



# Sriram Institute of Marine Studies

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## ENTRANCE TEST for GP RATING

**Time: 1 Hr**

**Total Mark: 75**

(Answer All Questions)

### Reasoning

- 3, 6, 11, ?, 27, 38  
(a) 15 (b) 18 (c) 21 (d) 25 (e) None
- 4, 9, 6, 13, \_\_\_\_, \_\_\_\_, 10, 21  
(a) 8, 17 (b) 10, 14 (c) 7, 15 (d) 14, 15 (e) None
- A, E, I, ?, U  
a) M (b) Q (c) O (d) T (e) None
- 4, 16, ?, 64, 100  
(a) 20 (b) 36 (c) 48 (d) 50 (e) None
- 4, 16, ?, 64, 100  
(b) 20 (b) 36 (c) 48 (d) 50 (e) None

### Mathematics

- Akshay bought 2kg tomato @ Rs. 30/kg, 1kg pumkin @ Rs. 20/kg, 5kg potato @ Rs. 15/kg, 8kg banana @ Rs. 24/kg. He is now remaining with Rs. 50. How much money did he carry from home?  
(a) Rs. 100 (b) Rs. 250 (c) Rs. 397 (d) Rs. 347
- Find the greatest number which will divide 348, 534 & 596 leaving the remainder same in each case?  
a) 62 (b) 31 (c) 72 (d) None
- In an orchard  $\frac{1}{3}$  of the trees are orange trees,  $\frac{1}{3}$  of the rest are mango trees and the rest are apple trees which are 88 in nos. How many trees are there in the orchard?  
a) 176 (b) 264 (c) 198 (d) None
- What will be the amount payable after 2years if Rs. 10,000 is borrowed @10% compound interest?  
a) Rs. 12,000 (b) Rs. 12,100 (c) Rs. 13,100 (d) Rs. None

10.  $\frac{(i-\sqrt{3})}{(1+\sqrt{3}i)} = ?$   
a)  $\sqrt{3}$  (b)  $i$  (c) 4 (d) None
11. In a factory there are 30 men & 20 women employees. If the average salary of men is Rs. 4050 & that of all employees is Rs. 3550, what is the average salary of all women?  
a) Rs. 3,800 (b) Rs. 3,300 (c) Rs. 3,000 (d) Rs. 2,800
12. What is the value of:  $\cos 10^\circ + \cos 110^\circ + \cos 130^\circ$   
a) -1 (b) 0 (c) 1 (d) 2
13. How many bricks of dimension  $6 \times 4 \times 2 \text{ cm}^3$  can be made from a cubicle  $12 \times 4 \times 10 \text{ cm}^3$   
a) 10 (b) 5 (c) 4 (d) 20
14. What is the smallest natural number 'n' such that  $n!$  is divisible by 990.  
a) 9 (b) 11 (c) 33 (d) 99
15. The diagonal of a rectangle is thrice its smaller side. The ratio of its sides is:  
a)  $\sqrt{2}:1$  (b) 4:1 (c) 2:1 (d)  $2\sqrt{2}:1$  (e) None

### General Knowledge

16. Name of the Hollywood movie released recently: based on a famous video game?  
a) Harry potter (b) Prince of Persia (c) Spy Kids (d) Kites
17. What is the currency of Japan?  
a) Dollar (b) Pound (c) Yen (d) Rupee
18. Which country is the winner of ICC Women's T20 world Cup - 2010?  
a) India (b) England (c) Australia (d) New Zealand
19. The National Game of India is?  
a) Kabaddi (b) Cricket (c) Hockey (d) Kho Kho

### Merchant Navy

20. Headquarters of the Directorate General of Shipping, Govt. of India is located at:  
a) Kochin (b) New Delhi (c) Mumbai (d) None
21. Name the first central university of India formed with objective of marine education:  
a) Indian Maritime University  
b) National Maritime university  
c) Indira Gandhi National Open University  
d) Indian University of Shipping & Marine

22. National Maritime Day is celebrated on:
- a) 1<sup>st</sup> April      (b) 25<sup>th</sup> January      (c) 5<sup>th</sup> April      (d) 25<sup>th</sup> September
23. Which of the followings is not a port on the Arabian Sea:
- a) Bombay      (b) Cochin      (c) Mangalore      (d) Tuticorin
24. What GPR stands for:
- a) General Preventive Rescue  
b) Global Pre-Sea Rating  
c) General Purpose Rating  
d) General Pre-Sea Rating

**Computers:**

25. CPU stands for?
- a) Communication Portal to User  
b) Central Processing Unit  
c) Central Preventive Unit  
d) Computer Protective Unit  
e) None of these.
26. Mr. Bill Gates is known for his associated with:
- a) IBM International  
b) Government of India  
c) Microsoft Incorporation  
d) None of the Above
27. Which is not a part of a computer:
- a) Key Board      (b) RAM      (c) Mouse      (d) USB Drive
28. Find the odd man out:
- a) Windows XP      (b) Windows Vista      (c) Adobe Photoshop      (d) Linux
29. What information is stored in ROM?
- a) Operating System  
b) Computer Memory Details  
c) Basic Input Output System  
d) Cache memory information

**Indian History**

30. What is the full name of the father of our nation?
- a) Mahatma Gandhi  
b) Mohan Kumar Das Gandhi  
c) Mohandas Karamchand Gandhi  
d) Manoharlal Kishorchand Gandhi

31. Who was Jodha Bai?
- a) Aurangzeb's wife
  - b) Akbar's wife
  - c) Akbar's mother in law
  - d) Birbal's wife
32. Who is the first President of republic India?
- a) Mahatma Gandhi
  - b) Jawaharlal Nehru
  - c) Dr. Rajendra Prasad
  - d) Sardar Vallabhbhai Patel
  - e) None of the above
33. In which year India was declared as a Republic nation?
- a) 1947 (b) 1946 (c) 1950 (d) 2001
34. Which is the national song of India:
- a) Jana gana mana
  - b) Ee mere watan
  - c) Vandem Mataram
  - d) Ham honge kamyab
  - e) None of these

### Geography

35. Which of the following is false?
- a) The sun revolves around the moon
  - b) The moon revolves around the sun
  - c) The earth revolves around the sun
  - d) The moon revolves around the earth
36. Which continent is located at the south pole?
- a) Antarctica
  - b) Asia
  - c) Australia
  - d) Africa
37. What is an island?
- a) A piece of land covered by ice
  - b) A piece of land surrounded by water
  - c) A mountain tip which is covered by ice
  - d) A piece of land formed by volcanic eruption
38. Name the sea not touching borders of India:
- a) Indian Ocean
  - b) Arabian Sea
  - c) Bay of Bengal
  - d) Mediterranean Sea

39. Name the longest river of India:

- a) River Narmada
- b) River Ganga
- c) River Yamuna
- d) River Kaveri

**Science**

40. What is the unit of measurement for Astronomical distance?

- a) Kilometer
- b) Nano Meter
- c) Light Year
- d) Leap Year

41. Chemical symbol of natural salt is:

- a) NaCl
- b) H<sub>2</sub>O
- c) KCl<sub>3</sub>
- d) None of the above

42. Which of the following is the deficiency of vitamin B?

- a) Brain Tumor
- b) Loose Motion
- c) Scurvy
- d) Beriberi

43. Newton's III<sup>rd</sup> law of Motion states that?

- a) Every object in a state of uniform motion tends to remain in that state.
- b)  $F = ma$
- c) To every action there is an equal and opposite reaction
- d) None of these

**English**

44. We are looking forward \_\_\_\_\_ retaining the champion's trophy.

- a. of            (b) for            (c) to            (d) again

45. It has been raining \_\_\_\_\_ morning.

- a. since            (b) For            (c) Continuously            (d) Heavily

46. The dog ran \_\_\_\_\_ the room.

- a. in            (b) to            (c) into            (d) out

47. He lives \_\_\_\_\_ Delhi \_\_\_\_\_ India?

- a. at, in            (b) in, of            (c) in, in            (d) None of these

48. The cat is sitting \_\_\_\_\_ the table.

- a. on (b) under (c) over (d) underneath
49. Sita is sitting \_\_\_\_\_ Ram.
- a. aside (b) along (c) besides (d) with
50. Capt. Ramakant prefers coffee \_\_\_\_\_ tea.
- a. than (b) over (c) to (d) along with

**Translate the followings:**

51. साइकिल में हवा भर दो
52. दो और दो चार होते हैं
53. जल्दी करो, आठ बज चुके हैं
54. यदि तुम दिल्ली जाओ तो सीता के लिए रिश्वत लेने जरूर लाना
55. सभल कर चलो रेसना ना हो कि गिर जाओ

**Change the Voice:**

56. "Rahul come here" the teacher said.
57. Sita told Gita "Richmond is the capital of Virginia."
58. Papa told "Bobby, we shall be leaving for Goa tomorrow."
59. It is time to take tea.
60. Shut the door.

**Make sentences by using the following words:**

61. Precaution -
62. Security -
63. Loiter -
64. Negative -

**Make words by the following jumbled letters:**

65. Y E T S A D :
66. M H R Y T H :
67. E N R O A G :
68. D I R F E N :

**Define the followings:**

69. Energy:
70. Acceleration:
71. Velocity:
72. Insulator:

**Write the formulas of the followings:**

73. Speed =
74. F =
75. Profit =

Space for Rough Work

Sample Question Paper