

B.SC.Sem – III
July-Sep – 2021
CHEMISTRY : SE: CH- 301B.-CERAMICS

કુલ સમય :- ૩૦ મીનીટ

કુલ પ્રશ્નો : ૩૫

વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૨૫

નોંધ : વિદ્યાર્થીએ માત્ર ૨૫ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૨૫ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે

- 1 Which ceramic product can be heated to the highest temperature?
A.White ware B.Refractory C.Enamels D.Glass
- 2 Which of the following ceramics products is not included in white ware section?
A.China clay utensils B.pottery C.Sanitary ware D.Bricks for construction
- 3 Which ceramic product can be heated to the low temperature?
A.White ware B.Heavy clay products C.Enamels D.Glass
- 4 In which country did the ancient pottery industry first develop ?
A.Egypt B.Russia C.England D.India
5. What do fire extinguisher included?
A.Bricks for construction B.China clay utensils C.Tiles D.None of these
6. What is mainly not in the Soil ?
A.Pure aluminium silicate B.imPure aluminium C.silicate D.Feldspar Iron's oxides
7. What is the formula of soda feldspar?
A. $K_2O \cdot Al_2O_3 \cdot 6 SiO_2$ B. $CaO \cdot Al_2O_3 \cdot 6 SiO_2$ C. $Na_2O \cdot Al_2O_3 \cdot 6 SiO_2$ D.None of these
- 8 Which section of ceramics has the lowest amount of flux?
A.Heavy clay products B.Fire retardant products C.White ware D.enamels
- 9 Which ceramic product can be fully vitrified?
A.Enamels B.Glass C.Both A & B D.None of these
10. What is the basic ingredient used in ceramic industry?
A.Clay B.Feldspar C.Sand(silica) D.All of these
11. Due to which special properties of clay can it be shaped?
A.porosity B.Plasticity C.Cracking D.Slattering
12. Ceramics products are classified for what purpose?
A.Verification B.porosity C.Both A & B D.None of these
13. Whose complete verifications take place?
A.enamels B.Heavy clay products C.Fire retardant products D.White ware
14. Which of the following ceramic products does not included in glass section?
A.Sanitary ware B.Bricks for construction C.Tiles D.All f these
15. What type of refractory are silicone bricks?
A.Acidic. B.Basic C.Neutral D.All of these
16. What is enamel glass called?
A.Silica B.Frient C.Alumina D.Borax
17. What is used as a fluxing agent in ceramic industries?
A.Potassium Feldspar B.Soda Feldspar C.lime Feldspar D.All of these
18. What is the process of coating of molten glass on porous ceramic devices called?
A.Glazing B.Drying C.Cooling D.Wetting
19. Which ceramics products have higher flux?
A.White ware B.Heavy clay products C.Both A & B D.None of these
20. Ceramic products can be obtained by heating between which periods of temperature?
A.100-200 °C B. 700-2000 °C. C.300-500 °C. D.200-300 °C.

21. By which method of preparation the white ware products can be prepared?

- A.Wet B.Dry C.Cast porcelain D.All of these

22.What does not affect the refractory?

- A.Heat B.Chemicals C.Acid and Base D.All of these

23. Whose chemical formula is $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$

- A.Borex B.Criolite C.Feldspar D.Flourspar

24. What is used to avoid the risk of cracking in ceramic product?

- A. Clay B. Feldspar C. Sand (silica) D. None of these

25. Which of these refractories is used to make a wall inside the boiler?

- A.Fire retardant bricks B.Silica C.bricks D.Alumina Silicon carbide

26. High alumina bricks are used in the production of what?

- A.Cement B.Paper Booth C.A and D.B D.None of these

27.What are the advantages of continuous working furnaces?

- A.Lower Labour Cost B.Higher heating Capacity C.Lower processing time D.All of these

28 What is used in ceramic industries to lower the melting temperature?

- A.Clay B.Feldspar C.Sand(silica) D.Flux

29. Mulite is a stable combination of which two substances?

- A. Alumina + Silica B. Alumina + Clay C. Silica + Feldspar D. Silica + Borax

30. Whose chemical formula is $3\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2$

- A.Cristobelite B. Mulite C.Borax D.Cariolite

31.What is the type of fireproof bricks?

- A.Neutral B. Basic C.Acidic D.All of these

32.Which methoD.is useful for making high grade insulator?

- A.Wet B.Cast porcelain C.Dry D.All of these

33. What is the inner wall of the shaft made of ?

- A.Silica B.Alumina C.Plaster of Paris D.Borax

34. Glazing is an important process of which devices?

- A.White ware B. Table ware C.Both A & B. D.Fire extinguisher

35. What is the chemical formula of Cryolite?

- A. H_3BO_3 B. CaF_2 C. Na_3AlF_6 D. K_2CO_3