Q.1 The image is an artwork titled The Merry Family, by Jan Havickesz Steen on display at the Rijksmuseum.
While image (E1) is the original artwork. Image (E2) has subtle changes. Can you spot how many differences are there in the two images and tick the number that you can identify.

IMAGE(E1)

IMAGE(E2)

Options :
a. 7
b. 4
c. 10
d. 14
- Chosen Option : c
- Correct Answer : a=12,c=7,d=17

Q.2 Identify the most important visual and drawing principles and terms that describe the image given below.
Tick any four appropriate answer options.

Options :
a. Colonnade
b. One point perspective
c. Flood
d. Venice
e. Two point perspective
f. Pattern
g. Worm's eye view
h. Symmetry
i. Masonry
j. Gradation
k. Rustic
l. Corridor
m. Hamburg
n. Distortion
o. Cantilever
p. Normal eye view
- Chosen Option : c,h,i,n
- Correct Answer : d,e,i,k,l,p

Q.3 The four images given below are all in some way or the other related. Which of the following visual and design principles and terms given in the answer options, most aptly describe them?
Tick any four appropriate answer options.

Options :
a. Primary scheme
b. Geometric
c. Monochromatic
d. Polychromatic
e. Vibrant
f. Avante Garde
g. Contrast
h. Orthodox
i. Conformity
j. Analogous
k. Triadic scheme
l. Naturalistic
m. Collage
n. Warm
o. Pattern
p. Secondary scheme
- Chosen Option : a,d,e,n
- Correct Answer : a,d,e,g,k,n

Q.4 The two images given below are all in some way or the other related. Which of the following visual design principles and terms given in the answer options, most aptly describe them?
Provide any four appropriate answer options.

Options :
a. Contrast
b. Gradation
c. Recreation
d. Distortion
e. Mughal
f. 3 Dimensional
g. Depth
h. Symmetry
i. Intricacy
j. Tribal art
k. 2 Dimensional
l. Continuity
m. Gradation
n. Brindavan
o. Char bagh
p. Miniatures
- Chosen Option : a,b,e,h
- Correct Answer : c,e,i,k,o,p

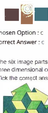
Q.5 The images below form a story board. The sequence of its images is jumbled.
Choose the right sequence of the images from the answer options given to construct the correct narrative.

Options :
a. 1,8,9,2,4,3,7,5,6
b. 1,4,9,4,2,3,7,5,4
c. 1,7,8,9,2,3,4,5,6
d. 1,4,9,2,4,3,7,5,6
- Chosen Option : b
- Correct Answer : b

Q.6 Which of the answer options aptly describe the colour mixing model of the image give below?

Options :
a. Triadic color mixing model
b. Subtractive Color mixing model
c. Additive colour mixing model
d. Tertiary colour mixing model
- Chosen Option : d
- Correct Answer : b

Q.7 What term from the given answer options would be best suited for a painting that is characterized by large areas of flat, solid color that are spread across a field or stained into the canvas creating areas of unbroken surface and a flat picture plane as seen in the representational diagram below?



Options :
a. Colour field painting
b. Colour blending
c. Gestural painting
d. Soft edge painting
- Chosen Option : b
- Correct Answer : a

Q.8 The six image parts in the answer options given, when combined together as they are, form the two dimensional composition given below.
Tick the correct answer option.

Options :
a.

b.

c.

d.

- Chosen Option : c
- Correct Answer : c

Q.9 The six image parts in the answer options given, when combined together as they are, form the three dimensional composition given below.
Tick the correct answer option.

Options :
a.

b.

c.

d.

- Chosen Option : c
- Correct Answer : b

Q.10 Which one black and white composition from the answer options given closely resembles the coloured composition given below?
Tick the correct answer option.

Options :
a.

b.

c.

d.

- Chosen Option : c
- Correct Answer : a

CAREER360

1. Cell is an organelle which is surrounded by a layer of nonstrength fibers the number of pores continuing in cytoplasm is

Options:
(1) (1.5×10^{10})
(2) (1.5×10^{8})
(3) (1.5×10^{9})
(4) (1.5×10^{7})

Correct Answer: 4

2. Which of the following are associated with the cell membrane?

Options:
(1) Acid Lipid
(2) Lipid
(3) Acid Lipid
(4) Glycoprotein

Correct Answer: 1

3. Which is the strength of 10 volume solution of hydrogen peroxide

Options:
(1) H_2O_2 (3.0%)
(2) H_2O_2 (6.0%)
(3) H_2O_2 (9.0%)
(4) H_2O_2 (12.0%)

Correct Answer: 3

4. In the compounds of hydrogen from northeast using more or 10 H in the radical can's

Options:
(1) Nitric
(2) Nitrous
(3) Nitric
(4) Nitrous

Correct Answer: 1

5. $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$ is

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

6. $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$ is

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

7. In the function $\frac{1}{\sqrt{x}}$, the function $\sqrt{x}$ takes its maximum value at

Options:
(1) $x = 0$
(2) $x = 1$
(3) $x = 2$
(4) $x = 3$

Correct Answer: 1

8. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

9. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

10. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

11. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

12. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

13. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

14. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

15. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

16. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

17. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

18. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

19. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

20. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

21. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

22. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

23. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

24. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

25. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

26. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

27. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

28. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

29. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

30. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

31. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

32. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

33. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

34. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

35. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

36. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

37. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

38. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

39. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

40. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

41. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

42. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

43. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

44. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

45. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

46. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

47. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

48. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

49. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

50. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

51. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

52. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

53. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

54. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

55. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

56. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

57. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

58. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

59. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1

60. Find the value of $\lim_{x \to 0} \frac{\sqrt{2} - \sqrt{1+\cos x}}{x^2}$

Options:
(1) $\frac{1}{2\sqrt{2}}$
(2) $\frac{1}{4\sqrt{2}}$
(3) $\frac{1}{8\sqrt{2}}$
(4) $\frac{1}{16\sqrt{2}}$

Correct Answer: 1