

2008
TEST BOOKLET
GENERAL STUDIES AND MATHEMATICS

Time allowed : 1½ hours

Full marks : 100

**BOOKLET
GROUP**



Questions are of equal Mark

Serial No. 00898.....

Roll No.

Full Signature of the Candidate :

INSTRUCTIONS

Candidates should read the following instructions carefully before answering the questions :

1. This booklet consists of 16 pages including this front page. Verify the page Nos. and Group on each page and bring at once to the Invigilator's notice, discrepancy, if any.
2. Answer will have to be given in the Answer-Sheet supplied for the purpose.
3. You should write your Roll No. & Full Signature on this page (where directed) and Full name, Roll No., Centre of Examination, Booklet Group & Full Signature with date (where indicated) on the Answer-Sheet in Ball Point Pen.
4. All questions are of multiple-choice answer type. You will find your probable answers (A), (B), (C) & (D) against each question. Find out which of the four answers appears to you to be correct. NOW DARKEN COMPLETELY WITH HB PENCIL WITHIN THE OVAL BELOW THE LETTER OF THE SELECTED ANSWER IN THE ANSWER-SHEET AS SHOWN HERE UNDER :

Example— Question : Kolkata is the capital city of-

(A) Bihar (B) Assam (C) Orissa (D) West Bengal

Answer : (A) (B) (C) (D)

5. i) If you have already marked a wrong answer, erase the oval completely and darken afresh within the correct oval.
ii) If more than one oval is darkened for a particular answer it will be treated as an incorrect/wrong answer.
iii) Any sign other than complete darken inside the oval will be treated as incorrect/wrong answer.
6. There are 100 questions carrying 1 (one) mark each.
7. THERE WILL BE NO NEGATIVE MARKING FOR ANY INCORRECT/WRONG ANSWER.
8. There are extra blank pages at the end of this booklet for rough work. Roll No. & Group should be given on the sheet used for rough work. The sheet should not be torn out from the Test Booklet.
9. Candidates are not allowed to use Calculator, Pager and Mobile Phone or any other type of electronic gadget of communication in the Examination Hall.
10. The Entire Set (Answer-Sheet & Test Booklet including used/unused extra pages) should be handed over to the Invigilator before leaving the Examination Hall.
11. You are warned against adoption of any unfair means at the examination. Any report in this behalf from Centre Supervisors or Examiners may lead to instant cancellation of your examination and debarment from appearing in future examinations/selections.

1. What is the percentage of India's population to the World's population :
- (A) 14.28 p.c.
- (B) 16.87 p.c.
- (C) 21.57 p.c.
- (D) 12.39 p.c.
2. Which of the following properties are most desirable for a cooking pot?
- (A) High specific heat capacity and low conductivity
- (B) Low Specific heat capacity and high conductivity
- (C) High specific heat capacity and high conductivity
- (D) Low specific heat capacity and low conductivity
3. National Rural Employment Guarantee Scheme was launched on :
- (A) Jan 1, 2005
- (B) Oct 2, 2004.
- (C) Jan 1, 2006
- (D) Oct 2, 2005
4. Three are in the ratio 2 : 3 : 7. If their LCM is 714, then the greater one is :
- (A) 85
- (B) 119
- (C) 136
- (D) 153
5. In which compartment of human heart oxygenated blood is received?
- (A) Right auricle
- (B) Right ventricle
- (C) Left auricle
- (D) Left ventricle
6. The cause of night blindness is due to deficiency of
- (A) Vitamin A
- (B) Vitamin E
- (C) Vitamin K
- (D) Vitamin D
7. A train 100 metres long passes a platform 100 metres long in 10 seconds. the speed of the train is :
- (A) 70 km/hr
- (B) 30 km/hr
- (C) 65 km/hr
- (D) 72 km/hr
8. India emerged as a Sovereign Democratic Republic in the year
- (A) 1947
- (B) 1948
- (C) 1949
- (D) 1950

9. How many districts are there in West Bengal?
- (A) 18
- (B) 19
- (C) 20
- (D) 21
10. If 15 men working 8 hours a day complete a work in 10 days, how many days would 12 men take to complete the job, working 9 hrs a day.
- (A) $11\frac{1}{9}$ days.
- (B) 12 days
- (C) 11 days
- (D) $11\frac{2}{9}$ days
11. From which part of an atom does beta particle come?
- (A) K shell
- (B) M shell
- (C) Nucleus
- (D) Outside the nucleus
12. What is the force acting on a body of mass 1 kg moving with an acceleration of 1 m per sec²?
- (A) 1 dyne
- (B) 1 Newton
- (C) 1 Pascal
- (D) 1 Torr
13. Of the following persons who received Nobel Prize in Economics?
- (A) Md. Yunus
- (B) Sir C.V. Raman
- (C) Mother Teresa
- (D) Amartya Sen
14. Soda Water contains :
- (A) Carbonic Acid
- (B) Sulphuric Acid
- (C) Carbonytic Acid
- (D) Nitrus Acid
15. How would you separate a mixture of mustard oil and water?
- (A) by sublimation
- (B) by frational distillation
- (C) by decantation
- (D) by separating funnel
16. Purpose of land reforms of the Government was :
- (A) abolishing ownership rights of non-cultivating landlords
- (B) Making the ownership rights of land lords secure
- (C) Controlling land prices
- (D) Regulating land use.
17. Dispute over sharing of Kavery river water exists between :
- (A) Andhra Pradesh and Karnataka
- (B) Karnataka and Kerala
- (C) Andhra Pradesh and Tamil Nadu
- (D) Tamil Nadu and Karnataka.
18. The least populated state in India is
- (A) Goa
- (B) Sikkim
- (C) Manipur
- (D) Arunachal Pradesh

19. Pick out the synonym of 'Terrific'
- (A) Big
- (B) Excellent
- (C) Tragic
- (D) Terrible
20. Who determined the boundary between India and Pakistan?
- (A) Lord Mountbaton
- (B) Sir Radcliff
- (C) Sir Cripps
- (D) Sir McMohan
21. Which of the following states has the largest area?
- (A) Madhya Pradesh
- (B) Uttar Pradesh
- (C) Rajasthan
- (D) Maharastra
22. 'Rajtarangini' is written by
- (A) Banbhatta
- (B) Kalhan
- (C) Sandhyakarnandi
- (D) Chanakya
23. The 'Quit India Movement' started in
- (A) 1932
- (B) 1930
- (C) 1942
- (D) 1945
24. Doctor advises to take 6 tablets at an interval of half hour. How much time it will take to consume all the tablets after the first one is taken.
- (A) 3 hours
- (B) 3 ½ hours
- (C) 2 ½ hours.
- (D) 2 hours
25. Which one of the following is not a feature of the Indian Constitution
- (A) Federal Government
- (B) Parliamentary Government
- (C) Presidential Government.
- (D) Independence of Judiciary
26. Which of the following is known as 'Manchester' of India?
- (A) Pune
- (B) Ahmedabad
- (C) Bangalore
- (D) Kota
27. What is measured in 'Richter Scale'?
- (A) Wind velocity
- (B) Earthquake intensity
- (C) Depth
- (D) Intensity of light

28. Considering the English alphabet, what will come in place of the question mark ?
BZA, DYE, GXI, KWM, ?
(A) NUQ
(B) OVT
(C) PVQ
(D) DVR
29. Find out the odd man in the Company of
(A) Glenn Macgrath.
(B) Shane Warne
(C) Anil Kumble
(D) Harbhajan Singh
30. Dola Banerjee won World Cup in Dubai recently in
(A) Weight lifting
(B) Archery
(C) Football
(D) Swimming
31. The film 'Kailase Kelenkari' was directed by
(A) Tapan Sinha
(B) Anjan Chowdhury
(C) Sandip Roy
(D) Aparna Sen
32. Granite is an example of
(A) Plutonic rock
(B) Hypabyssal
(C) Chemically formed rock
(D) Metamorphic rock
33. A place located at Greenwich meridian should have its antipode on -
(A) 180° E
(B) 180° W
(C) 180°
(D) 90°
34. The duration of the Rajya Sabha is
(A) 2 years
(B) 5 years.
(C) 4 years
(D) Of permanent nature
35. The Chief Justice of High Court is appointed by :
(A) The government of the State
(B) The President of India.
(C) The Chief Minister of the State
(D) The Chief Justice of India
36. Of the following Indian Cricket players, who played his 100th Test match in Melbourne?
(A) Virendra Sehwag
(B) Yubaraj Singh
(C) Sourav Ganguly
(D) Anil Kumble
37. Where is 'Golkunda Fort' situated?
(A) Allaahabad
(B) Agra
(C) Hyderabad
(D) Joypur

38. All the living beings of land, water and air on earth constitute
- (A) Biosphere
 - (B) Lithosphere
 - (C) Atmosphere
 - (D) Hydrosphere
39. Mirage is formed in the desert due to
- (A) reflection of light only
 - (B) refraction of light only
 - (C) Total internal reflection of light
 - (D) dispersion of light
40. The alkaloid type excretory product of Cinchona plant is
- (A) Resorpin
 - (B) Morphin
 - (C) Nictotin
 - (D) Quinine
41. Gandhiji started Satyagraha in 1919 in protest against
- (A) Salt Law
 - (B) Rowlat Act
 - (C) Act of 1909
 - (D) Jalinwalabagh massacre
42. The British Government shifted its capital from Kolkata to Delhi in
- (A) 1906
 - (B) 1911
 - (C) 1912
 - (D) 1919
43. The goal of the Sarva Shiksha Abhiyan is to
- (A) achieve universal enrolment
 - (B) ensure universal retention
 - (C) provide quality education
 - (D) all of these.
44. Sepoy Mutiny in 1857 started at :
- (A) Barrackpore
 - (B) Kanpur
 - (C) Meerut.
 - (D) Lucknow
45. The vitamin synthesised in the human skin is
- (A) Vitamin K
 - (B) Vitamin A
 - (C) Vitamin B
 - (D) Vitamin D
46. The locomotory organ of earthworm is
- (A) setae
 - (B) flagella
 - (C) cilia
 - (D) pseudopodia
47. The principle of Satyagraha :
- (A) Non-violence
 - (B) Truthfulness
 - (C) Fearlessness
 - (D) All of these.

48. What can be the maximum gap between two sessions of the Parliament :
- (A) six months.
- (B) one year
- (C) 100 days
- (D) 15 weeks
49. The Steel City of West Bengal is
- (A) Asansol
- (B) Raniganj
- (C) Durgapur
- (D) Kharagpur
50. The number of chromosomes in human somatic cell is
- (A) 46 pairs
- (B) 22 pairs
- (C) 23 pairs
- (D) 24 pairs
51. 2008 Olympic games will be hosted by
- (A) China
- (B) Japan
- (C) Malaysia
- (D) England
52. 'Teachers Day' is observed in the country every year on
- (A) 5th June
- (B) 5th September
- (C) 14th November
- (D) 25th December
53. The following four liquids with same temperature and mass were placed under the sun. In which maximum heat energy will be stored?
- (A) Milk
- (B) Water
- (C) Coconut-oil
- (D) Date-juice
54. In which type of 'Lever' the fulcrum lies between the load and effort?
- (A) First Class
- (B) Second Class
- (C) Third Class
- (D) None of these
55. Pongal - a joyous harvest festival celebrated annually in the state
- (A) Maharashtra
- (B) Andhra Pradesh
- (C) Karnataka
- (D) Tamil Nadu
56. DVC Project is a joint venture undertaken by
- (A) Bihar, West Bengal & Central Government
- (B) Assam, West Bengal & Orissa
- (C) Bihar, West Bengal & Orissa
- (D) MP, UP & Central Government

57. Which of the oceans touches the shores of Asia one side and that of America on the other.
- (A) Pacific ocean
- (B) Indian ocean.
- (C) Atlantic ocean.
- (D) Antartic ocean.
58. Ruhr complex is a major industrial centre in :
- (A) United Kingdom
- (B) United States of America
- (C) Germany
- (D) Russia
59. A poem written on the death of someone loved is called :
- (A) Ode
- (B) Epic
- (C) Sonnet
- (D) Elegy
60. A thing liable to be easily broken
- (A) Breakable
- (B) Ductile
- (C) Brittle
- (D) Delicate
61. Typhoid is caused by
- (A) Escherichia
- (B) Giar
- (C) Salmonella
- (D) Shigella
62. Where does one-horned rhinoceros live in India?
- (A) Corbette National Park
- (B) Kaziranga National Park
- (C) Hazaribagh National Park
- (D) Simlipal National Park
63. To become a member of Lok Sabha in our Country the minimum age is
- (A) 21 years
- (B) 25 years
- (C) 35 years
- (D) 40 years
64. The name of Rohan Bopanna is associate with
- (A) Football
- (B) Cricket
- (C) Hockey
- (D) Tennis
65. President's rule can be imposed in a State for a maximum period of :
- (A) 6 months
- (B) 1 year
- (C) 2 years.
- (D) 3 years.
66. Temperature at the core of the earth is about
- (A) 20000°C
- (B) 2000°C.
- (C) 200° C
- (D) 1200° C

67. According to international colour coding of electric wire the live wire should be
- (A) Brown
- (B) Blue
- (C) Green
- (D) Yellow
68. Which of the following metals is liquid at normal temperature ?
- (A) Mercury
- (B) Calcium
- (C) Lead
- (D) None of the above
69. Who was never a Mayor of Kolkata Municipal Corporation ?
- (A) Asoke Bhattacharya
- (B) Bikash Ranjan Bhaattacharya
- (C) Subrata Mukhopadhyay
- (D) Prasanta Chatterjee
70. National Income is :
- (A) Income of the Government
- (B) Budget of the Government
- (C) Sum total of factor incomes.
- (D) Profit of the Public undertakings
71. Who of the following ruled for the longest period in India?
- (A) Akbar
- (B) Shahjahan
- (C) Jahangir
- (D) Babar
72. Who wrote the song 'Saare Jahanse Acchha'?
- (A) Iqbal
- (B) Ghalib
- (C) Bankim Chandra Chattopadhyay
- (D) Kaiffee Azari
73. Select appropriate word to fill in the blank of the following sentence.
Abstain _____ doing wrong things.
- (A) with
- (B) of
- (C) from
- (D) to
74. The title 'Vikramaditya' was assumed by
- (A) Ashoka
- (B) Chandragupta II
- (C) Kanishka
- (D) Samudragupta
75. Who was the first Indian to be the member of British Parliament?
- (A) W.C. Banerjee
- (B) M. Malbari
- (C) Dadabhai Naoraji
- (D) D.N. Wacha
76. Ram was born when his father was 31 years old. Ram married at the age of 30 years and that was 11 years ago. How old is Ram's father now?
- (A) 72 years.
- (B) 69 years
- (C) 74 years
- (D) 75 years

57. Which of the oceans touches the shores of Asia one side and that of America on the other.
- (A) Pacific ocean
- (B) Indian ocean.
- (C) Atlantic ocean.
- (D) Antartic ocean.
58. Ruhr complex is a major industrial centre in :
- (A) United Kingdom
- (B) United States of America
- (C) Germany
- (D) Russia
59. A poem written on the death of someone loved is called :
- (A) Ode
- (B) Epic
- (C) Sonnet
- (D) Elegy
60. A thing liable to be easily broken
- (A) Breakable
- (B) Ductile
- (C) Brittle
- (D) Delicate
61. Typhoid is caused by
- (A) Escherichia
- (B) Giar
- (C) Salmonella
- (D) Shigella
62. Where does one-horned rhinoceros live in India?
- (A) Corbette National Park
- (B) Kaziranga National Park
- (C) Hazaribagh National Park
- (D) Simlipal National Park
63. To become a member of Lok Sabha in our Country the minimum age is
- (A) 21 years
- (B) 25 years
- (C) 35 years
- (D) 40 years
64. The name of Rohan Bopanna is associate with
- (A) Football
- (B) Cricket
- (C) Hockey
- (D) Tennis
65. President's rule can be imposed in a State for a maximum period of :
- (A) 6 months
- (B) 1 year
- (C) 2 years.
- (D) 3 years.
66. Temperature at the core of the earth is about
- (A) 20000°C
- (B) 2000°C.
- (C) 200° C
- (D) 1200° C

67. According to international colour coding of electric wire the live wire should be
- (A) Brown
- (B) Blue
- (C) Green
- (D) Yellow
68. Which of the following metals is liquid at normal temperature ?
- (A) Mercury
- (B) Calcium
- (C) Lead
- (D) None of the above
69. Who was never a Mayor of Kolkata Municipal Corporation ?
- (A) Asoke Bhattacharya
- (B) Bikash Ranjan Bhaattacharya
- (C) Subrata Mukhopadhyay
- (D) Prasanta Chatterjee
70. National Income is :
- (A) Income of the Government
- (B) Budget of the Government
- (C) Sum total of factor incomes.
- (D) Profit of the Public undertakings
71. Who of the following ruled for the longest period in India?
- (A) Akbar
- (B) Shahjahan
- (C) Jahangir
- (D) Babar
72. Who wrote the song 'Saare Jahanse Acchha'?
- (A) Iqbal
- (B) Ghalib
- (C) Bankim Chandra Chattopadhyay
- (D) Kaiffee Azizi
73. Select appropriate word to fill in the blank of the following sentence.
- Abstain _____ doing wrong things.
- (A) with
- (B) of
- (C) from
- (D) to
74. The title 'Vikramaditya' was assumed by
- (A) Ashoka
- (B) Chandragupta II
- (C) Kanishka
- (D) Samudragupta
75. Who was the first Indian to be the member of British Parliament?
- (A) W.C. Banerjee
- (B) M. Malbari
- (C) Dadabhai Naoraji
- (D) D.N. Wacha
76. Ram was born when his father was 31 years old. Ram married at the age of 30 years and that was 11 years ago. How old is Ram's father now?
- (A) 72 years.
- (B) 69 years
- (C) 74 years
- (D) 75 years

77. AIDS virus is transmitted through
- (A) Saliva
- (B) Sweat
- (C) Blood
- (D) Urine
78. Select appropriate word to fill in the blank of the following sentence.
I agree _____ you on this point.
- (A) with
- (B) to
- (C) from
- (D) at
79. What is the synonym of 'Dilligent'?
- (A) Intelligent
- (B) Energetic
- (C) Modest
- (D) Industrious
80. 'Banaphul' was the nickname of
- (A) Samaresh Basu
- (B) Balai Chand Mukhopadhyay
- (C) Achintya Sengupta
- (D) Sunil Gangopadhyay
81. Choose the opposite word of 'magnify'?
- (A) Shrink
- (B) Destroy
- (C) Induce
- (D) Diminish
82. Who was the Governor General of India during partition of Bengal in 1905?
- (A) Lord Hastings
- (B) Lord Curzon
- (C) Lord Canning
- (D) Lord Ripon
83. What is the name of air pollutant gas formed in goldsmith's workshop?
- (A) Nitrogen dioxide
- (B) Carbon dioxide
- (C) Methane
- (D) Sulphur dioxide
84. Which of the following sentences is correct?
- (A) You, I and he have made this model.
- (B) I, you and he have made this model.
- (C) You, he and I have made this model.
- (D) He, I and you have made this model.
85. 'Zizia' was re-imposed during the reign of
- (A) Akbar
- (B) Shahjahan
- (C) Aurangazeb
- (D) Humayun
86. Who gave the title 'Sardar' to Ballavbhai Patel?
- (A) Rabindranath Tagore
- (B) Mahatma Gandhi
- (C) Jawaharlal Nehru
- (D) Moulana A.K. Azad

87. Length of the rectangular field is increased by 20% and the breadth is decreased by 20%. The percentage change in the area of the field is :
- (A) NIL
- (B) 4% increase
- (C) 5% decrease
- (D) 4% decrease
88. Which of the following takes longest time to go once around the sun?
- (A) Uranus
- (B) Jupiter
- (C) Neptune
- (D) Pluto
89. Which of the following is a great circle?
- (A) Tropic of Cancer
- (B) Tropic of Capricorn
- (C) Equator
- (D) Polar Circle
90. Which class of lever is human hand?
- (A) First class
- (B) Second class
- (C) Third class
- (D) Not a lever at all
91. What will be angle of deviation of a ray of light which is incident on a plane mirror at an angle of 60° .
- (A) 30°
- (B) 60°
- (C) 90°
- (D) 120°
92. What is the opposite word of 'Moist'?
- (A) Parched
- (B) Dry
- (C) Hard
- (D) Crisp
93. Which of the following is not an electrolyte?
- (A) Hydrochloric acid
- (B) Caustic soda solution
- (C) Sugar solution
- (D) Common salt solution
94. PVC is a polymer of
- (A) Ethene
- (B) Chloro ethene
- (C) Tetraflouro ethene
- (D) Chloroflouro ethene
95. Which of the following in India is the highest tea producing state?
- (A) West Bengal
- (B) Assam
- (C) Kerala
- (D) Karnataka
96. An atom of an element contain x number of neutrons and 8 protons. The element may be an isotope of
- (A) Carbon
- (B) Oxygen
- (C) Nitrogen
- (D) Neon

97. The eastern coast of India is known as
- (A) Eastern plateau
 - (B) Coromandal Coast
 - (C) Cyclonic Coast
 - (D) Bengal Coast
98. 'Jantar-Mantar' located in Delhi, constructed in 1724 during Maharaja Jai Singh II is
- (A) a palace
 - (B) a laboratory
 - (C) an observatory
 - (D) a Temple
99. The day of vernal equinox is -
- (A) 21st June
 - (B) 21st March
 - (C) 21st September
 - (D) 21st December
100. What type of climate is known for the minimum range of annual rainfall?
- (A) Monsoon
 - (B) Equitorial
 - (C) Tropical desert
 - (D) Mediterranean
-