

21. Which one of the following fertilizers provides the nitrogen and phosphorus to the plant?

- A. urea B. calcium superphosphate
C. diammonium phosphate D. potassium nitrate

Answer: Option C

22. The potassium present in plant help the plant to

- A. form starch sugar and fibrous material B. ripen the seeds and fruits
C. increase the resistance against disease D. all the above statements are correct

Answer: Option D

23. Cement is a mixture of

- A. clay and clinker B. clay lime stone and gypsum
C. lime stone and gypsum D. lime stone and clay

Answer: Option B

24. What is clinker?

- A. roasted calcareous material B. roasted argillaceous material
C. roasted calcareous and argillaceous material D. roasted gypsum

Answer: Option C

25. Cement is a mixture of so many compounds roasted in rotary kiln. Which substances has greater percentage?

- A. Lime (CaO) B. Silica (SiO₂)
C. Alumina (Al₂O₃) D. Magnesia (MgO)

Answer: Option A

26. Which one of the following raw material is not present in the cement?

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| <u>A.</u> lime stone | <u>B.</u> gypsum |
| <u>C.</u> KNO ₃ | <u>D.</u> iron oxide |

Answer: Option D

27. Which sequence of steps is correct for the manufacture of cement?

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| <u>A.</u> crushing heating mixing grinding | <u>B.</u> crushing mixing heating grinding and mixing |
| <u>C.</u> crushing grinding mixing heating | <u>D.</u> mixing heating grinding crushing |

Answer: Option C

28. The sequence of zones in the rotary kiln are as

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| <u>A.</u> dry zone burning zone
decomposition zone cooling zone | <u>B.</u> cooling zone burning zone
decomposition zone dry zone |
| <u>C.</u> burning zone cooling zone
decomposition zone | <u>D.</u> dry zone decomposition zone
burning zone cooling zone |

Answer: Option D

29. The composition of mixture of clay and lime stone in the raw for cement material is

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|---------------------------------------|---------------------------------------|
| <u>A.</u> 75% lime stone and 25% clay | <u>B.</u> 25% lime stone and 75% clay |
| <u>C.</u> 15% lime stone and 55% clay | <u>D.</u> 55% lime stone and 15% clay |

Answer: Option A

30. The important function of burning zone in the rotary kiln is

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| <u>A.</u> to dry the moisture of slurry | <u>B.</u> to decompose lime stone to unslaked lime |
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- C. combination of different oxides like CaO SiO₂ Fe₂O₃ and Al₂O₃
- D. to reduce the impurities

Answer: Option C

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