ಕರ್ನಾಟಕ ಪ್ರೌಢ ಶಿಕ್ಷಣ ಪರೀಕ್ಷಾ ಮಂಡಳಿ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು – 560 003

KARNATAKA SECONDARY EDUCATION EXAMINATION BOARD,
MALLESWARAM, BANGALORE – 560 003

ಪತ್ರಿಕೆ - 03 / **Paper - 03**

ಎಸ್.ಎಸ್.ಎಲ್.ಸಿ. ಮುಖ್ಯ ಪರೀಕ್ಷೆ – 2021

SSLC MAIN EXAMINATION – 2021

ವಿಷಯ : ಎಲಿಮೆಂಟ್ಸ್ ಆಫ್ ಮೆಕ್ಯಾನಿಕಲ್ ಅಂಡ್ ಎಲೆಕ್ಟ್ರಿಕಲ್ ಇಂಜಿನಿಯರಿಂಗ್ - 2

& ಇಂಜಿನಿಯರಿಂಗ್ ಗ್ರಾಫಿಕ್ಸ್ - 2

Subjects : **Elements of Mechanical & Electrical Engineering - 2**

& Engineering Graphics - 2

(ಇಂಗ್ಲಿಷ್ ಮಾಧ್ಯಮ / **English Medium**)

(CCE-RF / CCE-RR)

ಉತ್ತರಗಳ ಸಂಕೇತಗಳು

KEY ANSWERS

ಸಂಕೇತ ಸಂಖ್ಯೆ : **72-E (RF/RR)**

Code No. : **72-E (RF/RR)**

ವಿಷಯ : ಇಂಜಿನಿಯರಿಂಗ್ ಗ್ರಾಫಿಕ್ಸ್ - 2

Subject : **ENGINEERING GRAPHICS - 2**

ಒಟ್ಟು ಪ್ರಶ್ನೆಗಳ ಸಂಖ್ಯೆ : 25]   [Total No. of Questions : 25

ಗರಿಷ್ಠ ಅಂಕಗಳು : 25]   [Max. Marks : 25

ಈ ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಅಥವಾ ಅಪೂರ್ಣ ಹೇಳಿಕೆಗಳಿಗೆ ನಾಲ್ಕು ಆಯ್ಕೆಗಳನ್ನು ನೀಡಲಾಗಿದೆ.
ಅವುಗಳಲ್ಲಿ ಸರಿಯಾದ ಉತ್ತರವನ್ನು ಆರಿಸಿ ನಿಮಗೆ ನೀಡಲಾಗಿರುವ ಓ.ಎಂ.ಆರ್. (OMR) ಉತ್ತರ
ಪತ್ರಿಕೆಯಲ್ಲಿ ನೀಲಿ ಅಥವಾ ಕಪ್ಪು ಶಾಯಿಯ ಬಾಲ್ ಪಾಯಿಂಟ್ ಪೆನ್‌ನಿಂದ ಸರಿಯಾದ
ಆಯ್ಕೆಯನ್ನು ಗುರುತಿಸಿ :   25 × 1 = 25

Four choices are given for each of the following questions / incomplete statements. Choose the correct answer among them and shade the correct option in the OMR Sheet given to you with a black / blue ball point pen.

25 × 1 = 25

51. Centre lines are drawn as

    (A)   continuous narrow lines

    (B)   dashed narrow lines

    (C)   long dashed dotted narrow lines

    (D)   long dashed double dotted narrow lines

    Ans. : (C) long dashed dotted narrow lines

52. The length to height ratio of a closed filled arrowhead is

    (A)   1 : 3   (B)   3 : 1

    (C)   1 : 2   (D)   2 : 1

    Ans. : (A) 1 : 3

53. The dimension figure for radius of a circle should precede by

    (A)   CR   (B)   R

    (C)   SR   (D)   RAD

    Ans. : (B) R

54. The included angle of a pentagon is

    (A)   68°   (B)   108°

    (C)   112°   (D)   72°

    Ans. : (B) 108°

55. The two recommended systems of placing the dimensions are

    (A)   upright and inclined systems

    (B)   linear and inclined systems

    (C)   linear and oblique systems

    (D)   unidirectional and aligned systems

    Ans. : (D) unidirectional and aligned systems

2002-(KA)

56. Projection of an object shown by three views is known as

    (A)   perspective projection   (B)   isometric projection

    (C)   oblique projection   (D)   orthographic projection

    Ans. : (D) orthographic projection

57. In orthographic projection the elevation obtained on a plane is called

    (A)   vertical plane   (B)   profile plane

    (C)   horizontal plane   (D)   auxiliary plane

    Ans. : (A) vertical plane

58. In multiview projections the *XY* line is also known as

    (A)   horizontal line   (B)   reference line

    (C)   vertical line   (D)   horizontal trace

    Ans. : (B) reference line

59. For orthographic projections B.I.S. recommends the

    (A)   first angle projection   (B)   second angle projection

    (C)   third angle projection   (D)   fourth angle projection

    Ans. : (A) first angle projection

60. The top view of an object should be drawn exactly

    (A)   below or right of the front view

    (B)   right or left of the front view

    (C)   below or above the front view

    (D)   above or left of the front view

    Ans. : (C) below or above the front view

2002 (MA)

[Turn over

61. The recommended symbol for indicating the angle of projection shows two views of the frustum of a

    (A)   pentagonal prism   (B)   square pyramid

    (C)   triangular pyramid   (D)   cone

    Ans. : (D) cone

62. If a line is parallel to both H.P. and V.P., its true length will be seen in

    (A)   both front and top views   (B)   front view

    (C)   top view   (D)   side view

    Ans. : (A) both front and top views

63. If a thin set square is kept perpendicular to both the horizontal and vertical planes, its true shape is seen in

    (A)   auxiliary inclined plane   (B)   vertical plane

    (C)   horizontal plane   (D)   profile plane

    Ans. : (D) profile plane

64. Minimum number of orthographic views necessary to show length, depth and height of an object is

    (A)   three   (B)   two

    (C)   four   (D)   six

    Ans. : (B) two

65. Among the following solids a regular polyhedron is

    (A)   sphere   (B)   cube

    (C)   square prism   (D)   square pyramid

    Ans. : (B) cube

66. Number of faces in a dodecahedron is

    (A)   12   (B)   8

    (C)   4   (D)   20

    Ans. : (A) 12

67. An orthographic view of a hemisphere may appear as

    (A)   hyperbola   (B)   parabola

    (C)   ellipse   (D)   circle

    Ans. : (D) circle

68. A square pyramid is resting on a face in the V.P. The number of dotted lines appearing in the front view will be

    (A)   four   (B)   three

    (C)   two   (D)   one

    Ans. : (C) two

69. A solid having minimum number of faces is

    (A)   square pyramid   (B)   triangular prism

    (C)   cube   (D)   tetrahedron

    Ans. : (B) triangular prism

70. Pictorial views drawn on isometric scale are called

    (A)   isometric projections (B)   isometric drawings

    (C)   isometric views   (D)   orthographic projections

    Ans. : (A) isometric projections

2002 (MA)   [Turn over

71. In comparison to an isometric projection the appearance of an isometric view is

    (A) smaller   (B) larger

    (C) more accurate   (D) more realistic

    Ans. : (D) more realistic

72. On isometric plane a circle appears as

    (A) an involute   (B) an ellipse

    (C) an obloid   (D) a circle

    Ans. : (B) an ellipse

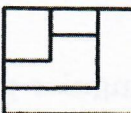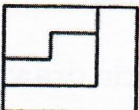73. For the object shown in figure No. 1 select the correct front view in the direction of arrow 'X' :
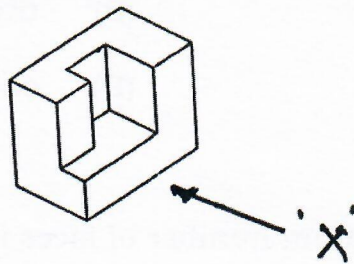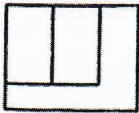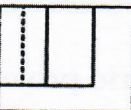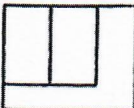
Figure No. 1

(A)   (B)

(C)   (D)

Ans. : (A)

2002 (MA)

74. Select the correct isometric view corresponding to the front view shown in figure No. 2 :
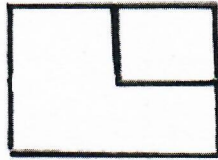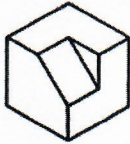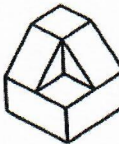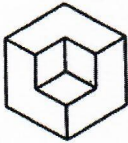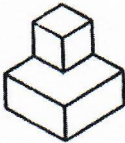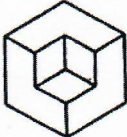

Figure No. 2

(A)   (B)

(C)   (D)

Ans. : (C)

75. The angle that isometric lines make with each other is

(A) 45°   (B) 60°

(C) 90°   (D) 120°

Ans. : (D) 120°