

BIRLA INDUSTRIAL & TECHNOLOGICAL MUSEUM
(A unit of National Council of Science Museums)
19A, Gurusaday Road, Kolkata – 700 019

Test for recruitment of Exhibition Assistant 'A' at BITM, Kolkata

Date: 17.02.2023

Maximum Marks: 50
Time: 3 hours.

Roll No: _____

Signature: _____

General Instructions:

1. Smart phone/smart watch are to be put on switched off mode in the examination hall.
2. The test contains two Sections viz. Section 'A' and Section 'B'. Question paper of Section 'B' will be given after lunch break.
3. Candidates will not be allowed to leave the examination hall before 2 hours.

Paper for Section – 'A'

Make an attractive digital poster for the upcoming event '*National Science Day*' which is celebrated on 28th February. The poster will be displayed on the NCSM website for publicity purpose. Draw appealing illustrations digitally by using computer mouse and compose the design with appropriate typography, a colour palette, and other elements. Use software, i.e. Photoshop and Corel Draw available in the given desktop computer.

Or

Make a layout or floor plan of an Exhibition Gallery for the '*Air and Space Museum*'. The available area for the proposed gallery is 80 ft. X 40 ft. with a ceiling height of 18 ft. Show spatial structures, exhibit cabinets, 1:1 scaled models, replicas and related information displays and kiosks in the layout. There are 20 exhibits to be displayed along with four mini aircraft models not larger than 15 ft.X10 ft. size. Indicate the exhibit position and visitor flow path in your layout. Use software such as 'Corel Draw' or 'Sketch-Up' to prepare the layout or floorplan digitally in the given desktop computer.

Scale is 1:25 ratio, resolution: 200 dpi.

List of the exhibits for *Air and Space Museum*

Sl. No	Name of the Exhibit	Sl. No	Name of the Exhibit
1	History of Flight	11	Landing on Mars
2	Write Brother's Flight	12	Curiosity and Opportunity Rover
3	Flight Mechanism	13	Reusable Launch Vehicle
4	Aviation and War	14	Display of Heat-shield Model
5	First step on the Moon	15	Satellites and its Application
6	History of Space Exploration	16	Women in Space
7	Sounding Rockets	17	International Space Station
8	Launch Vehicle	18	Life in Zero Gravity
9	First Human in Space	19	Indian Space Programme
10	Mars Exploration	20	Future of Space Exploration

N.B. Please mention your Roll Number and date legibly at the bottom of your digital artwork)

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Test for recruitment of Exhibition Assistant 'A' at BITM, Kolkata

Date: 17.02.2023

Maximum Marks: 50
Time: 1 hour.

Roll No: _____

Signature: _____

General Instructions:

1. Smart phone/smart watch are to be put on switched off mode in the examination hall.
2. For Question No.1 Drawing Sheet will be provided by the office.
3. For objective type questions i.e. Question No.2 put a (√) mark on the correct answer in the question paper itself from the 4 alternatives given below against each question.
4. To change answer, put (X) on previous answer and (√) the fresh answer.

Paper for Section 'B'

Question 1:

(40 Marks)

Draw a pencil sketch of the '*Covid-19 Vaccination Camp*'. Use bold pencil lines or strokes for the drawing of human figures and other elements of your composition. Draw at least 4-5 human characters in your composition. Pencil shading is *not* required in the Drawing.

(Please mention your Roll Number and date legibly on the back of your sketch sheet.)

Question 2:

(1 X 10) = 10 Marks

1. *Les Demoiselles d'Avignon (The young Ladies of Avignon)* is the famous painting of....
 - a) Cloud Monet
 - b) Johannes Vermeer
 - c) Pablo Picasso
 - d) Caravaggio
2. What are the three properties of a colour? You can describe a colour by....
 - a) Hue, Value, Texture
 - b) Value, Intensity, Shape
 - c) Intensity, Hue, Perspective
 - d) Hue, Intensity, Value

3. The famous painting *Bride's Toilet* is created by....

- a) Frida Kahlo
- b) Amrita Sher-Gil
- c) Mary Cassatt
- d) Artemisia Gentileschi

4. In 3D modelling software the term '*Polygons*' is?

- a) Two-dimensional shape with multiple sides
- b) Three-dimensional shape with four sides
- c) Ellipse
- d) Circle

5. Complex abstract image created by computers...

- a) html
- b) fractals
- c) dwg
- d) stl

6. What is a '*Bump Map*' ?

- a) Grey scale texture
- b) Multicolor texture
- c) Mapping polygons
- d) None of above

7. CAD stands for

- a) Computer art design
- b) Computer-aided design
- c) Computer architecture design
- d) None of above

8. Which element of art defines how much lightness and darkness is?

- a) Value
- b) Form
- c) Colour
- d) Space

9. Which of the following is called the storehouse of world-art collections?

- a) National Archives of India
- b) National Museum
- c) Salarjung Museum
- d) National Modern Art Gallery

10. The Gandhara Art flourished during the period of

- a) Satvahanas
- b) Guptas
- c) Mauryas
- d) Kashans

