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ENT-13

Total No. of Pages : 16

**M. Tech. (Rural Technology)
Entrane Examination, 2026
Subject Code : 71140**

Day and Date : Friday, 15-05-2026

Total Marks : 100

Time : 10.30 a.m. to 12.00 p.m.

Instructions

- i. All Questions are compulsory
- ii. Each Question is of One Mark

1. **Which is the largest ocean on Earth?**
 - A. Atlantic Ocean
 - B. Indian Ocean
 - C. Pacific Ocean.
 - D. Arctic Ocean.
2. **Who is known as the Father of the Nation in India?**
 - A. Jawaharlal Nehru
 - B. Mahatma Gandhi
 - C. Subhas Chandra Bose
 - D. B. R. Ambedkar
3. **What is the capital of Australia?**
 - A. Sydney
 - B. Canberra
 - C. Melbourne
 - D. Perth
4. **Which planet is known as the Red Planet?**
 - A. Venus
 - B. Mars
 - C. Jupiter
 - D. Saturn
5. **Who wrote the Indian national anthem?**
 - A. Rabindranath Tagore
 - B. Bankim Chandra Chatterjee
 - C. Sarojini Naidu
 - D. Subramania Bharati.

6. **Which gas is most abundant in Earth's atmosphere?**
 - A. Oxygen
 - B. Hydrogen
 - C. Nitrogen
 - D. Carbon dioxide
7. **Which country is known as the Land of the Rising Sun?**
 - A. China
 - B. Japan
 - C. Thailand
 - D. South Korea
8. **How many continents are there on Earth?**
 - A. 5
 - B. 6
 - C. 7
 - D. 8
9. **Which is the smallest prime number?**
 - A. 1
 - B. 2
 - C. 3
 - D. 5
10. **Which organ pumps blood in the human body?**
 - A. Lungs
 - B. Brain
 - C. Heart
 - D. Liver
11. **What is the currency of Japan?**
 - A. Yen
 - B. Won
 - C. Ringgit
 - D. Dollar
12. **Which river is the longest in India?**
 - A. Yamuna
 - B. Ganga
 - C. Godavari
 - D. Brahmaputra

- 13. Which day is celebrated as World Environment Day?**
A. April 22
B. June 5
C. August 15
D. October 2
- 14. Who discovered gravity when an apple fell on him?**
A. Galileo Galilei
B. Isaac Newton
C. Albert Einstein
D. Thomas Edison
- 15. Which is the tallest mountain in the world?**
A. K2
B. Kangchenjunga
C. Mount Everest
D. Makalu
- 16. Choose the correct synonym of 'rapid'.**
A. Slow
B. Quick
C. Weak
D. Late
- 17. Choose the correct antonym of 'ancient'.**
A. Old
B. Historic
C. Modern
D. Early
- 18. Fill in the blank: She to school every day.**
A. go
B. goes
C. gone
D. going
- 19. Choose the correct article: I saw elephant at the zoo.**
A. a
B. an
C. the
D. no article

20. Identify the noun in the sentence: 'The dog barked loudly.'

- A. The
- B. dog
- C. barked
- D. loudly

21. Choose the correct spelling.

- A. Seperate
- B. Separate
- C. Sperate
- D. Seprate

22. Choose the correct passive voice: 'She writes a letter.'

- A. A letter was written by her.
- B. A letter is written by her.
- C. A letter has written by her.
- D. A letter writes her.

23. Choose the correct plural of 'child'.

- A. childs
- B. childes
- C. children
- D. childrens

24. Fill in the blank: He is good mathematics.

- A. in
- B. on
- C. at
- D. for

25. Choose the correct sentence.

- A. He don't like tea..
- B. He doesn't likes tea..
- C. He doesn't like tea.
- D. He not like tea.

26. Which instrument measures pressure?

- A. Thermometer
- B. Barometer
- C. Ammeter
- D. Voltmeter

- 27. Which metal is most commonly used in electrical wiring?**
- A. Iron
 - B. Copper
 - C. Lead
 - D. Zinc
- 28. What is the SI unit of force?**
- A. Joule
 - B. Newton
 - C. Watt
 - D. Pascal
- 29. Which machine converts rotational motion into reciprocating motion?**
- A. Gear
 - B. Cam and follower
 - C. Pulley
 - D. Brake
- 30. What is the main function of a transformer?**
- A. Store charge
 - B. Change AC voltage
 - C. Produce heat
 - D. Measure resistance
- 31. Which material is commonly used for house foundations?**
- A. Wood
 - B. Concrete
 - C. Glass
 - D. Rubber
- 32. Which device is used to measure electric current?**
- A. Voltmeter
 - B. Ammeter
 - C. Ohmmeter
 - D. Galvanometer
- 33. What is the unit of power?**
- A. Watt
 - B. Volt
 - C. Ohm
 - D. Ampere

- 34. Which process is used to remove rust from iron?**
- A. Electroplating
 - B. Galvanizing
 - C. Annealing
 - D. Tempering
- 35. Which is the simplest type of civil structure?**
- A. Bridge
 - B. Building
 - C. Road
 - D. Dam
- 36. In a mechanical system, what does a bearing reduce?**
- A. Voltage
 - B. Friction.
 - C. Pressure
 - D. Temperature
- 37. Which tool is used to tighten bolts?**
- A. Hammer
 - B. Screwdriver
 - C. Spanner
 - D. Pliers
- 38. What is the SI unit of frequency?**
- A. Hertz
 - B. Newton
 - C. Joule
 - D. Tesla
- 39. Which component stores electrical energy?**
- A. Resistor
 - B. Capacitor
 - C. Inductor
 - D. Switch
- 40. Which type of cement is commonly used in construction?**
- A. Portland cement
 - B. Gypsum
 - C. Plaster of Paris
 - D. Lime only

- 41. Which law states that $V = IR$?**
- A. Newton's law
 - B. Ohm's law
 - C. Faraday's law
 - D. Kirchhoff's law
- 42. What is the main purpose of a gearbox?**
- A. Increase voltage
 - B. Change speed and torque
 - C. Store fuel
 - D. Measure weight
- 43. Which material is used in reinforced concrete for strength?**
- A. Glass
 - B. Steel
 - C. Wood
 - D. Plastic
- 44. Which electrical device protects against overload?**
- A. Fuse
 - B. Switch
 - C. Fan
 - D. Lamp
- 45. Which is a common component of a plumbing system?**
- A. Pipe
 - B. Wire
 - C. Beam
 - D. Rotor
- 46. Which quantity is measured in ohms?**
- A. Current
 - B. Voltage
 - C. Resistance
 - D. Power
- 47. Which mechanical device lifts heavy loads using a rope and wheel?**
- A. Pulley
 - B. Lever
 - C. Screw
 - D. Wedge

- 48. What is used to provide illumination in a circuit?**
- A. Battery
 - B. Resistor
 - C. Lamp
 - D. Switch
- 49. Which civil material is mainly used for road surfacing?**
- A. Asphalt
 - B. Wood
 - C. Steel
 - D. Plastic
- 50. What does an electric motor convert?**
- A. Electrical energy to mechanical energy
 - B. Heat to light
 - C. Mechanical energy to electrical energy
 - D. Sound to heat
- 51. Which is the smallest country in the world?**
- A. Monaco
 - B. Vatican City
 - C. Maldives
 - D. Nauru
- 52. Who was the first Prime Minister of India?**
- A. Mahatma Gandhi
 - B. Sardar Patel
 - C. Jawaharlal Nehru
 - D. B. R. Ambedkar
- 53. What is the capital of Canada?**
- A. Toronto
 - B. Ottawa
 - C. Vancouver
 - D. Montreal
- 54. Which planet is called the Blue Planet?**
- A. Earth
 - B. Neptune
 - C. Uranus
 - D. Mars

- 55. Which is the fastest land animal?**
A. Lion
B. Tiger
C. Cheetah
D. Leopard
- 56. How many bones are there in the adult human body?**
A. 206
B. 210
C. 196
D. 215
- 57. Which is the longest river in the world?**
A. Amazon
B. Nile
C. Yangtze
D. Mississippi
- 58. Which festival is known as the festival of lights?**
A. Holi
B. Diwali
C. Eid
D. Christmas
- 59. Which is the largest desert in the world?**
A. Sahara
B. Gobi
C. Arabian
D. Antarctic
- 60. Which animal is known as the ship of the desert?**
A. Horse
B. Camel
C. Elephant
D. Donkey
- 61. Which ocean lies between Africa and Australia?**
A. Atlantic
B. Indian
C. Pacific
D. Arctic

- 62. Which metal is liquid at room temperature?**
A. Tron
B. Mercury
C. Aluminium
D. Copper
- 63. Which is the national fruit of India?**
A. Mango
B. Banana
C. Apple
D. Orange
- 64. Who invented the telephone?**
A. Thomas Edison
B. Alexander Graham Bell
C. Newton
D. Edison
- 65. What is the currency of the USA?**
A. Euro
B. Dollar
C. Pound
D. Yen
- 66. Choose the synonym of 'happy'.**
A. Sad
B. Joyful
C. Angry
D. Tired
- 67. Choose the antonym of 'begin'.**
A. Start
B. Open
C. Finish
D. Continue
- 68. Fill in the blank: They playing in the park.**
A. is
B. are
C. was
D. be

69. Choose the correct preposition: The book is the table.

- A. in
- B. on
- C. at
- D. by

70. Identify the verb: 'The bird sings beautifully.'

- A. bird
- B. sings
- C. beautifully
- D. the

71. Choose the correct spelling.

- A. Accomodate
- B. Accommodate
- C. Accommodate
- D. Acomadate

72. Choose the correct indirect speech: He said, 'I am tired.'

- A. He said that he was tired.
- B. He said that I was tired.
- C. He says he is tired.
- D. He said that he is tired.

73. Choose the plural of 'mouse'.

- A. mouses
- B. mice
- C. mousees
- D. mices

74. Fill in the blank: She is interested music.

- A. for
- B. in
- C. on
- D. at

75. Choose the correct sentence.

- A. They has gone home.
- B. They have gone home.
- C. They is gone home.
- D. They gone home.

- 76. Which machine is used to lift water from a well?**
- A. Pump
 - B. Generator
 - C. Compressor
 - D. Turbine
- 77. Which is the SI unit of work?**
- A. Newton
 - B. Joule
 - C. Watt
 - D. Volt
- 78. Which part of a motor rotates?**
- A. Stator
 - B. Rotor
 - C. Commutator
 - D. Brush
- 79. What is the main use of a lathe machine?**
- A. Cutting wood
 - B. Shaping metal workpieces
 - C. Welding pipes
 - D. Measuring current
- 80. Which device converts mechanical energy into electrical energy?**
- A. Motor
 - B. Generator
 - C. Transformer
 - D. Battery
- 81. Which material is commonly used for beams in construction?**
- A. Steel
 - B. Paper
 - C. Rubber
 - D. Clay
- 82. Which instrument measures voltage?**
- A. Ammeter
 - B. Voltmeter
 - C. Wattmeter
 - D. Ohmmeter

- 83. What is the unit of electric charge?**
- A. Coulomb
 - B. Newton
 - C. Volt
 - D. Ampere
- 84. Which process is used to join two metal pieces permanently?**
- A. Cutting
 - B. Welding
 - C. Drilling
 - D. Painting
- 85. Which structure is designed to carry vehicles over a river?**
- A. Tunnel
 - B. Bridge
 - C. Dam
 - D. Canal
- 86. Which component opposes current in a circuit?**
- A. Capacitor
 - B. Resistor
 - C. Inductor
 - D. Battery
- 87. Which device is used to store water in a building?**
- A. Pipe
 - B. Tank
 - C. Valve
 - D. Tap
- 88. Which type of force acts when two surfaces rub against each other?**
- A. Magnetic
 - B. Frictional
 - C. Centrifugal
 - D. Electrostatic
- 89. Which electrical component allows current to flow in one direction only?**
- A. Diode
 - B. Resistor
 - C. Capacitor
 - D. Switch

- 90. Which cement test checks fineness?**
- A. Sieve test
 - B. Slump test
 - C. Compression test
 - D. Impact test
- 91. What is the function of a clutch in a vehicle?**
- A. Stop engine
 - B. Connect and disconnect power
 - C. Increase fuel
 - D. Cool the engine
- 92. Which is used to measure current directly?**
- A. Voltmeter
 - B. Ammeter
 - C. Barometer
 - D. Thermometer
- 93. What is the main material in electrical cable insulation?**
- A. PVC
 - B. Iron
 - C. Copper
 - D. Aluminium
- 94. Which structure helps retain soil and prevent erosion?**
- A. Retaining wall
 - B. Roof
 - C. Floor
 - D. Column
- 95. Which tool is used for marking straight lines in carpentry and construction?**
- A. Compass
 - B. Chalk line.
 - C. Drill
 - D. File
- 96. Which quantity is measured in watts?**
- A. Energy
 - B. Power
 - C. Pressure
 - D. Resistance

97. Which mechanical part transfers motion between shafts?

- A. Gear
- B. Battery
- C. Fuse
- D. Valve

98. Which device converts AC to DC?

- A. Rectifier
- B. Inverter
- C. Transformer
- D. Motor

99. What is the main material used in road concrete?

- A. Cement
- B. Sugar
- C. Salt
- D. Glass

100. Which type of current is supplied in homes?

- A. DC
- B. AC
- C. Static
- D. None



- Rough Work -