

National Council of Science Museums

(Ministry of Culture, Govt of India)

Aptitude Test for Selection of Exhibition Assistant 'A'

Name of the Candidate.....

Call letter No..... Mobile No

Signature..... Date.....

Time: 3 Hours

Total Marks: 100

01. Please write your name, call letter number and mobile number with signature and date 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 questions carefully and answer;
05. In questions having multiple choice answers, please tick legibly on the test paper the answer of your choice;
06. If more than one answer is ticked, the answer shall be considered invalid and no marks will be awarded for the answer;
07. The complete question paper with drawing sheet should be handed over to the instructor before leaving the room;
08. Candidates will not be allowed to leave the examination hall before 2 hours.

Section – 'A'

(1 X 50) = 50 Marks

Tick the correct answer

1. What element shows how light and dark something is?
 - a) Value
 - b) Form
 - c) Color
 - d) Space

2. Intentional, regular repetition of lines or shapes to achieve a specific repetitious effect or pattern.
 - a) Harmony
 - b) Dominance
 - c) Balance
 - d) Rhythm

3. The repeating of elements of design creates _____ within the work of art.
 - a) Unity
 - b) Concentration
 - c) Variety
 - d) Completion

4. Which of the following is not an Element of Art?
 - a) Line
 - b) Shape
 - c) Contrast
 - d) Color

5. Refers to the arrangement of elements on either side of a central line: Symmetrical-asymmetrical and radial.
 - a) Shape
 - b) Tint
 - c) Negative space
 - d) Balance

6. What does the ISO value represent?
 - a) How sensitive the sensor is to light?
 - b) How much vibration the camera can handle
 - c) How long the shutter stays open?
 - d) The government regulation concerning camera operation

7. The amount of light or darkness on a photograph is known as the:

- a) Sharpness
- b) Shutter Speed
- c) Exposure
- d) Contrast

8. The Vertical movement of a camera on its axis is called:

- a) ✓ Tilt
- b) Track
- c) Pan
- d) Shift

9. Which is a larger aperture:

- a) 1.4
- b) 2.8
- c) 1600
- d) 1/250

10. The amount of light passing through a lens is defined by the:

- a) Shutter Speed
- b) Aperture
- c) Exposure
- d) Film speed

11. _____ is the process of organizing and composing words and images to create a message

- a) Optical illusion
- b) Expression
- c) Illusion
- d) Graphic design

12. Which of the following describes the Arial and Times New Roman fonts?

- a) Arial is a sans serif font, Times New Roman is a serif font
- b) Arial is a serif font, Times New Roman is a sans serif font
- c) Both are serif fonts
- d) Both are sans serif fonts

13. _____ is a basic element repeated to create a pattern

- a) Shape
- b) Form
- c) Motif
- d) Hue

14. What does the 'JPEG' stands for?

- a) Joint Photo Electronic Group
- b) Joint Photographic Experts Group
- c) Joint Photography Export Group
- d) Joint Picture Electronic Group

15. _____ is a representation or a name in a particular typeface

- a) Non hue
- b) Sans-serif
- c) Logotype
- d) Shape

16. The tool used to force ink through the silk screen:

- a) Stylus
- b) Squeegee
- c) Spatula
- d) Stippling

17. What is the technique of mural painting in which a water based pigment is painted on to fresh plaster?

- a) Gecko
- b) Sacco
- c) Tesco
- d) Fresco

18. When a printing surface is on a lower level than the non-printing surface is known as _____.

- a) screen
- b) intaglio
- c) letterpress
- d) stereo

19. Stoneware is made of :

- a) Stone
- b) Glass
- c) Clay
- d) Plaster of Paris

20. Which among the following material was used in Mathura School of Art?

- a) Granite
- b) Marble
- c) Slate
- d) Red Sandstone

21. Which one of the following does not appear on the abacus of the Sarnath Lion Capital of Ashoka?

- a) Horse
- b) Elephant
- c) Deer
- d) Bull

22. What do the paintings of Ajanta depict?

- a) Mahabharata
- b) Panchatantra
- c) Jatakas
- d) Ramayana

23. Famous painting 'The Birth of Venus' was painted by..

- a) Caravaggio
- b) Sandro Botticelli
- c) Raphael
- d) Giovanni Bellini

24. 'The Thinker' the famous bronze sculpture was made by ..

- a) Donatello
- b) Michelangelo
- c) Auguste Rodin
- d) Gian Lorenzo Bernini

25. Which of these is a paint made from pigments and plastic?

- a) Gesso
- b) Acrylic
- c) Acetone
- d) Tempera

26. Which one of these is not a form of outdoor advertising?

- a) Billboard
- b) Bus shelter
- c) Dangler
- d) Kiosk

27. _____ is an ancient Greek ideal ratio that can be expressed in numbers as 0.618034:1

- a) Intensity
- b) Golden Section
- c) Color scheme
- d) Proportion

28. The arrangement of the visual elements is.....

- a) Composition
- b) Unity
- c) Harmony
- d) Contrast

29. Nearer view of an image is called.....

- a) Foreground
- b) Contact
- c) Background
- d) Depth of field

30. Which one of the following is not related to image format?

- a) .jpeg
- b) .tiff
- c) .wav
- d) .bmp

31. Which one of the following is not a raster graphics format?

- a) JPEG
- b) PBM
- c) TGA
- d) SVG

32. Creating space between two specific letters or characters, called....

- a) Kerning
- b) Leading
- c) ✓ Ligature
- d) Alignment

33. _____ refers to the number of units, measured in either DPI or PPI.

- a) Alignment
- b) Repetition
- c) Ragged Edge
- d) Resolution

34. _____ is gradual change of color or shade.

- a) Grey scale
- b) Gradient
- c) Hex
- d) Monochrome

35. How many Color Modes are there in Photoshop ?

- a) 3
- b) 5
- c) 6
- d) 4

36. Which of these formats supports Transparency?

- a) JPG
- b) GIF
- c) JPEG
- d) PNG

37. The saturation or strength of a color is.....

- a) Intensity
- b) Depth
- c) Hue
- d) Brightness

38. In print making for viscosity process what type of surface of block is needed?
- a) Wooden
 - b) Metal
 - c) Rubber
 - d) Stone
39. _____ is the emotional, cultural, or social content of a design
- a) Intensity
 - b) Branding
 - c) Engravings
 - d) Expression
40. _____ is an art made by pasting various materials such as bits of paper, cloth, etc. onto a piece of paper, board or canvas.
- a) Coiling
 - b) Collage
 - c) Conte
 - d) Contrapposto
41. _____ is the element of art that refers to how things feel, or look as if they might feel if touched.
- a) Closure
 - b) Temperature
 - c) Texture
 - d) Value
42. Which of the following is known as "design area" in the screen printing process?
- a) Unexposed portion
 - b) Fabric
 - c) Exposed portion
 - d) Covered with brown tape
43. "Tag line" is also known as:
- a) Jawline
 - b) Punch line
 - c) Fix line
 - d) Thin line

44. Which material provides strength to clay?

- a) Sand
- b) Leaves
- c) Grog
- d) Husk

45. Sarnath Buddha image is made of which stone?

- a) Jodhpur Sandstone
- b) Chunar Sandstone
- c) Kashmir Limestone
- d) Madras Granite

46. Which color model is named as subtractive color model?

- a) Index color model
- b) CMYK color model
- c) RGB color model
- d) HSL color model

47. What are the three properties of a color? You can describe a color by....

- a) Hue, Value, Texture
- b) Value, Intensity, Shape
- c) Intensity, Hue, Perspective
- d) Hue, Intensity, Value

48. What is a color scheme?

- a) a choice of colors
- b) different shades of one color
- c) a tint of a color
- d) a tone and a tint of a color

49. Color scheme that uses variations in value and saturation of a single color.

- a) Analogous
- b) Monochromatic
- c) Complementary
- d) Intermediate

50. A tint is made by adding _____ to a color.

- a) Secondary color
- b) White
- c) Black
- d) Primary color

Section – 'B'

50 Marks

Make an attractive digital poster for NCSM Sky Observation Programme. Draw illustration of a child observing the night sky with telescope and compose it in the poster. The 'Flat Style Illustration' is most preferable for this Publicity poster. Compose the design with appropriate typography, color palate and other elements to make the poster appealing. Use mouse to draw the illustration digitally, with available software e.g. Adobe illustrator, Photoshop or Corel Draw in your desktop computer.

Or

Design an arch gate for Annual Science Fair. The available area for the arch gate is 25 feet in length and 15 feet in height with a maximum depth of 4 feet. Cutouts, shapes and other 2D/3D design elements can be used to make the arch gate attractive. Use software e.g. Photoshop and Corel Draw to design the gate digitally in the given desktop computer. Scale is 1:10 ratio, resolution: 200 dpi.

(Please mention your call letter number and date legibly at the bottom of your digital artwork)
