

National Council of Science Museums
(Ministry of Culture, Govt of India)
Block – GN, Sector – V, Bidhannagar,
Kolkata – 700091, West Bengal

Aptitude Test for Selection of Curator ‘B’

Name of the Candidate.....

Form No.....

Date of Aptitude Test: 30/07/2021

Time:

Total Time: 3 Hours

01. Please write your name and form number legibly in the space provided;
02. The test contains two sections; viz., **Section – ‘A’** and **Section – ‘B’**;
03. The duration of the test is 3 hours for both the sections and maximum marks are 100;
04. Read the instructions provided with the questions carefully and answer;
05. In questions having multiple choice answers, please tick legibly on the test paper the answer of your choice;
06. In case you need to change your answer, strike out the wrong one legibly and put a tick in the answer of your choice;
07. If more than one answer is ticked, the answer shall be considered invalid and no marks will be awarded for the answer;
08. Carry out rough work, if any, on the labeled sheet separately provided with this test paper;
09. No mobile phones will be allowed inside the examination hall;
10. There is no negative marking;
11. The complete question paper with labeled attached sheet should be handed over to the instructor before leaving the room;
12. Candidates will not be allowed to leave the examination hall before 2 hours.

SECTION - A

1. A certain jar contains 60 jelly beans — 22 white, 18 green, 11 yellow, 5 red, and 4 purple. If a jelly bean is to be chosen at random, what is the probability that the jelly bean will be neither red nor purple?

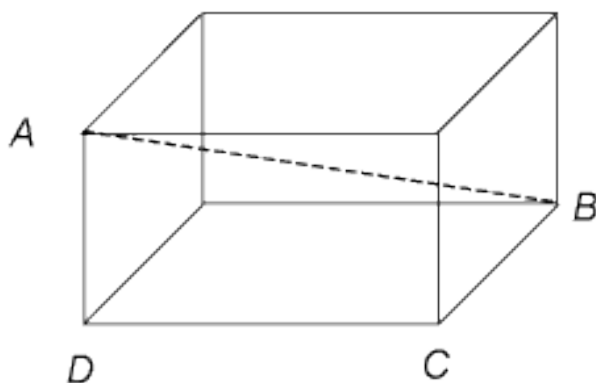
A. 0.09 B. 0.15 C. 0.54 D. 0.85

2. The average (arithmetic mean) of the numbers v , w , x , y , and z is j , and the average of the numbers x , y , and z is k . What is the average of v and w in terms of j and k ?

A. $(j - k) / 2$ B. $(5j - 3k) / 2$

C. $(5j - 3k) / 3$ D. $(j + k) / 2$

3. The figure below is a rectangular solid.



$AB = 17$, $AD = 8$, and $BC = 9$.

Quantity A: The volume of the rectangular solid

Quantity B: 864

Compare the two quantities and select the appropriate answer.

- A. Quantity A is greater.
B. Quantity B is greater.
C. The two quantities are equal.
D. The relationship cannot be determined from the information given.
4. The average age of a group of 4 friends is 36 years. The youngest friend amongst them is 6 years old. What was the average age of the group at the time of the birth of the youngest friend?

A. 36 years B. 38 years C. 32 years D. 40 years

12. Find the odd term from the given series of numbers?

125, 127, 130, 135, 142, 153, 165

- A. 153 B. 142 C. 165 D. 127

13. Find the appropriate set which, when filled in the blank makes a series:

xy _ z _ xxyx _ px _ yxzpx _ yxzpx

- A. xpzxx B. yxyzx C. yxzpx D. zyxy

14. Which of the following words would correctly decode the word ZHOFRPH if the simple alphabet shifting code is used?

- A. ARTISTS B. COMPUTE C. MAILING D. WELCOME

15. Study the following series of alpha-numeric-symbol combination and answer the questions that follow:

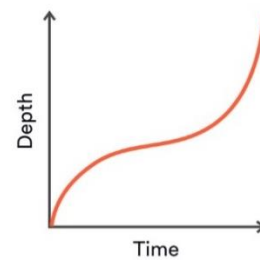
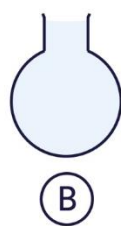
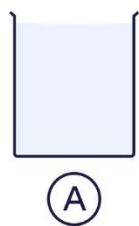
S K 6 £ Q 2 R * C F 8 E \$ G 2 # 4 9 L N 3 U V 5 Y a B 7 W 9

Which of the given sets should come in place of question mark in the following series?

S 9 K 6 W £ Q 7 2 ? C a F

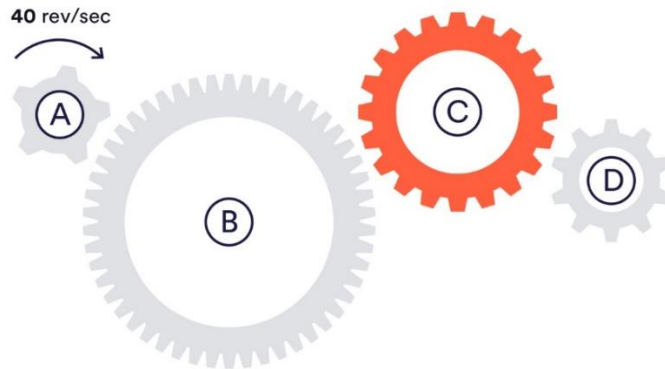
- A. R Y * B. *Y C C. 2 B R D. R B *

16. Which container is being represented in this graph as it is filled with water?



- A. A B. B C. C D. D

17. How many revolutions per second is C turning?



A - 5 teeth B - 50 teeth C - 20 teeth D - 10 teeth

- A. 10 B. 20 C. 40 D. 50

18. Up to which year the number of seats in Lok Sabha of Indian parliament is frozen to 543?

- A. 2024 B. 2026 C. 2028 D. 2030

19. Which of the following countries is not the member of the ASEAN Group?

- A. Brunei B. Indonesia C. India D. Myanmar

20. When moon is sometimes called blue moon?

- A. Second of two full moons in a single month
B. When its colour turns blue due to scattering
C. When it is eclipsed by the shadow of the earth
D. When it comes nearest to the earth

21. What is Li-Fi?

- A. Laser Fibre B. Light Flicker C. Lightning Fire D. Light Fidelity

22. What is the full form of VoLTE?

- A. Video over Light Transmitted EM Wave
B. Video over Laser Transmitted Element
C. Voice over Laser Transmitted Element
D. Voice over Long Term Evolution

23. On which date Hindi Diwas is celebrated in India?

- A. January 10 B. September 14
C. October 2 D. December 16

24. In the memory of which famous Indian Doctor “National Doctors’ Day” is celebrated in India on July 1 every year
- A. Dr Bidhan Chandra Roy B. Dr Upendra Nath Brahmachari
C. Sushruta D. Dr Indira Hinduja
25. What is the Pango lineages of the Delta Variant of SARS-CoV-2 Coronavirus
- A. B.1.1.7 B. B.1.351.2 C. B.1.617.2 D. P.1.1
26. Which of the following is the agencies gives Television Rating Points (TRP) in India?
- A. BARC B. TIFR C. NPCIL D. DAE
27. Who is the chairperson of the Empowered Group on Medical Infrastructure and Covid Management Plan, the National Task Force on Covid-19, setup by Government of India?
- A. Dr. Randeep Guleria B. Dr V K Paul
C. Dr Naresh Trehan D. Dr Devi Shetty
28. Where is the place Lipulekh Pass located?
- A. Indo- Pakistan Border B. Indo-China Border
C. Indo-Nepal Border D. Indo-Myanmar Border
29. What is the name of the Mascot of Tokyo Olympics 2020?
- A. Miraitowa B. Miraikan
C. Mirainaruto D. Mirainikki
30. Yakshagana, the famous Indian Folk dance form is performed in which of the following Indian states?
- A. Tamil Nadu B. Andhra Pradesh
C. Maharashtra D. Karnataka
