

## GRAPHIC DESIGNER /SR.TECHNICAL ASSISTANT PUBLICATIONS

Max. Marks: 100

Time: 2 Hrs.

### IMPORTANT INSTRUCTIONS

- Fill all the information in various columns, in capital letters, with blue/black ball point pen.
- Use of calculators is not allowed.
- Use blue/ black pen only for attempting the questions.
- All questions are compulsory.
- Each question has only one right answer.
- Questions attempted with two or more options/answers will be treated as wrong answer.

Name : \_\_\_\_\_

Father's Name : \_\_\_\_\_

Roll No. : \_\_\_\_\_ Date : \_\_\_\_\_

Signature of Candidate : \_\_\_\_\_

### PART – 1 GENERAL INTELLIGENCE

40

1. Rahim can do a piece of work in 12 days, Karim in 20 days and Meera in 30 days. If they work together, they can finish the work in :  
(A) 4 days  
(B) 6 days  
(C) 8 days  
(D) 10 days
2. Which one of the following is produced from Coal tar.  
(A) Synthetic dyes  
(B) Drugs  
(C) Scent  
(D) All the above
3. Man dies in an atmosphere of Carbon monoxide because it :  
(A) Combines with the oxygen present in the body to form  $\text{CO}_2$   
(B) Reduces the organic matter of the tissues  
(C) Combines with hemoglobin of blood making it incapable of absorbing oxygen  
(D) Dries up the blood
4. Oxygen is prepared on large scale from:  
(A) Nitrogen  
(B) Potassium permanganate  
(C) Chlorine  
(D) Water

5. The Physical properties of diamond and Graphite are different because they differ in the arrangement of
- (A) Neutrons
  - (B) Electrons
  - (C) Atoms
  - (D) Protons
6. Which air pollutant may cause acid rain in an industrial area
- (A) SO<sub>2</sub>
  - (B) CO<sub>2</sub>
  - (C) CO
  - (D) CH<sub>4</sub>
7. Charcoal is obtained by burning:
- (A) Wood in absence of Oxygen
  - (B) Coal in absence of air
  - (C) Coal in an insufficient supply of air
  - (D) Wood in an insufficient supply of air
8. Wing is to bird as \_\_\_\_\_ is to fish
- (A) Fin
  - (B) Mouth
  - (C) Swim
  - (D) Tail
9. Doctor : Medicine, Teacher : \_\_\_\_\_?
- (A) Class
  - (B) Lecture
  - (C) College
  - (D) Student
10. Coconut : Shell, Letter : \_\_\_\_\_?
- (A) Envelope
  - (B) Mail
  - (C) Stamp
  - (D) Letter Box
11. Cube : Square, Sphere : \_\_\_\_\_?
- (A) Dome
  - (B) Hemisphere
  - (C) Circle
  - (D) Sector

12. Garampani sanctuary is located at  
(A) Junagarh, Gujarat  
(B) Diphu, Assam  
(C) Kohima, Nagaland  
(D) Gangtok, Sikkim
13. Exposure to sunlight helps a person improve his health because  
(A) the infrared light kills bacteria in the body  
(B) resistance power increases  
(C) the pigment cells in the skin get stimulated and produce a healthy tan  
(D) the ultraviolet rays convert skin oil into Vitamin D
14. Guwahati High Court is the judicature of  
(A) Nagaland  
(B) Arunachal Pradesh  
(C) Assam  
(D) All of the above
15. Friction can be reduced by changing from  
(A) sliding to rolling  
(B) rolling to sliding  
(C) potential energy to kinetic energy  
(D) dynamic to static
16. Fire temple is the place of worship of which of the following religion?  
(A) Taoism  
(B) Judaism  
(C) Zoroastrianism (Parsi Religion)  
(D) Shintoism
17. Film and TV institute of India is located at  
(A) Pune (Maharashtra)  
(B) Rajkot (Gujarat)  
(C) Pimpri (Maharashtra)  
(D) Perambur (Tamilnadu)
18. The ozone layer restricts  
(A) Visible light  
(B) Infrared radiation  
(C) X-rays and gamma rays  
(D) Ultraviolet radiation

19. In which year of First World War Germany declared war on Russia and France?  
(A) 1914  
(B) 1915  
(C) 1916  
(D) 1917
20. India's first Technicolor film \_\_\_\_\_ in the early 1950s was produced by \_\_\_\_\_  
(A) 'Jhansi Ki Rani', Sohrab Modi  
(B) 'Jhansi Ki Rani', Sir Syed Ahmed  
(C) 'Mirza Ghalib', Sohrab Modi  
(D) 'Mirza Ghalib', Munshi Premchand
21. India has largest deposits of \_\_\_\_\_ in the world.  
(A) gold  
(B) copper  
(C) mica  
(D) None of the above
22. India's first satellite is named after  
(A) Aryabhatta  
(B) Bhaskara II  
(C) Bhaskara I  
(D) Albert Einstein
23. Milkha Singh Stood \_\_\_\_\_ in 1960 Olympics, in Athletics.  
(A) fourth in 400m final  
(B) second in 400m final  
(C) eighth in 50km walk  
(D) seventh in 800m final
24. Modern Indo-Aryan languages are based on an ancient language called  
(A) Hindi  
(B) Sanskrit  
(C) Kannada  
(D) Tamil
25. Kathak, Nauntanki, Jhora and Kajri are the important dances of  
(A) Uttaranchal  
(B) Uttar Pradesh  
(C) Jharkhand  
(D) Chhattisgarh
26. Mount Everest was captured by Edmund Hillary and Tenzing Norgay in the year  
(A) 1951  
(B) 1952  
(C) 1953  
(D) 1954

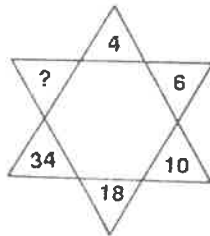
27. Kanishka was  
 (A) the king of Kushan dynasty  
 (B) a great conqueror but later became a follower of Buddha  
 (C) the only ruler of India whose territory extended up to central Asia  
 (D) All of the above

28. Satellite launching station is located at  
 (A) Sriharikota (Andhra Pradesh)  
 (B) Solapur (Maharashtra)  
 (C) Salem (Tamilnadu)  
 (D) Warangal (Andhra Pradesh)

29. The 'Black flag' signifies  
 (A) revolution/danger  
 (B) peace  
 (C) protest  
 (D) truce

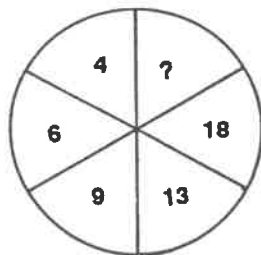
30.

- (A) 66  
 (B) 82  
 (C) 44  
 (D) 55



31.

- (A) 24  
 (B) 22  
 (C) 28  
 (D) 32



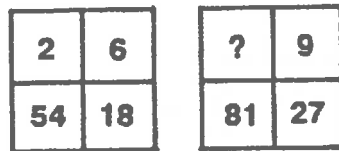
32.

- (A) 3  
 (B) 4  
 (C) 2  
 (D) 6

9	4	1
6	6	2
1	9	?

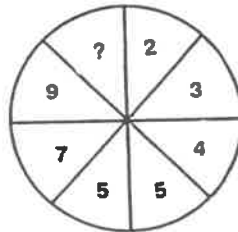
33.

- (A) 5
- (B) 6
- (C) 13
- (D) 3



34.

- (A) 9
- (B) 15
- (C) 13
- (D) 11



35. Which of the following is not a member of G-15

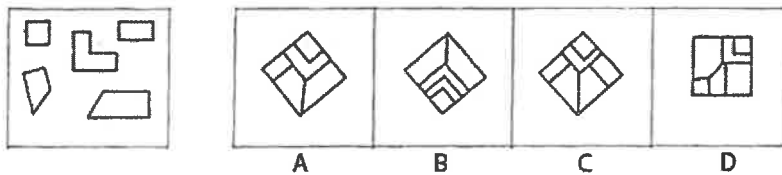
- (A) Pakistan
- (B) Indonesia
- (C) Malaysia
- (D) India

36. In fireworks green flame is produced because of:

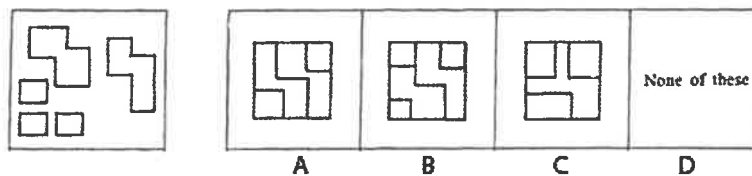
- (A) Pottasium
- (B) Barium
- (C) Sodium
- (D) Mercury

In questions below the pieces of the geometrical design is given in first box on left side. Find out the figure which can be obtained by assembling the given pieces:

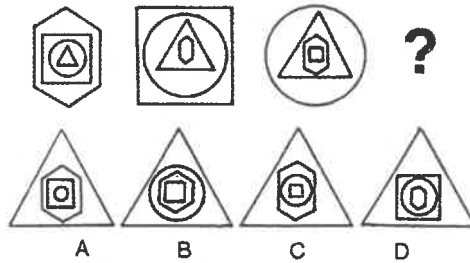
37.



38.



39. Which one figure would be the next one in the figure series given below:



40. Identify the personality :



- (A) Sardar Patel
- (B) TN Seshan
- (C) Arjun Singh
- (D) None of above

**PART – 2A DOMAIN KNOWLEDGE (Objective type)**

**40**

41. Which of the following indicates the brightness or dullness of a color?

- (A) Chroma
- (B) Hue
- (C) Intensity
- (D) value

42. Color harmony that is equidistant to each other on the color wheel

- (A) Analogous
- (B) Complementary
- (C) Split Complementary
- (D) Triad

43. A relatively dark value of color, produced by adding black to it

- (A) Tint
- (B) Tone
- (C) Shade
- (D) Gray

44. What is the psychological significance of color red?

- (A) richness, splendor
- (B) stimulation
- (C) coldness, tranquility
- (D) relaxation, sheer

45. On the colour wheel, the combination of 'purple-yellow' or 'orange-blue' is best described as  
 (A) Complementary  
 (B) Supplementary  
 (C) Analogous  
 (D) Monochromatic
46. The three qualities defining our perception of chromatic light are  
 (A) Hue, Tint, Shade  
 (B) Brightness, Contrast, Tint  
 (C) Value, Hue, Intensity  
 (D) Values, Brightness, shade
47. Mixing the colors blue and red in equal proportion will produce which of the following hues?  
 (A) maroon  
 (B) violet  
 (C) orange  
 (D) brown
48. The use of shape to represent the features of the mask is best described in which of the following ways?  
 (A) naturalistic  
 (B) ornate  
 (C) stylized  
 (D) unbalanced
49. The use of line in the building's design achieves primarily which of the following effects?

- (A) creating a sense of dynamic movement  
 (B) drawing the viewer's eye toward the sky  
 (C) communicating a sense of rigid formality  
 (D) depicting a smooth implied texture



50. The strong contrast of dark and light in the work exemplifies which of the following painting techniques?

- (A) impasto  
 (B) sgraffito  
 (C) plein air  
 (D) tenebrism



51. What are the elements of art?

- (A) Unity, Color, Value, Form, Texture, Shape  
 (B) Line, Shape, Space, Texture, Form, Color, Value  
 (C) Repetition and Variation, Balance, Contrast, Space  
 (D) Line, Shape, Harmony, Balance, Texture, Form



52. Which is not an element of art?
- (A) Color
  - (B) Balance
  - (C) Space
  - (D) Texture
53. Straight, curvy, zig-zag, diagonal, horizontal are all words to describe this element:
- (A) Space
  - (B) Line
  - (C) Shape
  - (D) Color
54. Blue is an example of this element:
- (A) Texture
  - (B) Color
  - (C) Contrast
  - (D) Value
55. Soft, hard, smooth, rough are examples of:
- (A) Line
  - (B) Form
  - (C) Texture
  - (D) Color
56. What element shows how light and dark something is?
- (A) Space
  - (B) Form
  - (C) Color
  - (D) Value
57. What is an example of a color?
- (A) Banana
  - (B) Cherry
  - (C) Orange
  - (D) Grape
58. What is form?
- (A) A document you fill out.
  - (B) The shape of an object.
  - (C) The 3D shape of an object.
  - (D) The way an object moves.
59. The material value of art refers to
- (A) its materialism.
  - (B) the value of its media.
  - (C) its expensive production.
  - (D) the amount paid to the artist.

60. A painting of fruit and flowers on a table is a
- (A) still life.
  - (B) nonrepresentational work.
  - (C) portrait.
  - (D) drawing.
61. Iconography refers to
- (A) formal elements.
  - (B) feminism.
  - (C) Marxism.
  - (D) subject matter.
62. Ultra Violet rays can be checked by
- (A) Flint glass
  - (B) Crooke's glass
  - (C) Soda glass
  - (D) Pyrex glass
63. Identify the combination of colors, which does not fall under category of Tertiary color.
- (A) yellow-orange,
  - (B) red-orange,
  - (C) red-purple,
  - (D) yellow – red
64. Warm colors are said to appear
- (A) closer proximity
  - (B) sensation of distance
  - (C) background colors
  - (D) foreground colors
65. Under CYMK color model, K stands for ?
- (A) Blue
  - (B) Black
  - (C) Yellow
  - (D) Cyan
66. The triadic color scheme uses three colors on color wheel are
- (A) three colors equally spaced
  - (B) two complementary color pairs
  - (C) standard complementary scheme
  - (D) tints, shades, and tones
67. People cast shadow on ground as they walk because they block
- (A) view
  - (B) light
  - (C) scene
  - (D) way

68. Darker region in shadow with well-defined outline is called
- (A) umbra
  - (B) penumbra
  - (C) screen
  - (D) source
69. A region of darkness which is formed when path of light is blocked is called
- (A) shadow
  - (B) opaque image
  - (C) inverted picture
  - (D) pinhole
70. The number of pixels stored in the frame buffer of a graphics system is known as
- (A) Resolution
  - (B) Depth
  - (C) Resalution
  - (D) All of above
71. The primary output device in a graphics system is \_\_\_\_\_
- (A) Scanner
  - (B) Video monitor
  - (C) Neither a nor b
  - (D) Printer
72. Aspect ratio means
- (A) Number of pixels
  - (B) Ratio of vertical points to horizontal points
  - (C) Ratio of horizontal points to vertical points
  - (D) Both b and c
73. Soft grade of pencil is
- (A) 4H
  - (B) HB
  - (C) H
  - (D) 2B
74. The art of beautiful writing is
- (A) Lithography
  - (B) Calligraphy
  - (C) Planography
  - (D) None
75. He is famous painter of india
- (A) Munshi Premchand
  - (B) Raja Ravi Verma
  - (C) S. Radhakrishnan
  - (D) Lala Lajpat Rai

76. Creation of Adam is painted by

- (A) Leonardo
- (B) K. K. Hebbar
- (C) M.F. Hussain
- (D) Michelangelo

77. Monalisa is famous for

- (A) Her dress
- (B) Her hands
- (C) Her smile
- (D) Her chair

78. Posters colors are

- (A) Water based
- (B) Oil based
- (C) Acrylic based
- (D) Medium not required

79. Miniature Paintings are

- (A) Small size Paintings
- (B) Wall paintings
- (C) Medium size Paintings
- (D) Large size Paintings

80. The pictures in the book are called

- (A) Cartoons
- (B) Pictures
- (C) Pictures in the book
- (D) Illustrations

**PART – 2B DOMAIN KNOWLEDGE (Descriptive type)**

**20**

Design a cover page of Research Journal of SPAV in the software/ color medium of your choice on A4 size paper

**END OF QUESTION PAPER**

## ANSWER SHEET

Q No.	Answer	Q No.	Answer
1.	B	41.	C
2.	D	42.	D
3.	C	43.	C
4.	D	44.	B
5.	C	45.	A
6.	A	46.	C
7.	A	47.	B
8.	A	48.	C
9.	B	49.	A
10.	A	50.	D
11.	C	51.	B
12.	B	52.	B
13.	D	53.	B
14.	D	54.	B
15.	A	55.	C
16.	C	56.	D
17.	A	57.	C
18.	D	58.	C
19.	A	59.	B
20.	A ✓	60.	A
21.	C ✓	61.	D
22.	A ✓	62.	B
23.	A ✓	63.	D
24.	B	64.	A
25.	B	65.	B
26.	C	66.	A
27.	D	67.	B
28.	A	68.	A
29.	C	69.	A
30.	A	70.	A
31.	A	71.	B
32.	B	72.	D
33.	D	73.	D
34.	D	74.	B
35.	A	75.	B
36.	B	76.	D
37.	A	77.	C
38.	B	78.	A
39.	A	79.	A
40.	A	80.	D

