LPUNEST 2026 Question Paper

1. 1.0×10^{-4} M HCl is diluted 10 times. The pH of the final solution is:

(A) between 3 and 4

(B) between 4 and 5

(C) between 6 and 7

(D) equal to 7

2. 10^{-6} M NaOH is diluted 100 times. The pH of the diluted base is:

(A) between 7 and 8

(B) between 5 and 6

(C) between 6 and 7

(D) between 10 and 11

3. The pH of a solution with $[\text{H}^+] = 3.2 \times 10^{-3}$ M is closest to:

(A) 2.5

(B) 3.0

(C) 3.5

(D) 4.0

4. The pH of pure water at 25°C is:

(A) 0

(B) 5

(C) 7

(D) 14

5. Which of the following solutions is the most acidic?

(A) pH = 6

(B) pH = 4

(C) pH = 9

(D) pH = 7

6. Choose the correct synonym of the word *"Abundant"*.

(A) Scarce

(B) Plentiful

(C) Rare

(D) Limited

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7. Choose the correct antonym of the word *"Expand"*.

(A) Increase

(B) Enlarge

(C) Spread

(D) Contract

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8. Identify the correctly spelled word.

(A) Accomodation

(B) Acommodation

(C) Accommodation

(D) Accomadation

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9. Choose the correct option to fill in the blank:

She is good ___ mathematics.

(A) in

(B) on

(C) at

(D) with

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10. Choose the correct passive voice of the sentence:

"The teacher explained the lesson."

(A) The lesson explains the teacher.

(B) The lesson was explained by the teacher.

(C) The teacher was explained by the lesson.

(D) The lesson is explained by the teacher.

11. If the average of 5 numbers is 18, what is their total sum?

(A) 72

(B) 85

(C) 90

(D) 95

12. A train travels 120 km in 2 hours. What is its speed?

(A) 40 km/h

(B) 50 km/h

(C) 60 km/h

(D) 80 km/h

13. If the cost price of an article is 500 and it is sold at a profit of 10%, what is the selling price?

(A) 525

(B) 540

(C) 550

(D) 600

14. What is the simple interest on 2000 at 5% per annum for 2 years?

(A) 100

(B) 150

(C) 200

(D) 250

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15. If 3 pens cost 45, what is the cost of 10 pens?

(A) 100

(B) 120

(C) 150

(D) 180