

# MTS EXAMINATION 2015 -16

## QUESTION PAPER

Class : IX

9

Register No :

Score : 400  
Time : 2 hrs

### General Instructions

1. Candidates are supplied with an OMR Answer Sheet.
2. Answer the questions in the OMR Sheet by shading the appropriate bubble.
3. Shade the bubbles with black ball point pen.
4. Each question carries four marks. One mark will be deducted for each wrong answer.
5. Use the space provided in the last page for rough work.

### Read the following passage and answer the question from 1 to 4.

In the 1954 film Neelakkuyil, directed by Ramu Kariat and P. Bhaskaran, the human drama unfolds through the shuttling of the narrative between the closed space of the home and the open space of the world outside. In a way, the local tea-shop is the centre of activity in the film. Most of the characters are trapped in their own space and time. But the tea-shop stands in their midst as the only modern and secular space, a space where hawkers, fishmongers, peasants and the local postman appear regularly as in a photo session. The tea-shop with an occasional rush hour also provide a counterpoint to the quiet and uneventful life of the village. The protagonist Shreedharan Nair appears not even once at the teashop, while Shankaran Nair, the postman makes it his favourite hangout.

1. Who is never seen at the tea-shop ?  
A. Ramu Kariat      B. Shankaran Nair      C. P. Bhaskaran      D. Shreedharan Nair
2. The word 'counterpoint' means  
A. to be in line with      B. is similar      C. to form a contrast with something      D. to be without
3. Which of the following means - ' the main character in the movie / play ' ?  
A. Shuttling      B. Protagonist      C. Hangout      D. Hawkers
4. The verb form of the word - ' Secular ' is  
A. Secular      B. Secularism      C. Secularization      D. Secularize
5. Select the correct indirect speech of the following :-  
The journalists said, " We are leaving for Delhi next week."  
A. The journalists said that they were leaving for Delhi the coming week.  
B. The journalists said that they were leaving for Delhi the previous week.

- C. The journalists told that they were leaving for Delhi next week.
- D. The journalists told that they were leaving for Delhi the previous week.
6. Change into passive voice:-
- No one has climbed this mountain before.
- A. This mountain has not been climbed before.
- B. This mountain had not been climbed before.
- C. The mountain was never climbed before.
- D. This mountain had not been climbed ever before.
7. Complete the sentence:-
- Had we gone early, .....
- A. we will have caught the train      B. we shall have caught the train
- C. we would catch the train              D. we should have caught the train
8. Choose the alternative which best expresses the meaning of the word “Murky”.
- A. Common                      B. Dishonest                      C. dark and gloomy                      D. Pleasant
9. After her retirement, she is working in a local school as an ..... teacher.
- A. honourable                      B. honest                      C. honorary                      D. honoured
10. I am ..... an opportunity to do something for his improverished family.
- A. looking for                      B. looking after                      C. looking upto                      D. looking into
11. If  $4^x + 4^x + 4^x = 48$ , then  $x$  is equal to .....
- A. 3                      B. 2                      C. 1                      D. 0
12. If the cost price of 5 mangoes is the same as the selling price of 4 mangoes, find the profit %
- A. 25%                      B. 10%                      C. 15%                      D. 20%
13. If  $A:B = 3:4$ ,  $B:C = 5:6$ , then  $A:C$  is .....
- A. 5:9                      B. 3:4                      C. 1:2                      D. 5:8
14.  $(a+b)^2 + (a-b)^2$  is equal to .....
- A.  $2ab$                       B.  $2(a^2+b^2)$                       C.  $ab$                       D.  $4ab$
15. Find the value of  $x$  if  $14x = 47^2 - 33^2$
- A. 80                      B. 800                      C. 100                      D. 8
16. Some autorikshaws and bikes are parked in a parking area. There are 19 in all. The total number of wheels is 45. How many autorickshaws are there in the parking area ?
- A. 7                      B. 12                      C. 21                      D. 24

17. Four added to half of a number gives hundred. What is the number ?  
 A. 192                      B. 96                      C. 104                      D. 98
18. An isosceles right angled triangle has area  $8\text{cm}^2$ . The length of its hypotenuse is .....  
 A.  $4\sqrt{2}$  cm                      B. 4 cm                      C.  $4\sqrt{3}$  cm                      D.  $2\sqrt{6}$  cm
19. The sides of a triangle are in the ratio 2:6:7, then the triangle is .....  
 A. acute angled                      B. obtuse angled  
 C. right angled                      D. triangle not possible
20. What is the length of a chord which is 3 cm away from the centre of a circle of radius 5 cm ?  
 A. 4 cm                      B. 8 cm                      C. 16 cm                      D. 2 cm
21. The symbol used for SI unit of force is .....  
 A.  $\frac{m}{s^2}$                       B. Kg                      C. N                      D. None of the above
22. The equation for rate of change of momentum is .....  
 A.  $\frac{\text{Change of momentum}}{\text{Time}}$                       B.  $\frac{\text{Change of momentum}}{\text{Applied force}}$   
 C.  $\frac{\text{Time}}{\text{Change of momentum}}$                       D.  $\frac{\text{Pressure}}{\text{Change of momentum}}$
23. Some objects will sink in water while others float. This is because of .....  
 A. their difference in volume                      B. their difference in area  
 C. their difference in length                      D. their difference in density
24. The instrument which works on Archimedes' principle is .....  
 A. Voltmeter                      B. Anemometer                      C. Lactometer                      D. Ammeter
25. Dry ice is .....  
 A.  $\text{CO}_2$                       B. Solid  $\text{CO}_2$                       C. CO                      D. None of these
26. Select from the following the correct order in which the substances are arranged in the increasing order of force of attraction between their particles.  
 A. Water , air , wind                      B. Air, sugar , oil  
 C. Oxygen , water , sugar                      D. Soil , juice , air
27. Which of the following sets of phenomenon would increase on raising the temperature ?  
 A. Evaporation , Diffusion , Expansion of gases  
 B. Solubility, Diffusion , Evaporation  
 C. Evaporation , Comprehension of gas , Solubility  
 D. Evaporation , Solubility , Diffusion , Comprehension of gas
28. Name the small pores present in the leaf epidermis.  
 A. Stomata                      B. Sieve tubes                      C. Tendons                      D. Fibres

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- A. i and ii only      B. i, ii, and iii      C. i and iii      D. All of the above
40. The fundamental duties of Indian constitution was borrowed from .....  
 A. American constitution      B. Russian constitutions  
 C. British constitution      D. Australian constitution
41. Who won the women's 100 m Gold in 2012 London olympics ?  
 A. Shelly - Ann - Fraser -Pryce      B. Carmelita Jefer  
 C. Christina Ohuruogo      D. Felix Sanchez
42. Which rocket was launched by ISRO during 1<sup>st</sup> 100<sup>th</sup> mission ?  
 A. ASLV - V21      B. GSLV C 21      C. PSLV - C 21      D. INSAT C 21
43. The largest produce of rice in India.  
 A. Kerala      B. Andhra Pradesh      C. Tamil Nadu      D. Gujarat
44. The first meeting of Indian National Congress was held in Bombay in 1885 A.D under the leadership of .....  
 A. Dadabhai Naoroji      B. C. Sankaran Nair  
 C. Vyomesh Chandra Banerjee      D. Badruddin Tyabji
45. Who among the following presided the karachi session of Indian National Congress in 1931 ?  
 A. Sardar Vallabhai Patel      B. Pandit Jawaharlal Nehru  
 C. Pandit Madan Mohan Malaviya      D. Dr. M.A Ansari
46. PAN Stands for .....  
 A. Personal Account Number      B. Permanent Account Numebr  
 C. Private Account Number      D. Postal Account Number
47. What is the full form of RAW?  
 A. Research and Analysis wing      B. Reservation analysis wing  
 C. Rural Analysis Wing      D. None of these
48. Generator was invented in 1884, who invented it ?  
 A. William Murdock      B. Augsberg      C. Piciontti      D. Lewis E  
 waterman
49. The leader of chinese communist party is .....  
 A. Carl Max      B. Lenin      C. Dr. Sunyat sen      D. Mao Tsetung
50. Who is known as Kerala Budha ?  
 A. Sreenarayana Guru      B. Swami Vivekananda  
 C. Vaikunda Swamikal      D. Shankaracharya
51. Red shirt is the organisation founded by .....  
 A. Pandit Jawaharlal Nehru      B. Khan Abdul Gaffar Khan  
 C. Sardar Vallabhai Patel      D. Muhammed Ali Jinnah
52. The champaran satyagraha was started by mahatma Ghandhi in the year .....  
 A. 1915      B. 1917      C. 1919      D. 1930
53. Which is the capital city of Argentina ?  
 A. Yerevan      B. Luanda      C. Buenos Aires      D. Vienna
54. Who build the tanjavur Big Temple ?  
 A. Raja raja chola      B. Dharmapala  
 C. Krishna Deva Raya      D. Narasimha Varman

55. Christ - The Redeemer Statue on corcovado mountain is located in which country ?  
A. China B. Canada C. Hungary D. Brazil
56. The Indian who won the individual gold medal in the olympics for shooting is  
A. Abhinav Bindra B. Rajyavardhan Singh Rathod  
C. Leander Pease D. Virendar Kumar
57. Who is known as the father of volleyball ?  
A. Major watter B. Willian G. Morgen  
C. James Naismith D. Jack Broton
58. A collection of parallel lines that connects several devices in a computer is called  
A. Bus B. Link C. Bidirectional wires D. Cables
59. Software installed to help prevent hacking is called .....  
A. System Software B. Antivirus Software  
C. Firewall Software D. Application Software
60. The largest land locked country in the world is .....  
A. Kazhakistan B. Pakistan C. Afhganistan D. None of these
61. The largest bridge.  
A. Haura Bridge B. Qingdo Haiwan Bridge  
C. Pamban Bridge D. None of these
62. The all India Muslim league was found in the year .....  
A. 1907 B. 1905 C. 1906 D. 1907
63. Who is known as the founder of Banaras Hindu University ?  
A. Madan Mohan Malavya B. Motilal Nehru  
C. Jawaharlal Nehru D. Lala lajpat Rai
64. Education is included in which list ?  
A. State list B. Union list C. Concurrent list D. Residuary powers
65. The Autobiography of Salman Rushdi is  
A. Unbreakable B. Joseph Anton C. Experiment with truth D. Wings of Fire
66. The book ' The universe in a Nutshell ' is written by  
A. Galilio B. Kepler C. Stephen Hawking D. H.G. Wells
67. The International court of Justice is located at .....  
A. Geneva B. Armsterdam C. Hague D. Vienna
68. Which of the following auther is known as cherukachu ?  
A. P. Sachidanandan B. Govinda Pisharadi  
C. Sethumadhavan D. P.V Ayyappan
69. Who wrote the Latin text 'Utopia' ?  
A. Thomas more B. John wycliffe C. Charles Willcins D. Willian Logun
70. Who is known as Chemical Ali ?  
A. Muhammed Ali Jinnah B. Moulana Abdul Kalam Azad  
C. Muhammed Saeed-al-Sahhat D. None of these

Space for rough works