
 a. Geoffrey Chaucer b. William Words worth
 c. William Shakespeare d. Mario Puzo
71. Name of the oldest existing news paper published in India?
 a. Bengal Gazette b. Malayala Manorama
 c. Indian Express d. The Hindu
72. Which country topped the final medals tally in the common wealth games 2010?
 a. India b. Australia c. England d. Canada
73.is the inventor of bicycle.
 a. Michael Faraday b. Joseph Chad wick
 c. Kirkpatrick Macmillan d. John Dalton.
74. The first Governor of Kerala.
 a. Dr.B. Rama Krishna Rao b. KR Gouri
 c. R. Shankaranarayanan d. EMS.Namboodiripad.

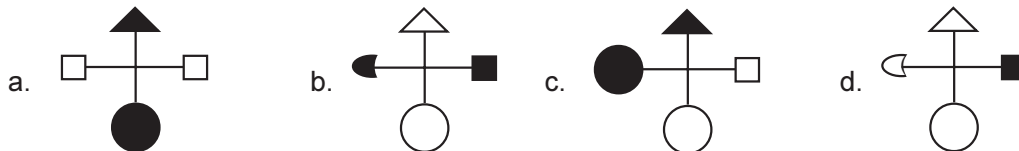
75. The first women Judge of Supreme Court.
 a. Sucheta kripalini b. Fathima Beevi c. Sarojini Naidu d. Anna Cahndy
76. East India Company was established in India in
 a. 1600 b. 1500 c. 1605 d. 1510
77. Tokyo is the capital of
 a. Japan b. Italy c. China d. South Korea.
78. The Eiffel Tower is located in
 a. Italy b. New York c. Paris d. Pisa
79. The full form of NDA is
 a. National Defence Academy b. National Development Academy
 c. Nuclear Development Association d. National Defence Agency.
80. ISRO stands for
 a. International scientific organisation b. Indian slat research organisation
 c. Indian space research organisation d. Indian students research organisation
81. Tunnel: Mountain: : River: _____
 a. Ferry b. Railway Track c. Swimming d. Bridge
82. Save : Rescue : : Seldom : _____
 a. Certain b. Rarely c. Usual d. Often



Which of the following continues the above sequence?

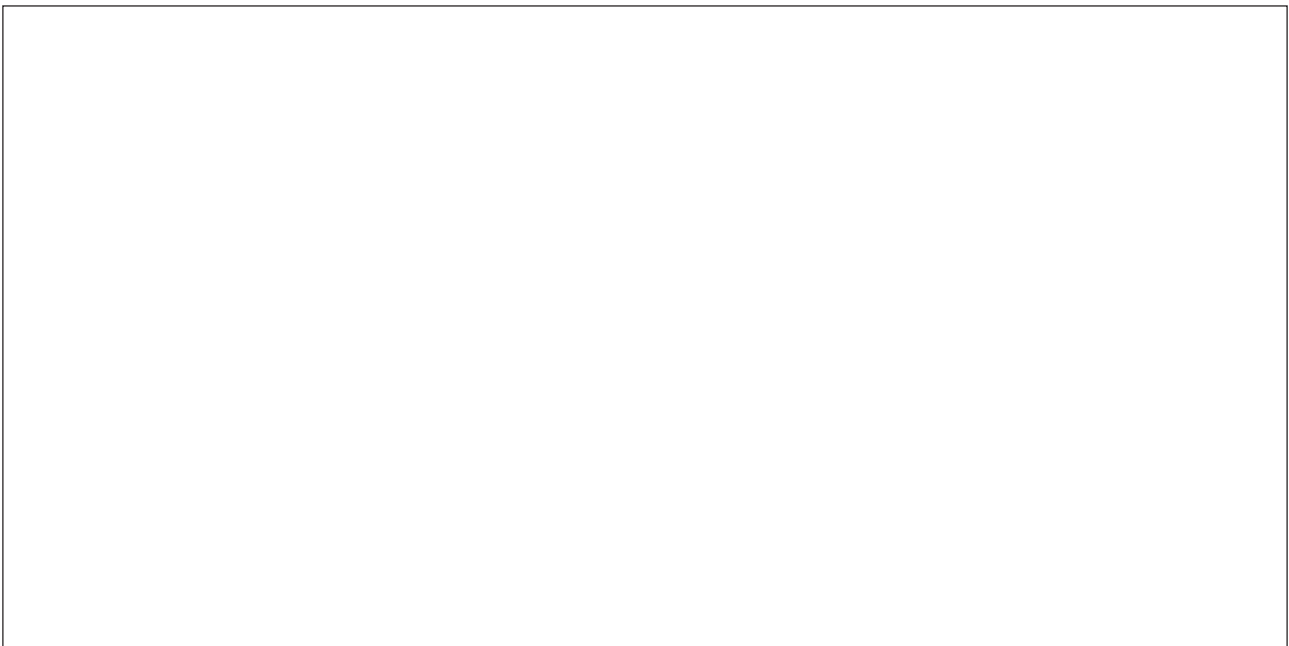


Continue the sequence.



85. Find the missing number in the series 20,19,17,__,10,5
 a. 12 b. 14 c. 13 d. 15
86. Find the wrong answer in the given series
 5, 10, 40, 80, 320, 550, 2560
 a. 80 b. 320 c. 550 d. 2560

95. Study the following information to answer the given question
- six friends A, B, C, D, E and F are seated in a circle facing each other.
 - F is the Immediate left of C
 - E is the third to the left of F
 - B is between A and E
- Who are the neighbours of D?
- C and F
 - E and B
 - E and C
 - None of these
96.
 - Raju is the father of Babu
 - Babu is the son of Ramu
 - Beena is the daughter of Babu
 - Kannan is the son of RamuThen what is the relation between Kannan and Babu?
- Brother
 - Uncle
 - Son
 - Grand father
97. How many numbers are there between 11 and 50 which are divisible by 6 but not divisible by 4?
- 2
 - 3
 - 4
 - 1
98. Pointing to a lady, a man said, "The son of her only brother is the brother of my wife" how is the lady related to the man?
- Mother's sister
 - Grand mother
 - Mother-in-law
 - Sister of father-in-law
- Find the correct conclusion of the given statements
99. Statement : All sparrows are koels. No koel is parrot.
Conclusions :
- No sparrow is parrot
 - Some sparrows are parrots
 - All koels are sparrows
 - Some parrots are sparrows
100. Statement : Some men are goats. All goats are jackals.
Conclusions :
- Some men are jackals
 - Some jackals are men
 - All jackals are goats
 - some goats are men

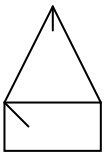


the snake crawls along the ground at no more than the speed of a man's walk. It may, however, have an advantage inside a jungle, where the progress of a man is obstructed by thorny bushes. But in such places, the footsteps of a man are usually more than enough to warn snakes to keep away. Although they have no ears of the usual kind, they can feel slight vibrations of the ground through their bodies, and thus get an early warning of danger.

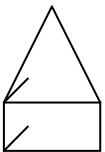
26. What is deceptive about the snake is its
 a. speed b. crawling c. sense of direction d. movement
27. The snake has an advantage over men inside a jungle, because there
 a. it can crawl faster b. man's movement is obstructed
 c. it is dark d. it gets advance warning
28. What helps the snakes to receive advance warning is their sensitivity to
 a. light b. smell c. sound d. movements
29. The speed at which a snake normally moves is
 a. less than that of a man b. greater than that of a man
 c. as fast as that of a man d. as deceptive as that of a man
30. Which word among the following does not mean the same as 'obstacle'?
 a. blockage b. hindrance c. remnant d. barrier
31. Choose the correct sentence.
 a. When I reached home last night my mother went to bed.
 b. When I reached home last night my mother has gone to bed.
 c. When I reach home last night my mother had gone to bed.
 d. When I reached home last night my mother had already gone to bed.
32. The book is too long. I _____ complete it today.
 a. will be able to b. will not be able to c. was able to d. were able to
33. My pen _____ stolen.
 a. has b. have been c. has been d. have
34. These are the boys _____ performance is praiseworthy.
 a. who b. whose c. whom d. that
35. Identify the correct spelling of the word which means *a bunch of flowers*.
 a. bouqay b. bockey c. boquet d. bouquet
36. Give one word for the underlined phrase.
 Scientists claim to have made an important development in cancer research.
 a. outbreak b. break up c. break through d. draw back
37. Give one word for the underlined phrase.
 We talked over the matter for an hour.
 a. discussed b. dealt c. argued d. examine
38. Which of the following pair of integers makes, the sum to be -13
 a. $-10, 3$ b. $-3, 10$ c. $-10, -3$ d. $10, 3$

39. Raju's father's age is 5 years more than 3 times Raju's age. What is Raju's age, if his father is 44 years old?
 a. 13 b. 12 c. 26 d. 24
40. I am a number. Take me seven times over and add a fifty to reach a triple century, you still need forty. Find me.
 a. 40 b. 30 c. 300 d. 110
41. A car can go 150km with 25 ltr. of petrol. How far can it go with 30ltr. of petrol?
 a. 200 b. 150 c. 180 d. 160
42. The value of $\frac{7}{10} + \frac{2}{5} + \frac{3}{2} =$
 a. $\frac{12}{17}$ b. $\frac{19}{10}$ c. $\frac{26}{10}$ d. $\frac{26}{17}$
43. What is $\frac{1}{4}$ of $5\frac{1}{3}$?
 a. $\frac{1}{3}$ b. $\frac{2}{3}$ c. $\frac{4}{3}$ d. None of these
44. Find $\frac{54.6}{0.02}$
 a. 27.30 b. 273 c. 2.730 d. 2730
45. If the vertex angle of an Isosceles triangle is 40° , What are the base angles of the triangle?
 a. 60° b. 70° c. 110° d. 40°
46. The number of times a wheel of radius 28cm should rotate to cover a distance of 352 m is _____
 a. 200 b. 100 c. 50 d. 150
47. The probability of a day chosen from a week to be Sunday is _____
 a. $\frac{2}{7}$ b. $\frac{1}{7}$ c. $\frac{7}{7}$ d. $\frac{3}{7}$
48. The number of times a particular entry occurs in a data is called its _____
 a. mode b. class interval c. median d. frequency
49. Which is the number, one-third of which subtracted from 27 gives 9.
 a. 39 b. 26 c. 54 d. 48
50. A rectangular sheet of paper is $12\frac{1}{2}$ cm long and $10\frac{2}{3}$ cm wide. What is its perimeter?
 a. $\frac{136}{3}$ cm b. $46\frac{3}{1}$ cm c. $46\frac{1}{3}$ cm d. $\frac{133}{6}$ cm
51. When is the population day celebrated?
 a. April 22 b. April 27 c. May 31 d. July 11
52. "Kuttisrank" was directed by
 a. Adoor Gopalakrishnan b. Hariharan
 c. Shaji N Karun d. Aravindhhan
53. Car "Micra" is produced by
 a. Hyundai b. Tata c. Nissan d. Mahindra

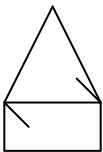
54. Khagendra Thapa Magar is the shortest man in the world. He belongs to
a. Bhutan b. Nepal c. India d. China
55. Recently finance Minister Pranab Mukherjee declared that India is not contemplating any restriction on FDI. What is the full form of FDI?
a. Food development in India b. Foreign Direct investment
c. Food department of India d. None of these.
56. Who carried the National Flag during the athlete's March parade at the closing ceremony of Common Wealth Games 2010 at Jawaharlal Nehru Stadium in New Delhi?
a. Saina Nehwal b. Gagan Narang c. Rajwardhan singh Rathode
d. Abinave Bindhra
57. India has land border withcountries
a. 7 b. 6 c. 8 d. 5
58. The rarest blood group is
a. O negative b. O positive c. AB negative d. B positive
59. The head quarters of Reserve Bank is at
a. Mumbai b. Delhi c. Chennai d. Lucknow
60. Which river was known as Kalindi?
a. Yamuna b. Ganga c. Godavari d. Kaveri
61. Jack fruit is the national fruit of
a. Nepal b. Pakistan c. Bangladesh d. Sri Lanka
62. Dahlia is the national flower of
a. Canada b. Spain c. Mexico d. Brazil
63. The only woman ruler of the Delhi sultanate was
a. Jansy Rani b. Raziya Sultana c. Mumthas Beegum d. None of these
64. The youngest Dravidian Language is.....
a. Tamil b. Kannada c. Telungu d. Malayalam
65. Which ruler of Kochi started Trissur Pooram?
a. Rani Gangadhara Lakshmi b. Shaktan Thampuran
c. Raja Kesava Das d. None of these.
66. The period of the First World War was
a. 1914-18 b. 1939-45 c. 1915-19 d. 1940-45
67. The largest dam in kerala is
a. Peechi Dam b. Mullaperiyar Dam c. Malampuzha dam d. Neyyar Dam
68. What does MRP stand for?
a. Minimum Regional Profits b. Minimum Retail Price
c. Maximum Retail Price. d. None of these.

83. Find the odd man out.
 a. 52 b. 102 c. 84 d. 67
84. Charlie Chaplin was a.
 a. Great British comedian b. Film actor c. British director
 d. All are correct.
85. Complete the series
 10, 15, 30, 45.....
 a. 180 b. 90 c. 120 d. 140
86. How many prime numbers are less than 50?
 a. 16 b. 15 c. 14 d. 18
87. In a certain language 'MOBILITY' is coded as 46293927, how is 'EXAMINATION' coded in that language?
 a. 67250623076 b. 56149512965 c. 4503801854 d. 57159913955
88. $0.00117 \times 0.585 = ?$
 a. 0.02 b. 0.03 c. 0.002 d. 0.003
89. Find the missing letters.
 1 – n – mllm – n – 1
 a. mnmn b. mnnm c. mnmm d. nmmn
90. Find the missing number.
- | | | |
|----|----|----|
| 8 | 10 | 17 |
| 11 | ? | 10 |
| 16 | 11 | 8 |
- a. 12 b. 13 c. 14 d. 15
91. If Drowsy is written as 'HVSABC', 'BEAUTY' will be written as;
 a. FIEYXC b. EHDXWC c. GJFZYD d. KFBVUC
92. Curd : Milk :: Oil : ?
 a. Paper b. Coconut c. Flame d. Lamp
93. Of the four mediums given below, identify the one through which sound travels fastest
 a. Wood b. Brick c. Water d. Air
94. Of the four figures given below, identify the one which is different from the three
- 

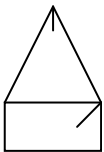
a.



b.

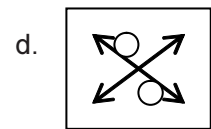
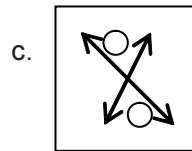
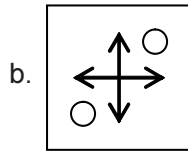
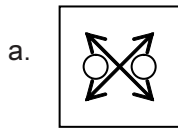


c.



d.
95. Complete the following series.
 2, A, 9, B, 6, C, 13, D,
 a. 12 b. 19 c. 10 d. 9

96. Biju is taller than Mohan but not as tall as Rajesh. Sheru is shorter than Biju but taller than Somu. Who among them is the shortest?
 a. Biju b. Mohan c. Somu d. Cannot be determined.
97. How many 'A' s are there in the following series which are immediately followed by 'B' as well as immediately preceded by 'Z'?
 AMBZANAABZABAPZABAZAB
 a. Three b. Nil c. One d. Two
98. 'Horse' is related to 'Hoof' in the same way 'Eagle' is related to.
 a. Clutch b. Foot c. Claw d. Wing.
99. You are given alphabets from A to Z, which letter is exactly midway between 'G' and 'U'?
 a. N b. L c. M d. O
100. Choose the odd figure out.



MTS EXAMINATION - 2011

Class : VIII

8

Register No.

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Marks: 100
Time : 2 Hrs.

General Instructions:

1. Candidates will be supplied with separate Question Paper and Answer Sheet.
2. Answer the questions in the OMR Sheet by shading the appropriate bubble.
3. Shade the bubbles with black ball pen.
4. Each Question carries one mark.
5. Use the space provided in the last page for rough work.

1. The Governor General who introduced the 'Doctrine of Lapse'
a. William Bentic b. Lord Delhousie c. Lord Wellesley d. Warren Hastings
2. PIL is the short form for
a. Public Investigation Label b. Public Interest Litigation
c. Public Interest loan d. Public Intended Legislation
3. Which battle laid the foundation of British rule in India?
a. Battle of Wandiwash b. Battle of Buxar
c. Battle of Panipat d. Battle of Plassey
4. The city, New Delhi was designed by
a. Lord Hardinge b. Ustad Isa c. King George V
d. Edward Lutyens & Herbert Baker
5. Delhi became the capital of British India in the year
a. 1890 b. 1911 c. 1947 d. 1905
6. The structure of courts from the top to bottom level in India is
a. square b. vertical line c. pyramid d. rectangular
7. The chairman of Planning Commission in India
a. Mrs. Prathiba Patil b. Dr Manmohan Singh
c. Mrs Sonia Gandhi d. Justice K G Balakrishnan
8. Non ferrous minerals contain
a. Gold b. Iron ore c. Manganese d. Chromites
9. Golden fibre refers to
a. cotton b. jute c. silk d. nylon
10. Bakra Nangal project is across the river
a. Beas b. Ganga c. Sutlej d. Chenab
11. Article 17 of the Indian Constitution abolish
a. child labour b. exploitation c. untouchability d. human trafficking
12. The source of energy that you will suggest for rural areas
a. biogas b. tidal energy c. wind energy d. solar energy

13. Rohit put his ear on the railway tracks and could hear the sound of an approaching train due to
 a. Vibration of air
 b. Vibration of railway track
 c. More speed of sound in solid medium
 d. Hearing ability of Rohit
14. Voice of which of the following has minimum frequency?
 a. A baby boy
 b. A baby girl
 c. A man
 d. A woman
15. A cat can hear and produce upto frequencies
 a. 40,000Hz
 b. 70,000Hz
 c. 80,000Hz
 d. 20,000Hz
16. When two bodies are rubbed against each other acquires
 a. Equal and like charges
 b. Equal and unlike charges
 c. Unequal and like charges
 d. Unequal and unlike charges
17. Which among the following will exert maximum pressure when pushed with the same amount of force
 a. An eraser of area 2cm^2
 b. A sharpened pencil tip
 c. The blunt end of a pencil
 d. The rear portion of a closed safety pin
18. The microbe which causes malaria comes under the group
 a. virus
 b. fungus
 c. protozoa
 d. bacteria
19. The species of plants and animals which are found exclusively in a particular area is called
 a. endemic species
 b. endangered species
 c. extinct
 d. none of the above
20. A cultivator is used for
 a. ploughing
 b. sowing
 c. weeding
 d. harvesting
21. Which of the given practices damage soil fertility?
 a. crop rotation
 b. inter cropping
 c. mono cropping
 d. field fallow
22. Which gas was responsible for the Bhopal gas tragedy?
 a. Methane
 b. MIC
 c. Sulphur di oxide
 d. Nitros oxide
23. Which of the following is a supporter of combustion?
 a. Cooking gas
 b. Nitrogen gas
 c. Oxygen gas
 d. Producer gas
24. _____ gas is responsible for global warming
 a. CO_2
 b. CO
 c. SO_2
 d. CS_2
25. The metal stored under water is
 a. Phosphorous
 b. Sulphur
 c. Sodium
 d. Potassium

Read the following passage and choose the correct answers for the questions from 26 to 30.

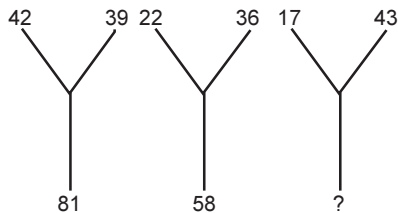
Here we go again with alarmists riding their favourite bandwagon of fear. They are now trying to push consumers away from foods important for a healthy diet in developing country. Forget maximum residue limits. If environmentalists had their way, they would probably want more for the abolition of tractors, saying that their diesel emissions caused pollution. Elsewhere in the world too, these same type of environmentalists have in the past launched campaigns against even the limited use of pesticides, inorganic fertilizers and other farming technology in places that needed them

36. Choose the best order from among the options which produce the correct sentence.
A. now B. repaint C. the D. please E) picture
a. DBAEC b. BDCEA c. DBCEA d. DACEB
37. Which one among the following is not a synonym of 'accumulate'?
a. aggregate b. gather c. scatter d. assemble
38. _____ helps to show two sets of data simultaneously for the comparison of the data
a. Histogram b. pie chart c. double bar graph d. frequency table
39. Arjun is twice as old as Sreya. Five years ago his age was three times Sreya's age. Find Arjun's present age
a. 10 b. 20 c. 25 d. 15
40. When a dice is thrown find the probability of getting a prime number
a. $\frac{1}{6}$ b. $\frac{1}{2}$ c. $\frac{3}{5}$ d. $\frac{4}{6}$
41. The value of x in the equation $\frac{2X + 1}{3x - 2} = \frac{9}{10}$
a. 2 b. 4 c. 6 d. 8
42. Which of the following is the reciprocal of 0.04
a. $\frac{1}{25}$ b. $\frac{2}{5}$ c. 25 d. 2.5
43. 76% of Students in a school are boys. If the number of girls is 204. then the number of boys is _____
a. 466 b. 664 c. 746 d. 646
44. In a parallelogram ABCD, $\angle A = 80^\circ$ $\angle B$ is _____
a. 100° b. 80° c. 60° d. 10°
45. Find the sum of odd numbers between 10 and 20
a. 105 b. 75 c. 73 d. 95
46. What is the minimum interior angle possible for a regular polygon?
a. 70 b. 180 c. 60 d. 90
47. An item marked at Rs. 840 is sold for Rs. 714. What will be the discount percentage?
a. 25% b. 10% c. 15% d. 20%
48. If you subtract $\frac{1}{2}$ from a number and multiply the result by $\frac{1}{2}$ you get $\frac{1}{8}$. What is the number?
a. $\frac{1}{2}$ b. $\frac{3}{8}$ c. $\frac{1}{4}$ d. $\frac{3}{4}$
49. Find the height of a cuboid whose base area is 180 cm^2 and volume is 900 cm^3
a. 5cm b. 10cm c. 2cm d. 4cm
50. Which of the following is a perfect cube?
a. 216 b. 283 c. 243 d. 290
51. The country which recently joined the UNO is
a. Naura b. Tonga c. Kiribati d. Yugoslavia

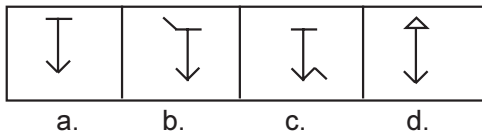
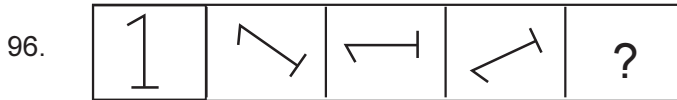
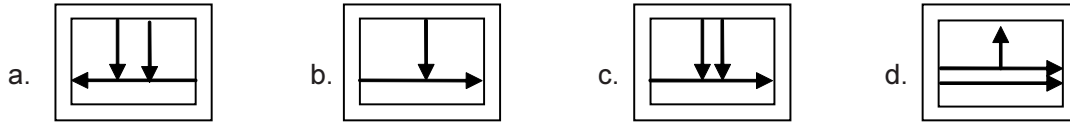
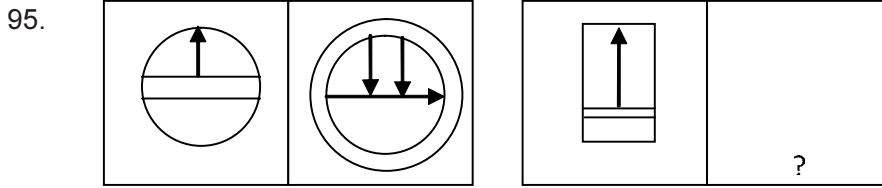
52. The present Chief Election Commissioner of India
 a. Naveen Chowla b. Shahabuddin Yaqoob Quraishi
 c. V S Sampath d. Gopalaswami
53. The maximum strength of Loksabha
 a. 545 b. 540 c. 555 d. 550
54. Name the border line which separates India and china
 a. Mc Mohan Line b. Durant line c. Rdcliff line d. Kaning line
55. The expansion of WHO is
 a. World Human Organization b. World Health Organization
 c. Wild Health Organization d. Wealth and Health Organization
56. RAW stands for
 a. Research and Analysis Wing b. Research and Atomic Wing
 c. Research and Astronomical Wing d. Read And Write
57. How many articles and Schedules does Indian constitution contain?
 a. 395 articles and 12 Schedules b. 398 articles and 8 Schedules
 c. 399 articles and 12 Schedules d. 420 articles and 8 Schedules
58. The first Minister for law of Free India
 a. Dr. Rajendraprasad b. V.V.Giri c. Dr. B.R .Ambedkar. d. Dr. Zakir Hussain
59. The first woman Prime Minister in the world
 a. Sirimavo Bandaranaike b. Benasir Bhuto
 c. Indira Gandhi d. Khalida Ziya
60. The current Indian foreign secretary
 a. Leela k Ponnappa b. Chokila Iyer c. Nirupama Rao d. KPS Menon
61. Gandhiji begins Civil disobedience movement in the year _____
 a. 1930 b. 1931 c. 1929 d. 1932
62. The freedom fighter who is known as “Deshabandhu”
 a. C R Das b. Gandhiji c. Nehru d. Rajaji
63. The Capital city of South Africa is
 a. Putrajaya b. Pretoria c. Quito d. Port Vila
64. The famous Sun Temple at Konark is built by
 a. King Narasimhadev b. King Krishnavarior
 c. King Vikramadithyan d. King Deva rao
65. Taj Mahal is built by the King Shajahan in memory of his wife
 a. Benazir b. Mumthaz c. Nurjahan d. Rasiya Begum
66. The first Indian pair to win Australian open mixed doubles
 a. Liander Paes-Sania Mirza b. Mahesh Bhupathy -Sania Mirza
 c. Liander Paes-Saina Nehwal d. Mahesh Bhupathy- Saina Nehwal
67. The winner of world cup Hockey 2010
 a. India b. Australia c. Pakistan d. England

68. Who invented the Postage Stamp?
 a. Simon Binet b. Sir Roland Hill c. Sir Nickola Tesla d. Vinton Surf
69. The first person to swim across English channel
 a. James Cook b. William P Benedict c. Mathew Webb d. Charls Lint Bergh
70. The first Woman Loksabha Speaker is
 a. Vijayalakshmi Pandit b. Sarojini Naidu
 c. Meira kumar d. Ambika Sony
71. The expansion of ISO is
 a. International Organization for Stability
 b. International Organization for Standardization
 c. Indian Organization for Stability
 d. Indian Organization for Standardization
72. The full form of NATO is
 a. North Atlantic Treaty Organization b. North Asian Treaty Organization
 c. North Atlantic Trade Organization d. North Asian Trade Organization
73. Which is the largest mammal in the world?
 a. Blue whale b. African Elephant c. Giraffe d. Ostrich
74. Which is the deepest lake in the world?
 a. Red lagoon b. Boiling lake c. Baikal d. Titicaca
75. ____ is known as "The Bird man of India"
 a. Sakir Ali b. Salim Ali c. Mohammad Ali d. Asif Ali
76. The first Indian Woman in space
 a. Kalpana Chowla b. Manekshaw c. Anousheh Ansari d. Derba Banergee
77. Which is the Pink City?
 a. Jaipur b. Mumbai c. Calcutta d. Pune
78. Who is known as "Qaid-e-Azam"?
 a. Ibrahim Sulaiman Sait b. Prof. K.A.Sidheeque Hasan
 c. Muhammad Ali Jinnah d. Banath Wala
79. Who is the author of famous Novel "Mother"?
 a. T.S.Eliot b. Maxim Gorky c. Shakespeare d. R K Narayanan
80. Choose the one which is not a work of Vaikom Muhammad Basheer
 a. Bhoomiyude Avakashikal b. Jeevitha NizhalPadukal
 c. Premalekhanam d. Balyakala Smaranakal
81. Rough: Smooth: : Systematic: ?
 a. Sloppy b. Carefree c. Meticulous d. Cautious
82. Adult: Baby :: flower: ?
 a. Seed b. Bud c. Fruit d. Stem
83. Medicine is related to patient in the same way as 'Education' is related to
 a. Teacher b. School c. Student d. Tuition

84. Which of the following will come in the place of the question mark in the following sequence
 GENEROUSITY, NEROUISITY, NEROUISI, ?
 a. ROUSI b. EROUSI c. EROUS d. ROUS
85. 22, 28, 25, 31, 28, ?
 a. 25 b. 34 c. 36 d. 39
86. In the following number series only one number is wrong. Find out that number,
 3, 4, 10, 33, 135, 135, 685, 116
 a. 4 b. 33 c. 10 d. 135
87. Haseeb started walking towards east and walked 30 metres. He then turned towards right and walked 50 metres. He then turned towards left and walked 40 metres and again turned towards left and walked 50 metres. How far is he from the starting point
 a. 170 m b. 70 m c. 120 m d. 110m
88. A walks 3 kms north ward and then he turns left and goes 2 km. He again turns left and goes 3 km. He again turns left and goes 3 km. He turns right and walks straight. In which direction is he walking now?
 a. North b. South c. West d. East
89. Sonu is taller than Kabeer. Amit is taller than sonu. Subash is taller than Amit. Tinto is the tallest of all. If they stand according to their height who will be exactly in the middle.
 a. Tinto b. Kabeer c. Amit d. Sonu
90. Select the missing number from the given responses



- a. 26 b. 60 c. 52 d. 80
91. A is B's brother, C is A's mother, D is C's father, F is A's son. How is B related to F's child?
 a. Aunt b. Cousin c. Nephew d. Grand father
92. If + means \times , \times means \div , \div means +, \div means \times . Find the value of $15 \times 3 \div 4 - 6 + 7$.
 a. 22 b. 25 c. 9 d. $175/3$
93. Pointing to a man in the photograph a woman said, "His brother's father is the only son of my grandfather" How is the woman related to the man in the photograph?
 a. mother b. aunt c. sister d. daughter
94. In a certain code, substitution is written as ITSBUS NO I TUT. How is Distribution written in that code?
 a. IRTSIDNOITUB b. IRTSIDNOIBUT
 c. IRTDISNOITUB d. IRTDISNOIVTB



97. In a certain code, 24685 is written as 33776 . How is 35791 written in that code?
 a. 44882 b. 44880 c. 46682 d. 44682

98. A group of cattle had as many cows as it had buffaloes. One half of the cattle were old. Three-fourths of the cattle were female. Which of the following statement is true beyond a reasonable doubt?
 a. All buffaloes were old b. At least one half of the cows were female
 c. None of the statements given above is true beyond a reasonable doubt.
 d. All the statements given above are true beyond a reasonable doubt.

99. A father is now three times as old as his son. Five years back, he was four times as old as his son. The age of the son is
 a. 12 b. 15 c. 18 d. 20

100. In the given four words, three are alike in a certain way, while one is different. Select the different one.
 a. Desk b. Pen c. Table d. chair

MTS EXAMINATION - 2011

Class : IX

9

Register No.

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Marks: 100
Time : 2 Hrs.

General Instructions:

1. Candidates will be supplied with separate Question Paper and Answer Sheet.
2. Answer the questions in the OMR Sheet by shading the appropriate bubble.
3. Shade the bubbles with black ball pen.
4. Each Question carries one mark.
5. Use the space provided in the last page for rough work.

- 1 Name the country which has the biggest written constitution
a. India b. England c. China d. USA
- 2 "Mein Kampf" is the autobiography of
a. Lenin b. Gandhiji c. Hitler d. Rousseau
- 3 The battle of Waterloo occurred in the year.....
a. 1905 b. 1805 c. 1815 d. 1857
- 4 What is the accepted average calorie requirement in India?
a. 2000 b. 2100 c. 2400 d. 1800
- 5 The wind blowing in the northern plains in summer
a. Trade wind b. Kal Baisakhi c. Loo d. none of these
- 6 Which of the following act assured 100 days of employment every year in rural area
a. REGP 1995 b. PMRY 1993 c. NREGA 2005 d. NFWP 2004
- 7 Aung San Suuki won Nobel prize in.....
a. Peace b. Literature c. Physics d. Economics
- 8 The novel by Charles Dickens with French Revolution as the theme.
a. Treasure Island b. Hard Times c. Tale of two cities d. French Revolution
- 9 The largest inhabited island in the world
a. Andaman & Nicobar b. Majuli c. England d. Australia
- 10 Older alluvium is called.....
a. Bhabar b. Bangar c. Terai d. Khader
- 11 Author of 'Social Contract'
a. Montesque b. Voltaire c. Rousseau d. John Lock
- 12 The largest salt water lake in India
a. Woolar b. Sambar c. Chilka d. Kolleru
13. When ice is heated continuously its temperature does not rise because
a. Heat is converted into latent heat b. Heat is not used at all
c. Heat escapes from the system d. None of these

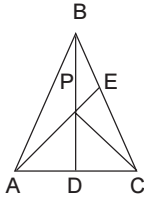
14. _____ gas is responsible for the smell of drainage.
 a. Carbon di sulphide b. Hydrogen sulphide c. Hydrogen chloride d. Carbon tetrachloride
15. 12 g of oxygen contains _____ mole
 a. 0.374 mole b. 0.347 mole c. 0.734 mole d. 0.375 mole
16. During summer the water kept in an earthen pot becomes cool because of the phenomenon of
 a. Diffusion b. Transpiration c. Osmosis d. Evaporation
17. Binomial nomenclature was proposed by
 a. E.H.Karckel b. Robert Whittaker c. Darwin d. Carolus Linnaeus
18. Red rot is a disease of
 a. Sugarcane b. Wheat c. Rice d. Chick pea
19. Energy currency of the cell is
 a. ADP b. NADH c. ATP d. FAD
20. The locomotary organ of echinodermata
 a. Tube feet b. Muscular feet c. Joint legs d. Parapodiya
21. When a body falls freely towards the earth, then its total energy
 a. Increases b. Decreases c. Remains constant
 d. First increases then decreases
22. The upward motion of a rocket is an example of
 a. Newton's first law of motion b. Newton's second law of motion
 c. Newton's third law of motion d. Newton's law of Gravitation
23. The value of acceleration due to gravity at the centre of earth is
 a. Zero b. 9.8m/s c. 9.8m/s² d. 9 m/s²
24. A person standing in a moving bus falls forward when the bus comes to a sudden stop because of
 a. mass b. acceleration c. Inertia d. momentum
25. A mass M breaks into two pieces in the ratio 1:3 while rest. If the heavier has a speed of V, the speed of the lighter is
 a. V b. 3V c. 2V d. 4 V

Read the following passage and choose the correct answers for the questions from 26 to 30.

The editorial policy of a popular daily is controlled by two chief factors. The first is the interest of the advertisers from whom it gets money which enables it to keep up its large circulation. No widely circulated newspaper dare support a public policy however much in the national interest that might be fearing it might conflict with the vested interests of its advertisers. On the other hand, any product that refuses to pay the advertising rates of a powerful national organ will be denounced, smashed and driven off the market. You are not allowed to use any product that dissociates itself from the advertising ring. All this is understandable, since big circulation spells bankruptcy if the paper has to depend on its sales for revenue.

26. Big circulations spells bankruptcy if the paper depends on its sales for its revenue because
 a. to retain its big circulation, it will have to be sold far below the cost of production
 b. the advertisers will not be there to support its cost of production
 c. the advertisers would drive it out of circulation
 d. it will not be able to pursue the policy that would be in the interest of the nation

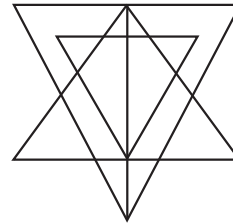
40. In $\triangle ABC$, P is the midpoint of the median BD, E is the midpoint of BC. If $\text{ar}(\triangle ABC) = 216\text{cm}^2$, then the $\text{ar}(\triangle CEP)$ is _____



- a. 54cm^2 b. 108cm^2 c. 27cm^2 d. 64cm^2
41. $\sqrt{56 + \sqrt{8 \times \sqrt{64}}} = ?$
 a. 8 b. 7 c. 6 d. None of these
42. In an isosceles triangle if the vertex angle is twice the sum of the base angles, then the measure of the vertex angle of the triangle is _____
 a. 100° b. 110° c. 120° d. 130°
43. If $x + \frac{1}{x} = 10$, then $x^2 + \frac{1}{x^2}$ is equal to
 a. 10^2 b. 98 c. 12 d. 8
44. If the width of a carpet is 4m, how many meters of it is required to cover a floor of length 40m and width 30m?
 a. 300m b. 320m c. 40m d. None of these
45. The value of $\frac{3^{12+n} \times 9^{2n-7}}{3^{5n}}$ is
 a. $\frac{1}{3}$ b. $\frac{9}{13}$ c. $\frac{1}{9}$ d. $\frac{2}{3}$
46. The diameter of a sphere is decreased by 25%. By what percent does its curved surface area decrease?
 a. 50% b. 25% c. 43.75% d. 56.25%
47. The remainder when $x^4 - x^3 + \frac{3}{4}x^2 - x - 1$ is divided by $x+2$ is _____
 a. $\frac{11}{4}$ b. $-\frac{3}{4}$ c. 32 d. 28
48. If $x+y=18$ and $xy=72$. What is the value of $x^2 + y^2 = ?$
 a. 90 b. 120 c. 180 d. None of these
49. If $5\sqrt{5} \times 5^3 \times 5^{-3/2} = 5^{a+2}$, the value of a is
 a. 4 b. 5 c. 6 d. 8
50. $\frac{8.9 \times 8.9 \times 8.9 - 1.4 \times 1.4 \times 1.4}{8.9 \times 8.9 + 8.9 \times 1.4 + 1.4 \times 1.4}$
 a. 10.3 b. 14.5 c. 7.5 d. 75
51. The Current Secretary general of United Nations Organizations
 a. Barak Obama b. Wang Liu c. Kamallesh Sharma d. Ban Ki Moon
52. The Commonwealth Games in 2014 will be held in _____
 a. Glasgow b. Guangzhou c. Colombo d. Delhi
53. Who is the minister of Youth Affairs and Sports?
 a. Dr. M. S. Gill b. M. Veerappa Moily c. Gulam Nabi Azad d. Jaipal Reddy
54. Which is the only country in the world with three capitals?
 a. Japan b. France c. South Africa d. North America
55. IMF stands for
 a. International Medical fund b. International Monetary fund
 c. Indian Mutual fund d. Indian Management federation.

74. Which is the smallest bird in the world?
 a. House Sparrow b. Tweety bird c. Humming bird d. Carolina Wren
75. The founder of National Conference in J&K is
 a. Omer Abdulla b. Farook Abdulla c. Sheikh Abdulla
 d. Sayyed Ali Sha Geelani
76. "Freedom in exile" is the autobiography of
 a. Malcolm X b. Dalai Lama c. Helen keller d. Ayub Khan
77. Which country is known as the Gift of Nile?
 a. Egypt b. Iran c. Turkey d. Libya
78. Who is known as Gurudev?
 a. Baba Amte b. Rabindranath Tagore c. Sardar Vallabhai Patel d. Gandhiji
79. Who is the author of the famous Book "My Days"?
 a. M.K Gandhi b. Maxim Gorky c. Shakespeare d. R K Narayanan
80. Choose the one which is not a work of Kamala Surayya
 a. Manasi b. Jeevitha NizhalPadukal
 c. Chandana Marangal d. Balyakala Smaranakal
81. Count the number of triangles in the following figure.

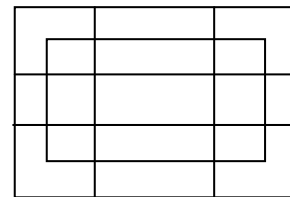
- a. 27 b. 25
 c. 23 d. 22



82. Convoy : Ships : : Deputation : ?
 a. Voters b. Representatives c. Politicians d. Writers
83. 7528 : 5362 : : 4673 : ?
 a. 2367 b. 2451 c. 2531 d. 2453

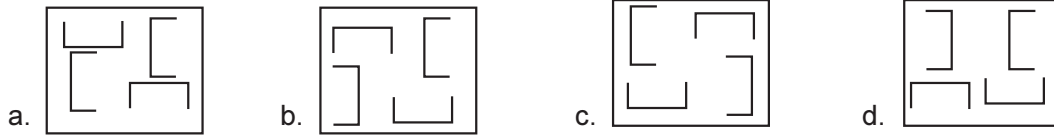
84. How many squares does the following figure contain?

- a. 18 b. 19
 c. 25 d. 27



85. Planet : Orbit : : Projectile : ?
 a. Trajectory b. Track c. Milky way d. Path
86. How many even numbers are there in the following sequence of numbers which are immediately followed by an odd number as well as immediately preceded by an even number
 86768932753422355228119.
 a. 1 b. 2 c. 3 d. 4
87. If 'x' means addition, '-' means division, '+' means subtraction and '÷' means multiplication then which of the following is correct.
 a. $16 \times 5 \div 10 + 4 - 3 = 19$ b. $16 + 5 \div 10 \times 4 - 3 = 9$
 c. $16 + 5 - 10 \times 4 \div 3 = 9$ d. $16 - 5 \times 10 \div 4 \div 3 = 12$

88. Choose the figure that is different from others.



89. Choose the figure that is different from others



90. In a special code 'south' is written as 74893, then how will 'north' be written?

- a. 74893 b. 74839 c. 47893 d. 64593

91. A boy rode his bicycle northwards, then turned left and rode 1 km and again turned left and rode 2 km. He found himself exactly 1 km west of his starting point. How far did he ride northwards initially?

- a. 1 km b. 2 km c. 3 km d. 5 km

92. If south-east becomes north, north-east becomes west and so on, what will west become?

- a. North-east b. South-east c. West d. East

93. Find the missing term 2 , 5 , 10 , 17 , 26 , 37 , ?

- a. 48 b. 50 c. 51 d. 52

94. Find the missing term CE, GI, KM, OQ, ?

- a. TW b. TV c. SU d. RT

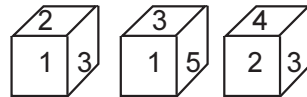
95. Find the missing character alternative amongst the given alternatives below the diagram.

3C	2B	4A
27A	?	64B
9C	4A	16B

- a. 8C b. 12B c. 16 C d. 18C

96. What should be the number opposite to 3?

- a. 1 b. 6
c. 5 d. 4



97. Observe the dots on a dice (1 to 6 dots) in the following figures. How many dots are contained on the face opposite to that containing 4 dots?



- a. 2 b. 3 c. 5 d. 6

98. Q's mother is sister of P and the daughter of M. S is the daughter of P and sister of T.
How is M related to T?

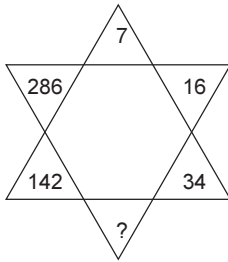
- a. Grand Mother
- b. Father
- c. Grand Father
- d. Both Grand Father and Grand Mother .

99. Problem figure.



- a.
- b.
- c.
- d.

100. Insert the missing number.



- a.. 72
- b. 70
- c. 68
- d. 66



MTS EXAMINATION - 2011

Class : X

10

Register No.

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Marks: 100
Time : 2 Hrs.

General Instructions:

1. Candidates will be supplied with separate Question Paper and Answer Sheet.
2. Answer the questions in the OMR Sheet by shading the appropriate bubble.
3. Shade the bubbles with black ball pen.
4. Each Question carries one mark.
5. Use the space provided in the last page for rough work.

- 1 The first round table conference was held in the year.....
a. 1928 b. 1930 c. 1931 d. 1932
- 2 Khetri mines in Rajasthan are famous for
a. iron ore b. mica c. Copper d. limestone
- 3 Education is included in
a. state list b. concurrent list c. union list d. residuary powers
- 4 Spinning Jenny was invented by.....
a. Richard Arkwright b. Thomas Hardy c. James Hargreeves d. Crompton
- 5 What is Himalayan Yew?
a. grass b. animal c. tree d. medicinal plant
- 6 The type of government in Belgium
a. local government b. municipal government
c. community government d. self government
- 7 When there are two full moons in the same month, what is the second called?
a. Crescent b. Gibbous c. Blue moon d. New moon
- 8 The animal that comes under the category of extinct species
a. crocodile b. Asiatic cheetah c. tiger d. asian elephant
- 9 The State which has the lowest infant mortality rate
a. Punjab b. Kerala c. Delhi d. Maharashtra
- 10 The author of the novel, "Hard Times"
a. Jane Austen b. Charles Dickens c. Emily Zola d. Prem Chand
- 11 Who designed the National Flag of India?
a. Jawaharlal Nehru b. Bagath c. Pingali Vengayya
d. Gandhiji
- 12 Black soil is useful for the cultivation of
a. rice b. wheat c. cotton d. jute

13. Vegetable oil is converted into vanaspathi ghee by the process of
 a. Hydrogenation b. Halogenation c. Hydration d. Dehydrogenation
14. The weight of iron on rusting _____
 a. Increases b. Decreases c. Remains constant d. None of the above
15. Pure gold is
 a. 916 gold b. 22 carot c. 23 carot d. None of these
16. The colour of P^H paper when dipped in saliva before meals will be
 a. Blue b. Green c. Orange d. Red
17. The gap between two neurons is called a
 a. Dendrite b. Synapse c. Axon d. Impulse
18. Plasmodium reproduces asexually by means of
 a. Binary fission b. Multiple fission c. Fragmentation d. Regeneration
19. Which one is a product of glycolysis?
 a. Oxaloacetate b. Pyruvate c. Ethyl alcohol d. Lactic acid
20. The enzyme which helps in the digestion of fat is
 a. Trypsin b. amylase c. Lipase d. Pepsin
21. To get 2 ohm resistance using only 6 ohm resistors, the number of resistors required is
 a. 2 b. 3 c. 4 d. 6
22. A device produces 40 joules of heat when 2 ampere current passes through it. When the current is doubled, the heat produced in the same time will be _____ joules.
 a. 40 b. 20 c. 160 d. 80
23. A magnet having a pole strength m is cut into two equal parts. The strength of the pole of each of the magnets is
 a. $m/2$ b. $2m$ c. m d. $4m$
24. MRI stands for
 a. Magnets Resonant Imaging b. Magnetic Resonance Imaging
 c. Magnetic Radar Imaging d. Magnets Radial Images
25. Pick out the scalar quantity/quantities from the box [Velocity, Electric current, Acceleration, Force , Time, Displacement, Speed]
 a. Time b. Time, Speed c. Current, Time ,Speed d. Speed, Current

Read the following passage and choose the correct answers for the questions from 26 to 30

The evidence couldn't be more surprising – the Gangotri glacier is receding at an astonishing 23 metres per year. In fact, all the Himalayan glaciers are the fastest receding in the world. This raises the dangers of widespread flooding and eventually, when water levels decline, the possibility of massive environmental and economic problems for the people of Nepal, northern India and western China. Environmentalists have been crying about these frightening scenarios for years but they are routinely dismissed as false people who are raising needless alarms. But ground realities show that across the world, global warming is causing all manners of freak climatic phenomena. The more significant are the El Nino effect in which the warming of ocean currents has led to the decline of certain aquatic species. Globally, temperatures have been steadily increasing wiping out many species of flora and fauna.

26. Melting of the Himalayan glaciers means
 a. decrease in the height of the Himalayas b. more water in rivers to the flooding level
 c. more growth of crops d. prosperity
27. If water gets less in the Himalayan area, it will mean
 a. environmental pollution b. drought condition
 c. forests' drying out d. environmental and economic problems
28. 'False people' are actually
 a. those who tell lies b. environmentalists
 c. those living in the Himalayas d. the forest people
29. Global warming is causing all over the world
 a. situation suitable for tourism b. extension of winter season
 c. deceptive climate changes d. false hopes of life
30. The word 'aquatic' is related to
 a. water b. animals c. fish d. marine life
31. What is the time _____ your watch?
 a. in b. on c. by d. of
32. Which among the options rightly reports the following sentence?
 The policeman said to us, 'Where are you going?'
 a. The policeman asked where we are going.
 b. The policeman asked me where I was going.
 c. The policeman told us where we were going.
 d. The policeman enquired us where we had been going.
33. I _____ the work before you asked me about it.
 a. had completed b. completed c. have completed d. was completing
34. Which one is the passive form of the following? 'The manager will give you a ticket.'
 a. A ticket would be given to you by the manager.
 b. A ticket will give to you by the manager.
 c. You would be given a ticket by the manager.
 d. You will be given a ticket by the manager.
35. Crisis: crises, larva: larvae, criterion: Criteria, syllabus: ?
 a. syllabes b. syllabusae c. syllabi d. syllabics
36. A person who doubts the existence of god is called
 a. atheist b. protagonist c. sceptic d. agnostic
37. He was a black sheep in his family. This means that
 a. He was the disreputable member in his family.
 b. He had a black sheep.
 c. He looked after only black sheep.
 d. He had dark complexion.

38. If the sum of n terms of an AP is $3n^2+5n$, then which of its terms is 164?
 a. 26th b. 27th c. 28th d. None of these
39. In the examination 70% of the candidates passed in English, 65% in Mathematics, 27% failed in both subjects. What is the pass percentage?
 a. 38% b. 62% c. 28% d. 23%
40. Find the value of $\sqrt{\frac{36.1}{102.4}}$
 a. $\frac{6.1}{34}$ b. $\frac{19}{32}$ c. $\frac{19}{34}$ d. $\frac{19}{31}$
41. The value of the expression $1 \div \left\{ \left(\frac{1}{2} + \frac{1}{3} + \frac{1}{6} \right) \div \left(\frac{3}{4} - \frac{1}{3} \right) \right\}$ is
 a. $\frac{30}{37}$ b. 1 c. $\frac{5}{12}$ d. $\frac{1}{12}$
42. If $1.125 \times 10^k = 0.001125$, then the value of k is
 a. -4 b. -3 c. -2 d. -1
43. If $2a-3=5$ and $3b+1=2$, then $3b-2a$ is
 a. -3 b. 7 c. -7 d. -9
44. A boy goes to school at a speed of 3km/hr and returns to the village at a speed of 2km/hr. If he takes 5 hours in all, what is the distance between the village and the school?
 a. 4km b. 5km. c. 6km d. 7km
45. If $2\sin^2 \theta = \frac{1}{2}$, $0^\circ < \theta < 90^\circ$, then θ is equal to
 a. 60° b. 30° c. 45° d. 90°
46. $(\sec A + \tan A) (1 - \sin A) =$ _____
 a. $\sec A$ b. $\sin A$ c. $\tan A$ d. $\cos A$
47. The altitude of a right triangle is 7cm less than its base. If the hypotenuse is 13cm, find the other two sides.
 a. 5 and 12 b. 2 and 9 c. 11 and 4 d. 3 and 10.
48. Two cubes each of volume 64 cm^3 are joined end to end. Find the surface area of the resulting cuboid.
 a. 150 cm^2 b. 160 cm^2 c. 170 cm^2 d. 180 cm^2
49. Two isosceles triangles have equal angles and their areas are in the ratio 16:25. Find the ratio of their corresponding heights.
 a. 4:5 b. 5:4 c. 3:2 d. 5:7
50. The average age of 30 boys of a class is equal to 14 years. When the age of the class teacher is included the average becomes 15 years. Find the age of the class teacher.
 a. 45 b. 30 c. 56 d. 25
51. Which is the largest commercial bank in India?
 a. RBI b. SBI c. ICICI d. IOB
52. Which Indian feature film won the national film award 2010?
 a. My name is Khan b. Kuttisrank c. Thare zameen per d. Pazhassi raja
53. Who is the Ex-Officio Chairman of Rajya Sabha ?
 a. Manmohan Singh b. Gopal Subrahmanyam
 c. Hamid Ansari d. K M Kariyappa

MTS EXAMINATION - 2011

11

Class : XI

Register No.

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Marks: 100
Time : 2 Hrs.

General Instructions:

1. Candidates will be supplied with separate Question Paper and Answer Sheet.
2. Answer the questions in the OMR Sheet by shading the appropriate bubble.
3. Shade the bubbles with black ball pen.
4. Each Question carries one mark.
5. Use the space provided in the last page for rough work.

- 1 English East India company was established in the year
a. AD 1600 b. AD 1700 c. AD 1750 d. AD 1857
- 2 Indian Railways are divided intozones
a. 20 b. 9 c. 16 d. 18
- 3 The city known as the "City of Dreams"
a. Delhi b. Bombay c. Jaipur d. Lucknow
- 4 Double counting means :
a. Commodity is counted more than once by mistake
b. value of commodity is counted more than once
c. both of the above d. none of the above
- 5 The founder of "The Hindu"
a. Iswar Chandra Vidyasagar b. Rajagopalachari
c. Jogendranath Bose d. none of the above
6. A bulb is rated 60W at 240V, the current that flows in the filament of bulb is
a. 0.25A b. 4A c. 14000A d. 0.4A
7. "Law of octaves" was proposed by
a. Newlands b. Doberniere c. Mendeleev d. Lothar Mayer
8. A radio active noble gas is
a. Xe b. Rn c. Ra d. Kr
9. Taxonomy without phylogeny is 'like bones without flesh' was remarked by
a. John Hutchinson b. Takhtajan c. Oswald Tippo d. Bentham and Hooker
10. The Italian scientist who discovered capillaries is
a. Marcello Malpighi b. William Harvey c. Christen Bernad d. Pavlov

Read the following passage and choose the correct answers for the questions from 11 to 15.

The history of medicine includes the pre-scientific stage, before it was a science, and the time when it became a science. The medicine of primitive people had all kinds of strange explanation of diseases. The medicine men, whose main function was to cure diseases, based their healing methods on the assumption that most illnesses were caused by supernatural powers and that supernatural powers were required to cure them. The individual fell ill because of having offended one of the Gods, or through the machinations of witchcraft or sorcery, or through the unprovoked attack of an evil spirit. The task of the curer was to diagnose the disease, usually by divination techniques, and then to apply the spiritual remedy, such as retrieving a lost soul, removing a disease-causing object, or exorcising an evil spirit. Medicine men also employed application of heat and cold, bloodletting, massage, and the use of herbs.

11. Primitive man assumed that all illnesses were caused by
 - a. supernatural powers
 - b. superstitious people
 - c. witchcraft
 - d. bloodletting
12. A curer was a person
 - a. who used medicines to cure the patient
 - b. who used witch craft to cure people
 - c. who diagnosed the disease and then applied a spiritual remedy
 - d. who decided what treatment to use on the patient
13. Some of the other methods used to cure patients were
 - a. blood letting
 - b. application of heat and cold
 - c. massage and use of herbs
 - d. all the above
14. Ancient medicine belongs to the
 - a. scientific stage
 - b. unscientific stage
 - c. intermediary stage
 - d. prescientific stage
15. The word from the passage that means 'plotting and intrigues' is
 - a. supernatural
 - b. unprovoked
 - c. machinations
 - d. divination
16. Choose the option that rightly reports the following sentence.
I said, "No, I shall not go there."
 - a. I said that I would not go there.
 - b. I said that I should not go there.
 - c. I denied to go there.
 - d. I said that I shall not go there.
17. Many schools in the capital _____ their fees.
 - a. has hiked up
 - b. have hiked up
 - c. had hiked up
 - d. were hiked up
18. Identify the wrong sentence from among the options.
 - a. Each boy and each girl is going for a picnic.
 - b. The three brothers fought with each other.
 - c. Ramesh is our common friend.
 - d. Your scissors are blunt

19. Mount Abu is one of the _____ India.
- a. popular with the hill retreat of
b. popular as a hill retreat of
c. popular as hill retreat in
d. popular hill retreats of
20. The phrase 'slew of instruments' refer to
- a. a wide range of instruments
b. instruments used for slaying
c. tools of a similar nature
d. surgical instruments
21. If $1 + x + x^2 + x^3 = 40$, find x
- a. 1
b. 4
c. 3
d. 2
22. $(\sec^2 67^\circ - \tan^2 67^\circ) - (\sin^2 33^\circ + \cos^2 33^\circ)$ is
- a. 1
b. $\sec^2 100^\circ$
c. $\tan^2 100^\circ$
d. 0
23. A can do a piece of work in 14 days and B in 21 days. They begin together, but 3 days before the completion of the work, A leaves off. In how many days is the work completed ?
- a. 10 days
b. $10\frac{1}{5}$ days
c. 15 days
d. 7 days
24. What is the radius of the circle if the side of the largest square inscribed in the circle is 'a'.
- a. $\sqrt{2} a$
b. 2a
c. $\frac{a}{\sqrt{2}}$
d. $\frac{a}{2}$
25. How many cubic metres of water fill a pipe which is 3.5 km long and is 8cm in diameter?
- a. 17.6 m³
b. 16.6m³
c. 18m³
d. 10.5m³
26. The first country formed in the 21st century
- a. Montenegro
b. Kosovo
c. Serbia
d. East Timor
27. The recipient of Nobel Peace prize- 2010 is
- a. Mother Theresa
b. Barak Obama
c. Dalai Lama
d. Liu Xiaobo
28. The total Number of Grama Panchayaths in Kerala
- a. 999
b. 599
c. 899
d. 799
29. The total number of Universities in Kerala
- a. 7
b. 11
c. 10
d. 8
30. VAT stands for
- a. Value Added Technology
b. Value Added Transfer
c. Value Added Tax
d. Value Added Trade
31. NGO stands for
- a. National Group Organization
b. Non Graduate Organization
c. Non Government Organization
d. Nuclear Grant Organization
32. Indian Constitution adopted the idea of Concurrent list from the Constitution of
- a. Australia
b. Canada
c. Germany
d. UK
33. The article _____ of Indian Constitution discusses the freedom of speech
- a. 19
b. 20
c. 24
d. 25


34. Irom Sharmila is
- a. a civil rights activist, political activist, journalist and poet
b. Poet only
c. Journalist only
d. Political activist only
35. The first woman Indian foreign secretary
- a. Leela K Ponnappa b. Chokila Iyer c. Nirupama Rao d. Vijaya Lakshmi
36. Gandhiji burned foreign cloths coinciding with the visit of
- a. Lord Mount Batton b. Prince of Wales c. Simon Commission d. Queen Elizabeth I
37. "Let's respond to India's call" is a speech made by
- a. Dr. A P J Abdul Kalam b. Dr. B.R. Ambedkar
c. Jawahar Lal Nehru d. Indira Gandhi
38. The Capital city of Philippines is
- a. Manila b. Manama c. Lisbon d. Lima
39. Which famous waterfall lies on the border between Argentina and Brazil and is one of the most spectacular waterfalls in the world?
- a. Angel Falls b. Iguazu Falls c. Arg falls d. Niagra Falls
40. This famous landmark is the only one remaining of the Seven Wonders of the Ancient World. What is the name of this landmark that was built around 2500 BC?
- a. Great Pyramid of Giza b. Mausoleum
c. Taj Mahal d. Great Wall of China
41. Who is the first woman to win the "Golden Slam" of Tennis?
- a. Venus Williams b. Stephi Graf c. Sareena Williams d. Martina Navarathilova
42. The Yellow ring in the Olympic symbol represents
- a. Asia b. Europe c. Australia d. America
43. Who invented ECG?
- a. William Einthoven b. Edward Schafer c. Bayer d. Eldo Caseellani
44. Which country introduced VAT for the first time in the world?
- a. France b. Britain c. India d. America
45. Which is the first city in Asia to have electricity?
- a. Tokyo b. Bangalore c. Beijing d. Karachi
46. The expansion of SAARC is
- a. South African Association for Regional Cooperation
b. South African Association for Religious Cooperation
c. South Asian Association for Regional Cooperation
d. South Asian Association for Religious Cooperation
47. The full form of OIC is
- a. Organization of oil Importing Countries b. Organization of the Islamic Conference
c. Organization of the Islamic Courts d. Oil Industries Conference

48. Which is the largest Island in the world?
a. Greenland b. Maldives c. Srilanka d. Sumatra
49. Which is the largest river in the world?
a. Amazone b. Nile c. Ganga d. Niger
50. The author of "A Brief History of time"
a. Arundhathi Roy b. Stephen Hawking c. Newton d. Amartya Sen
51. The first Indian woman to win an Olympic medal
a. P T Usha b. Saina Nehwal c. Karnam Malleshwari d. Mira Nair
52. Which is the City of the Golden Temple?
a. Amritsar b. Jalandhar c. Chandigarh d. Pune
53. Who is the Lady with the Lamp?
a. Agatha Christie b. Maria Montessori c. Mother Theresa d. Florence Nightingale
54. Who is the author of the famous Book "Resurrection"?
a. Leo Tolstoy b. Maxim Gorky c. Shakespeare d. T S Eliot
55. Choose the one which is not a work of Arundhathi Roy
a. The God of Small Things b. The End of Imaginations
c. War talk d. Main Street
56. Which blood group is called as Universal receiver?
a. AB b. O c. B d. A^{+ve}
57. The world forest day is on
a. May 21 b. April 21 c. March 21 d. February 21
58. India's first Nobel prize winner:
a. C V Raman b. Mother Theresa c. Rabindranath Tagore d. Dr. Amartya Sen
59. _____ is known as the father of Internet
a. Bill gates b. Vint Cerf c. Paul Allen d. Richard Stallman
60. Choose the odd one:
a. Windows b. Unix c. MS office d. Linux
61. Which is the first Masjid(Mosque) in the world?
a. Masjidul Haram b. Masjidunnabavi c. Mecca Masjid d. Al Azhar Mosque
62. Which is the only animal to have four knees?
a. Giraffe b. Elephant c. Fox d. Lion
63. Kaziranga National park is related to
a. Conservation of Indian Rhinoceros b. Conservation of Tigers
c. Conservation of elephants d. Conservation of Indian Peacock

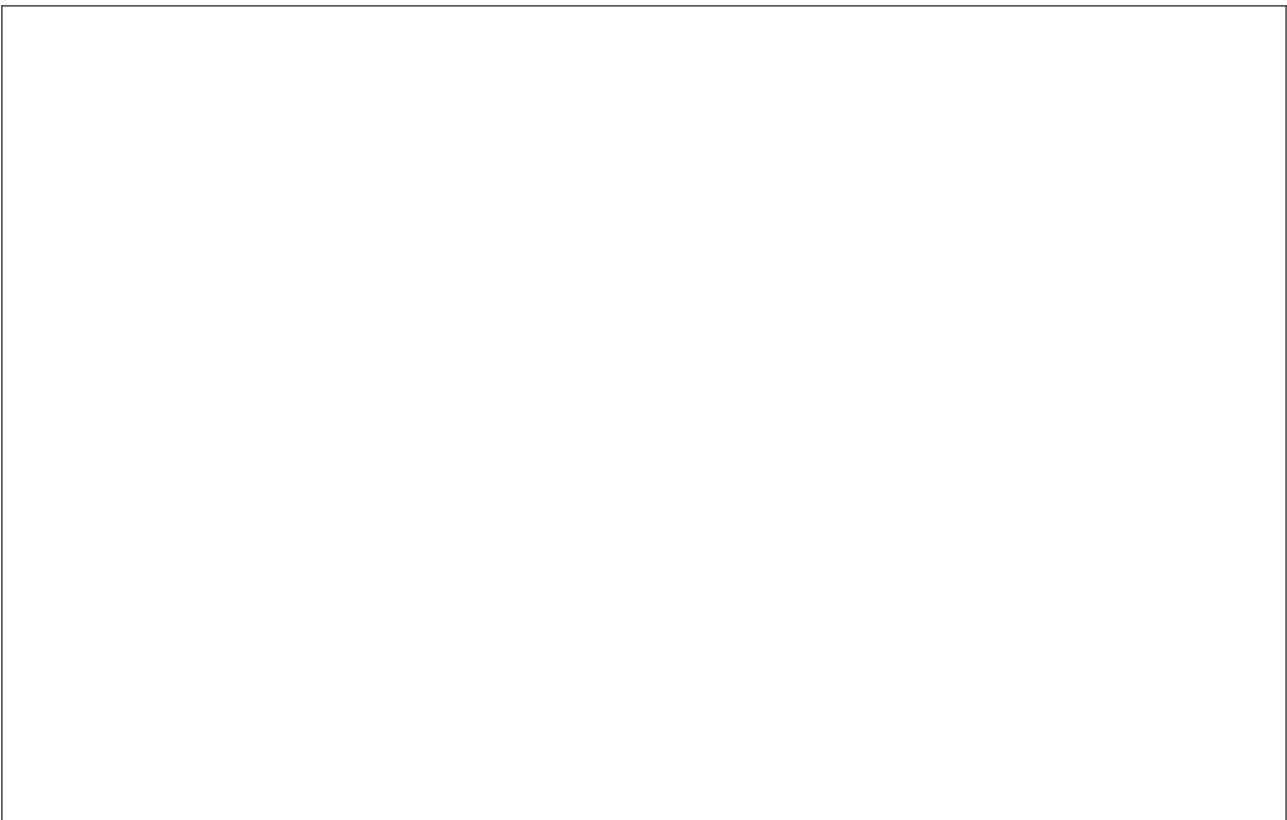
64. Silent valley National park is situated in
 a. Nilgiri Hills, Palakkad
 b. Malmpuzha, Palakkad
 c. Bathery, Wayanad
 d. Kalpetta .Wayanad
65. Mayilamma is linked with
 a. Narmada save project
 b. Muthanga Riot
 c. Strike against Cola Company
 d. Conservation of Mangrove trees
66. Rabindranath Tagore Peace Prize-2010 was awarded to
 a. Irom sharmila
 b. Arundhathi roy
 c. Vandana shiva
 d. Medha Patkar
67. The best comedian of Kerala state film award 2010 is
 a. Jagathy
 b. Harishree Ashokan
 c. Suraj Venjara mood
 d. Kalpana
68. The Ezhuthachan prize 2010 is won by
 a. Dr. M. Leelavathi
 b. ONV Kuruppu
 c. Sugatha Kumari
 d. M T Vasudevan Nair.
69. "My Story" is the autobiography of
 a. K. Karunakaran
 b. Indira Gandhi
 c. Kamala Surayya
 d. Lal Bahadur Shastri
70. The famous novel Chemmeen is translated into ____ languages.
 a. 17
 b. 19
 c. 21
 d. 15
71. A place of worship adherents of any faith are free to visit and pray is
 a. Golden Temple, Amritsar
 b. Delhi Juma Masjid
 c. Bahai Temple, Delhi
 d. Sreekrishna Temple, Guruvayoor
72. Gandhiji began Civil Disobedient movement in _____
 a. 1926 Jan 5
 b. 1930 Jan 1
 c. 1932 Jan 1
 d. 1934 Jan 5
73. Robert Browning was a ____ poet
 a. Romantic
 b. Victorian
 c. Modern
 d. None of these
74. National Science day is observed on
 a. March 7
 b. November 20
 c. February 28
 d. April 11
75. Bull and Bear are the terms associated with
 a. Chess
 b. Base ball
 c. Stock market
 d. Hockey
76. In a certain code BROKE is written as '53196' and 'DREAM' is written as '73624'. How is ROAD written in that code ?
 a. 3146
 b. 3217
 c. 3127
 d. 4127
77. Three of the following four are alike in a certain way and so form a group.
 Which is the one that does not belong to that group: 96, 63, 42, 35, 70
 a. 35
 b. 42
 c. 63
 d. 96
78. How many meaningful English words can be formed with the letters ETMI using each letter only once in each word?
 a. One
 b. Two
 c. Three
 d. More than three

79. Anatomy:Zoology::Paediatrics:?
 a. Chemistry b. Medicine c. Palaentology d. Mechanics
80. Restaurant:Menu
 a. Library: Catalogue b. Journal:Newspaper c. Book:Encyclopaedia d.College:Account
81. EGI:JLO::PRT:?
 a.AYW b.WYA c.YWA d.VXA
82. 9,12,11,14,13,__,15
 a.12 b.16 c.10 d.17
83. BD GI LN QS ____
 a.TV b. VW c. WX d. VX
84. In a certain language CHAMPION Is coded as HCMAIPNO, how can NEGATIVE be coded
 In that language?
 a. ENAGITEV b. NEAGVEIT c. MGAETVIE d. EGAITEVN
85. In a certain code,134 means "good and tasty",478 means "see good pictures"; and 729 means
 "pictures are faint." Which of the following digits stands for "see"?
 a.4 b.7 c.9 d.8
86. Ramu went 15km. to the west from his house, then he turned left and walked 20 km. He then turned
 east and walked 25km.and finally turning left covered 20km. How far is he from his house?
 a. 5km b.10km c.40km d.80km
87. A watch reads 4.30. If the minute hand points east, in what direction does the hour hand point?
 a. North b. North-West c. South-East d. North-East
88. Arrange the words in alphabetical order and pick the one that comes second.
 a. Explosion b. Emergency c. Ecstasy d. Eager
89. How many 9s are there in the following number sequence, which are immediately preceded by 7
 and also immediately followed by 8?
 1 5 7 9 8 9 4 3 6 7 9 8 1 2 9 3 2 9 7 8 4 5
 a.1 b.2 c.3 d.4
90. In the given series how many instances are there in which an even number is followed by two odd
 numbers?
 1 8 5 7 2 9 8 4 3 6 2 7 5 1 8 9 4 3 6 5 9
 a. Nil b. One c.Two d. Three
91. Introducing a girl, Santhosh said,"Her mother is the only daughter of my mother-in-law" How is
 Santhosh related to the girl?
 a. Uncle b. Husband c. Brother d. Father
92. A father is twice as old as his son. 20 years ago , the age of the father was 12 times the age of the
 son. The present age of the son is ____
 a. 44 years b. 22 years c. 40 years d. 20 years

93. The ratio of ages of Mohan and Sohan is 4:3. The sum of their ages is 42 years. The age of Mohan is
 a. 24 years b. 18 years c. 32 years d. 30 years
94. How many days will 12 men take to complete a job which 18 men took 36 days to complete?
 a. 18 days b. 36 days c. 54 days d. 22 days
95. A man crosses a street 600m long in 5 minutes. What is his speed?
 a. 9km/hr b. 7 km/hr c. 9.6 km/hr d. 7.2 km/hr
96. 2 5 9 ? 20 27
 a. 48 b. 12 c. 14 d. 24
97. $1.03 \times 0.44 = ?$
 a. 4.532 b. 0.045532 c. 45.32 d. none of these
98. A canteen requires 13 dozen bananas per day. How many bananas will it require for 9 weeks?
 a. 728 b. 9828 c. 1404 d. 9882
99. Which is the lowest of the following?
 a. $\frac{6}{7}$ b. $\frac{7}{8}$ c. $\frac{7}{9}$ d. $\frac{5}{7}$

100. 

a. b. c. d.



MTS EXAMINATION - 2011

12

Class : XII

Register No.

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Marks: 100
Time : 2 Hrs.

General Instructions:

1. Candidates will be supplied with separate Question Paper and Answer Sheet.
2. Answer the questions in the OMR Sheet by shading the appropriate bubble.
3. Shade the bubbles with black ball pen.
4. Each Question carries one mark.
5. Use the space provided in the last page for rough work.

- 1 The Vernacular Press Act was passed in the year.....
a. 1878 b. 1887 c. 1867 d. 1898
- 2 Who among the following was not a 'head of state'?
a. Mohamad Ali Jinnah b. Mahatma Gandhi c. R. Venkitta Raman d. Ronald Raegan
- 3 Which state in India has the highest literacy rate?
a. Bihar b. Orissa c. Punjab d. Kerala
- 4 How many members are nominated by the President to Rajya Sabha?
a. 12 b. 14 c. 16 d. 18
- 5 Who abolished 'Sati System' in India?
a. Lord Rippon b. Lord Litton c. Lord William Bentic d. Ram Mohan Roy
6. The number of electrons constituting one coulomb of charge is
a. $1.6 \times 10^{-19}C$ b. 6.2×10^{18} electrons c. 1.6×10^{19} electrons d. $6.2 \times 10^{18}C$
7. Hydrolysis of 2-chloropentane with aqueous alkali gives
a. Pentanal b. 2-pentanone c. 2-pentanol d. 1-pentanol
8. Photoelectric effect was discovered by
a. Max Planck b. Hertz c. Einstein d. Heisenberg
9. Living fossil is
a. ginkgo biloba b. gnetumulva c. pinus roxburghie d. cycas revolute
10. The plant which gives agar- agar
a. laminaria b. chara c. sargassum d. gelidium

Read the following passage and choose the correct answers for the questions from 11 to 15.

The average life span of a human being throughout all history was twenty seven years. In the nineteenth century, however, science and improved technology trebled life expectancy. As technological capabilities improved and life expectancy increased, the number of babies per family went down, demonstrating the fact that nature keeps on balancing the population figure. After major

wars, when large number of young and healthy men are killed, baby-making increases. The birth rate continues to rise for five years or so after the war ends until the score is rectified. All this happens without conscious cooperation or even the knowledge of the human beings. When the probabilities of human survival are poor, nature makes many babies. When the chance of man's survival improves, nature reduces the number of new babies.

11. The title that best expresses the ideas of the passage is
 - a. Polpulation and Science
 - b. Natural Checks on Population
 - c. Population and War
 - d. Life and Babies
12. The author says that throughout history
 - a. everyman died on attaining twenty seven years
 - b. everyman lived twenty seven or so
 - c. the average life of human race was twenty seven years
 - d. some men lived for less than twenty seven years
13. The birth rate continues to rise after the end of the war for
 - a. one year
 - b. three years
 - c. five years
 - d. five years or so
14. What has helped in the increase in the life expectancy?
 - a. War and Peace
 - b. New forms of governance
 - c. Lack of manual labour
 - d. Science and technology
15. The word 'rectified' in the passage means
 - a. balanced
 - b. corrected
 - c. changed
 - d. repaired
16. I wonder if I shall get _____ my science examination.
 - a. at
 - b. in
 - c. through
 - d. for
17. No sooner _____ the train _____ at the station than the passengers rushed towards it.
 - a. did, arrived
 - b. did, arrive
 - c. had, arrive
 - d. has, arrived
18. Which among the options rightly reports the following sentence? Firoz said, 'I have invited four of my friends for dinner'.
 - a. Firoz said that he has invited four of his friends for dinner.
 - b. Firoz said that I have invited four of my friends for dinner.
 - c. Firoz said that he had invited four of his friends for dinner.
 - d. Firoz said that I had invited four of his friends for dinner.
19. Complete the following piece of news.

Ten persons _____ in connection with clashes between Dalits and a section of the upper caste Hindus at Madurai on Friday.

 - a. were arrested
 - b. had arrested
 - c. had been arrested
 - d. have been arrested
20. Which is the wrongly spelt word?
 - a. acquaintance
 - b. occasion
 - c. bureaucracy
 - d. curriculam
21. The empirical relation connecting mean, median and mode.
 - a. $2 \text{ Mean} = \text{Mode} + 3 \text{ Median}$
 - b. $3 \text{ Median} = \text{Mode} + 2 \text{ Mean}$
 - c. $2 \text{ Median} = \text{Mode} + 3 \text{ Mean}$
 - d. $2 \text{ Mode} = \text{Median} + 3 \text{ Mean}$

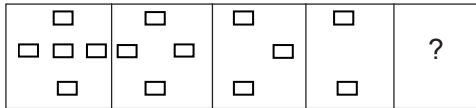
38. The Capital city of Peru is
a. Lima b. Luanda c. Lusaka d. Lisbon
39. The Statue of Liberty stands on Liberty Island in New York Harbour. But which country built and donated the statue to the United States?
a. England b. Holand c. Spain d. France
40. Which Parisian landmark was built for the 1889 World Fair that marked the centennial celebration of the French Revolution?
a. Eiffel Tower b. Twin Tower c. Asian Tower d. None of these
41. Usain Bolt took ___ seconds to establish a new world record in 100 m race
a. 9.58 b. 9.69 c. 9.72 d. 9.89
42. The first Indian who won the Rajiv Gandhi Khel Ratna Award
a. Sachin Tendulkar b. Viswanathan Anand c. Leander Paes d. Abhinav Bindra
43. Who invented Artificial Heart in 1957?
a. William Kolff b. John Browning c. Richard Drew d. John Walker
44. The first female space tourist in the world is
a. Kalpana Chowla b. Valentina Tereshkova c. Anousheh Ansari d. Derba Banergee
45. The state reorganization on the linguistic bases in India was in the year
a. 1956 b. 1966 c. 1952 d. 1962
46. Which war was code named as 'Operation Desert Storm'?
a. The Gazza invasion of Israel b. The Gulf war
c. The North Corean Bombing of South Korea d. The Srilankan war on Tamil tigers.
47. In which country would one find 8 of the world's 10 highest mountains?
a. India b. Nepal c. Switzerland d. Turkey
48. Which is the largest bay in the world?
a. Ha Long Bay b. Agadir Bayn c. Bodrum Bay d. Hudson Bay
49. Which is the fastest bird in the world?
a. House Sparrow b. Tweety bird c. Humming bird d. Swift
50. "By God's Decree" is the autobiography of
a. P.T.Usha b. Kapil Dev c. Mohammed Azharudheen d. Sania Mirza
51. The first Black President of South Africa:
a. Nelson Mandela b. Malcolm X c. Winnie Mandela d. Muhammad Ali
52. Which is the Land of Lilies?
a. UK b. Canada c. Australia d. Singapore
53. Who is the Man of Destiny?
a. Adolf Hitler b. Napoleon Bonaparte c. Mussolini d. George W Bush
54. Who is the author of "Seven Famous Novels"?
a. T.S.Eliot b. Maxim Gorky c. Shakespeare d. H G Wells

55. Choose the one which is not a work of S K Pottakkad
- Jeevitha Nizhal Paadukal
 - Oru Deshathinte Katha
 - Kurumulaku
 - Rajamalli
56. Justice Sachar committee report deals with:
- Social, Economic and Educational Status of Muslim and Christian Community of India
 - Social, Economic and Educational Status of Muslim Community of Kerala
 - Social, Economic and Educational Status of Muslim Community of India
 - Social, Economic and Educational Status of Muslim and Christian Community of Kerala
57. The world Human right day is on
- Dec10
 - Jan10
 - June 10
 - July 10
58. In which of the following areas did, for the first time, an Indian win Nobel Prize?
- Economics
 - Peace
 - Literature
 - Physics
59. _____ is known as the father of free software
- Paul Allen
 - Richard Stallman
 - Vint Cerf
 - Ray Noorda
60. Choose the odd one
- CD
 - Floppy Disk
 - Flash drive
 - Light Pen
61. Which is the first Masjid(Mosque) built in India ?
- Delhi Juma Masjid
 - Cheraman Masjid
 - Palayam Masjid
 - Babri Masjid
62. What type of acid is extracted from the juice of lemons, oranges, limes, and grapefruit?
- Nitric acid
 - Citric acid
 - folic acid
 - None of these
63. In 1985, this bird sanctuary was accepted as a world heritage site
- Kolleru, West Godavari
 - Thattakkad
 - Pulicat, Nellore
 - Bharathpur
64. India's oldest national park is
- Corbett
 - Kanha
 - Kaziranga
 - Muthanga
65. Kallen Pokkuden is linked with
- Conservation of Whales
 - Conservation of Tigers
 - Conservation of Mangrove trees
 - Conservation of water
66. Irom Sharmila is on a hunger strike for the last 10 years
- Demanding the Government to withdraw Armed Forces (Special Powers) Act from Manipur.
 - Demanding the Government to withdraw military from Manipur
 - Demanding the Government to withdraw Governors rule from Manipur
 - Demanding the Government to withdraw TADA from Manipur
67. 2010 Sydney Peace Prize was awarded to
- Irom sharmila
 - Arundhati Roy
 - Vandana Shiva
 - Medha Patkar
68. Who directed the famous Bengali film 'Pather Panchali'?
- Hariharan
 - Satyajit Ray
 - Dada Saheb Phalke
 - Dulal Dutta

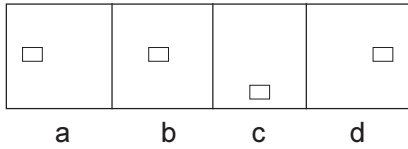
69. Sugatha Kumari got Padmasree award in the year
 a. 2002 b. 2003 c. 2004 d. 2006
70. The author of "Yaa Allah" is
 a. Vaikom Muhammad Basheer b. Akbar Kakkattil
 c. Kamala Surayya d. Sheikh Muhammad Karakkunnu
71. The rock-cut temples are situated in
 a. Andaman b. Elephanta island c. Colombo d. Male
72. "Wandering in many world" is the autobiography of
 a. Dr. Amartya Sen b. Dr. Ambedkar
 c. Justice V.R Krishna Iyyer d. Justice A S Ahmedi
73. Neliyan Parambu is famous for
 a. Lakes b. Football c. Pollution d. Sand Mafia
74. The term Blue revolution is related to
 a. Milk b. Fish c. Corps d. Water
75. Which Indian State produces the maximum quantity of salt?
 a. Bihar b. Gujarat c. Rajasthan d. Karnataka
76. If room is called 'home', home is called 'school', school is called 'floor', floor is called 'oil' what will a person stand on?
 a. Oil b. rooms c. floor d. school
77. Which of the following word will come fourth in the English Dictionary?
 a. False b. Follow c. Faithfully d. Fool
78. Identify the group of letters which is different from the rest.
 a. ACE b. HJL c. OQT d. UWY
79. The average of Babu's marks in 7 subjects is 75. His average in 6 subjects excluding Science is 72. How many marks did he get in science?
 a. 72 b. 90 c. 93 d. 75
80. Which of the given number does not fit the following numbers?
 0 6 24 60 120 216 336
 a. 24 b. 60 c. 120 d. 216
81. If 75% of a number is added to 75 the result is the number itself, then the number is
 a. 250 b. 750 c. 400 d. 300
82. A train 140m long is running at 60km/hr. The time taken to pass a tunnel of length 260m long is
 a. 24 seconds b. 25 seconds c. 28 seconds d. 30 seconds
83. Two numbers are in the ratio 4:5. If 8 is added to the numbers they form the ratio 6:7. The numbers are
 a. 8 and 10 b. 12 and 15 c. 16 and 20 d. 18 and 21

84. In an examination 40% students failed in Maths,30% in English and 15% in both. Find the pass Percentage.
- a.50% b .65% c.30% d.45%
85. If $3 + 7 = 63$, $4 + 7 = 84$ and $5 + 7 = 105$, $6 + 7 = \text{————}$
- a.136 b.126 c.106 d.86
86. If $5*8=44$, $6*5=33$ then $4*5= \text{————}$
- a.19 b.21 c.22 d.20
87. Pointing to Jessy in the photograph Jeeth said “She is the daughter of my grandfather’s only Son”. How is Jessy related to Jeeth?
- a .Son b .Sister c. Brother in Law d. Sister in Low
88. Jisha ranks 73rd from the top in a class of 183.What is the rank from the bottom?
- a.110 b.111 c.101 d.113
89. The price of an article is increased by 25%,the increase is Rs .10.Then the new price is
- a.Rs 30 b.Rs 40 c.Rs 50 d.Rs 60
90. Presentage of Krishna is $\frac{1}{4}$ th that of her father’s present age. After 4 years the sum of their ages will be 68. What is the present age of Krishna?
- a.19 b.15 c.16 d.12
91. A number is 30% more than the other. The other number is less than the first by
- a.30% b.20% c.16.5% d.23.07%
92. If 4 women carry out a task in 4 days ,then for the same task one woman will take
- a.1 day b .8 days c.12 days d.16 days
93. $(331+19)*(15-11)*(37+13)=?$
- a.70000 b.4131 c.30250 d.20350
94. Mohan bought a cycle for Rs.475 and then sold it at a loss of 8% of the cost price. For how much did he sell the cycle?
- a.Rs.453 b.Rs.419 c. Rs .441 d.Rs.437
95. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to the group: Red, Green, Yellow, Pink, Violet
- a. Red b. Pink c. Green d. Yellow
96. In a certain code language A is called B,B is called C,C is called D,..... Y is called Z and Z is called A,In that code language TEAM will be as
- a.SDZL b.UFBN c.UFZN d.UFBM
97. $235+75*8=?$
- a.2480 b.835 c.1955 d.2840

98. What comes next?



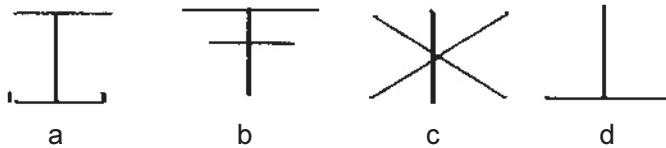
Answer figures



99. Following figures are in a serial. Find the missing figure



Answer Figures



100 . Parvin walked 30 meters towards East ,took a right turn and walked 20 meters ,again took a right turn and walked 30 meters. How far was he from the starting point?

- a. 30 meters b. 80 meters c. 20 meters d. 50 meters

