

Important Instructions :

1. The test is of **1 hour 40 minutes** duration and the Test Booklet contains **100** multiple-choice questions (four options with a single correct answer) from **Mathematics, Science and General Knowledge**.
2. Each Question carries **4** marks. For each correct response, the candidate will get **4** marks. For each incorrect response, **one** mark will be deducted from the total scores. **The maximum marks are 400**.
3. Use **Blue/Black Ball Point Pen only** for marking responses on Answer Sheet.
4. Rough work is to be done in the space provided for this purpose in the Test Booklet only.
5. On completion of the test, the candidate **must hand over the Answer Sheet to the Invigilator** before leaving the Room/Hall. The candidates are allowed to take away this Test Booklet with them.
6. The candidates should ensure that the Answer Sheet is not folded. Do not make any stray marks on the Answer Sheet. Do not write your Roll No. anywhere else except in the specified space in the Answer Sheet.
7. Use of white fluid for correction is **NOT** permissible on the Answer Sheet.
8. The candidates should not leave the Examination Hall without handing over their Answer Sheet to the Invigilator on duty.
9. Use of Electronic/Manual calculator is prohibited.
10. Use of any unfair means shall amount to disqualification.

Note:-

For Official Answer Keys & Result , do visit our website : wearehere.org.in

Name of the Candidate : _____

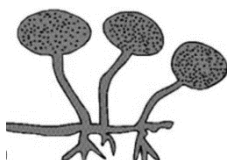
Roll Number : _____ Candidate's Signature : _____

SECTION A (SCIENCE)**1. Which of the following reproduce inside the cells of host organism**

- a) Bacteria
- b) Fungi
- c) Algae
- d) Virus

2. Typhoid and tuberculosis are

- a) Fungal diseases
- b) Viral diseases
- c) Bacterial diseases
- d) Soil borne diseases

3. The figure below is a

- a) Fungi
- b) Algae
- c) Protozoa
- d) Virus

4. Identify the correct statement/s given below

- i) The process of conversion of sugar into alcohol is known as fermentation
- ii) In the preparation of alcohol, sugar is converted into alcohol by yeast
- iii) Bacteriophage is a bacteria which causes diseases in humans
- iv) Microorganisms can be seen with the naked eyes

- a) (i) & (iii)
- b) only (i)
- c) (i) & (ii)
- d) (ii) & (iv)

5. The vaccine for small pox was discovered by

- a) Louis pasture
- b) Alexander fleming
- c) Edward jenner
- d) Aristotle

6. Mode of transmission for chicken pox is

- a) Air/water
- b) Soil
- c) Air/contact
- d) Water

23. Acid rain is formed due to dissolution of _____ in rain water

- a) Oxides of nitrogen & sulphur
- b) Oxides of nitrogen & carbon
- c) Oxides of carbon & sulphur
- d) None of the above

24. The features of an ideal fuel is/are

- a) It is readily combustible & is cheap
- b) It is readily available & easy to carry
- c) Both (a) & (b)
- d) None of the above

25. The area where animals are protected from any disturbances to them & their habitat is called

- a) Biosphere reserve
- b) National park
- c) Wildlife sanctuary
- d) Wet land

26. The species which are found exclusively in a particular area

- a) Extinct species
- b) Endemic species
- c) Endangered species
- d) None of the above

27. The animals which are about to face extinction and their number is decreasing are called

- a) Endangered species
- b) Extinct species
- c) Endemic species
- d) None of the above

28. A source book which keep record of all the plants and animals that are endangered

- a) Data book
- b) World animal record book
- c) Red book
- d) Red data book

29. Which of the following option is incorrect

- a) Endangered species are those which are facing danger to extinction
- b) Red data book contains a record of endemic species
- c) Endemic species are found in a specific area
- d) The restocking of destroyed forests by planting new trees is Reforestation

30. The wetland in Kashmir known by the name "The queen of wetlands" is named as

- a) Kranchu wetland
- b) Wular lake
- c) Dal lake
- d) Hokersar wetland

31. The variety of living organisms in a specific area is called

- a) Diversity
- b) Biodiversity
- c) Succession
- d) Uniformity

32. The reduction in rainfall could cause

- a) Droughts
- b) Cold
- c) Greenery
- d) NOT

33. The hearing range of human ear is

- a) 20 Hz to 20,000 Hz
- b) Less than 20 Hz
- c) More than 20,000 Hz
- d) 20 Hz to 28,000 Hz

34. Speed is

- a) $\frac{\text{distance travelled}}{\text{time}}$
- b) $\frac{\text{time}}{\text{distance travelled}}$
- c) Distance x time
- d) Time + distance

35. A pendulum oscillates 20 times in 4 seconds. Find its time period

- a) 0.005 sec
- b) 0.001 sec
- c) 0.2 sec
- d) 0.1 sec

36. The force exerted by earth to pull the objects towards itself is called

- a) Electrostatic force
- b) Gravitational force
- c) Muscular force
- d) contact force

37. When two forces act in opposite directions, the net force acting is the

- a) Sum of the forces
- b) difference between the forces
- c) both of these
- d) none of these

38. Pressure is

- a) Force x distance
- b) force x area
- c) $\frac{\text{force}}{\text{area}}$
- d) NOT

39. Unit of pressure is

- a) Newton
- b) Candela
- c) Kelvin
- d) Pascal

40. Kilogram weight is equal to

- a) 98 N
- b) 9.8 N
- c) 0.98 N
- d) 0.098 N

66. If a coin is flipped in the air , what is the probability of getting a tail?
a) 1/3 b) 1/5 c) 0.2 d) 0.5
67. If a dice is thrown , what is the probability of getting neither prime nor composite number?
a) 1/2 b) 1/6 c) 1/5 d) 0
68. What is the range of probability ?
a) -1 to +1 b) -2 to +2
c) $-\infty$ to $+\infty$ d) 0 to 1
69. Which is the smallest even composite number?
a) 2 b) 4 c) 6 d) 8
70. What is the sum of all the angles of a trapezium?
a) 180° b) 270° c) 360° d) 90°

SECTION C (G.K)

71. The tropic of cancer does not pass through
a) Madhya Pradesh b) Mizoram
c) Bihar d) Gujrat
72. Who is the 14th Prime Minister of India ?
a) Dr. Manmohan Singh
b) Atal Bihari Vajpayee
c) Narendra Modi
d) Jawahar Lal Nehru
73. Which of the following is the “State Butterfly” of Jammu & Kashmir?
a) Monarch Butterfly b) Blue pansy
c) Green hair streak d) Julia Butterfly
74. Which of the following is largest tributary of River Indus?
a) Chenab b) Sutlej
c) Jhelum d) Ravi
75. Which of the following Batsman has completed 100 centuries across all formats in the history of cricket ?
a) Viv Richards b) Brian Lara
c) Sachin Tendulkar d) Ricky Ponting
76. WHO stands for
a) World Hierarchy Organization
b) World Health Organization

- c) World Heritage Organization
d) NOT
77. How many Megabytes(MB) are there in 1 Gigabyte(GB)?
a) 1000 b) 1200 c) 1050 d) 1024
78. Who was the last Governor of state J&K ?
a) Manoj Sinha b) Satyapal Malik
c) G.C Murmu d) N.N Vohra
79. Tropic of Cancer is the imaginary line at
a) $23.5^\circ N$ b) $23.5^\circ S$ c) $23.5^\circ E$ d) $23.5^\circ W$
80. Which of the following countries, India shares its longest land border with
a) Pakistan b) China c) Nepal d) Bangladesh
81. The eastern most longitude of India is
a) $68.7^\circ E$ b) $82.32^\circ E$
c) $97.25^\circ E$ d) $77.6^\circ E$
82. “World Day against Child Labour” is celebrated on
a) 05 July b) 10 May
c) 12 September d) 12 June
83. Who is the current president of India?
a) Droupadi Murmu
b) Pranam Mukherjee
c) Ram Nath Kovind
d) Pratibha Devisingh Patil
84. 1 U.S Dollar is equal to _____ Rupees.
a) 80 b) 85 c) 83 d) 90
85. Full Form of WWW is
a) World Weird Web b) World Wide Web
c) Working Word Web d) NOT
86. Who was the last “Sadhri Riyasat” & first Governor of J&K ?
a) Sheikh Mohammad Abdullah
b) Mehr Chand Mahajan
c) Dr. Karan Singh
d) Bakshi Ghulam Mohammad
87. How many districts are there in UT of J&K?
a) 22 b) 24 c) 21 d) 20

88. What is the full form of LED ?

- a) Light Emitting Diode
- b) Light Emitting Device
- c) Light Emerging Diode
- d) Light Emerging Device

89. Which of the following is not among the Folk Dances of jammu & Kashmir ?

- a) Rouf Dance
- b) Dumhal Dance
- c) Kud Dance
- d) Kuchipadi Dance

90. Which Lens is used in Torch ?

- a) Convex
- b) Concave
- c) Both a & b
- d) NOT

91. Gulmarg is also known as

- a) Meadow of Flowers
- b) Meadow of mountains
- c) meadow of Snow
- d) Death Meadow

92. "Betaab valley" is situated in which district ?

- a) Srinagar
- b) Kulgam
- c) Shopian
- d) Anantnag

93. Hari Parbat is also known as

- a) Kooh-e-Maran
- b) Siraj bagh
- c) Shankaracharya Hills
- d) NOT

94. Who is the father of Medicine ?

- a) Aristotle
- b) Hippocrates
- c) Charles Darwin
- d) Einstein

95. Earth is present in which of the following Galaxy?

- a) Milky Way Galaxy
- b) Andromeda Galaxy
- c) Sombrero Galaxy
- d) Tadpole Galaxy

96. Which of the following Scientist was also the president of India ?

- a) Srinivasa Ramanujan
- b) Aryabhata
- c) APJ Abdul Kalam
- d) C.V Raman

97. Who is the father of Indian constitution?

- a) Dr. Rajendra Prasad
- b) Jawahar Lal Nehru
- c) Lal bahadur Shastri
- d) Dr. B.R Ambedkar

98. Who is the writer of Book "Raj Tarangini" ?

- a) Rabindranath Tagore
- b) Kalhana
- c) Narayan R.K
- d) Amir Khusrow

99. Dandi March is also known as

- a) Satyagraha
- b) Non-Cooperation Movement
- c) Chipko Andolan
- d) Quit india Movemont

100. Gandhi jayanti is celebrated on

- a) 03 October
- b) 04 October
- c) 02 October
- d) 05 October