

SOME IMPORTANT MAN MADE MATERIALS BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams

Created By [Careericons](#) Team

Q1. Which of the statements about glass are correct?

- Glass is a super-cooled liquid having infinite viscosity.
- Violet coloured glass is obtained by adding MnO_2 .
- Glass is a man-made silicate.
- Glass is a crystalline substance.

Select the correct answer using the codes given below.

- a) 1, 2 and 3
b) 2, 3 and 4
c) 1, 2 and 4
d) 1 and 3
-

Q2. Potash (Potassium carbonate) is used as a fertilizer. It is also known as

- a) pearl ash
b) oil of vitriol
c) azo compound
d) Glauber's salt
-

Q3. Which one of the following contains cobalt ?

- a) Vitamin A
b) Vitamin B_{12}
c) Riboflavin
d) Vitamin B_6
-

Q4. Which one of the following is a vitamin?

- a) Oxalic acid
- b) Ascorbic acid
- c) Benzoic acid
- d) Formic acid

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Q5. The major component used in preparation of different types of glasses is

- a) calcium silicate
- b) sodium borate
- c) silica
- d) sodium silicate

Q6. The principle of cleaning by soap is

- a) viscosity
- b) floatation
- c) surface tension
- d) elasticity

Q7. The aqueous solution of one of the following vitamins is dark in colour

- a) B₆
- b) B₂
- c) B₁
- d) B₁₂

Q8. The property of plasticity is shown by clay , when it is

- a) dried at room temperature after kneading
 - b) heated strongly
 - c) mixed with proper proportion of water
 - d) glazed
-

Q9. The most important raw materials used in the manufacture of cement are

- a) transition metal oxides, sodium hydroxide or potassium hydroxide
 - b) limestone, clay and gypsum
 - c) potassium nitrate, charcoal and sulphur
 - d) limestone, sodium carbonate and silica
-

Q10. Glass is actually

- a) an elastic solid
 - b) an ionic solid
 - c) a crystalline solid
 - d) a vitrified liquid
-

Q11. Flint glass is obtained from which of the following ?

- a) Sodium aluminum borosilicate
 - b) Sand, red lead and potassium carbonate
 - c) Zinc and barium borosilicate
 - d) Pure silica and zinc oxide
-

Q12. Night-blindness is caused due to the deficiency of

- a) Vitamin C
- b) Vitamin A
- c) Vitamin D
- d) Vitamin B

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Q13. Which one of the following correctly defines the state of glass?

- a) Condensed gas
- b) Super cooled liquid
- c) Crystalline solid
- d) Liquid crystal

Q14. Washing soaps are potassium and sodium salts of

- a) mineral acids
- b) fatty acids
- c) dicarboxylic acids
- d) None of these

Q15. What is the composition of nitrolim – a chemical fertilizer ?

- a) Calcium carbide and carbon
- b) Calcium carbide and nitrogen
- c) Nitrogen and limestone
- d) None of these

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Answers to the above questions :

Q1. Answer: (d)

Glass is an amorphous substance.

Q2. Answer: (a)

Q3. Answer: (b)

Vitamin B₁₂ (Cyanocobalamines): Cobalamine has by far the most complicated structure of all the vitamins.

It has a cobalt atom in the centre. It also has – CN groups in its structure.

It is a pink-coloured crystalline, water soluble vitamin.

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Q4. Answer: (b)

Vitamin C is chemically ascorbic acid.

Q5. Answer: (c)

The major component used in the preparation of different types of glasses is silica.

Q6. Answer: (c)

Soaps form surface films, reduce surface tension of solution and help in removing dirt and dust by emulsifying grease.

Q7. Answer: (d)

The aqueous solution of vitamin B₁₂ is dark in colour.

Q8. Answer: (c)

Q9. Answer: (b)

Cement is manufactured with limestone, clay and gypsum.

Q10. Answer: (a)

Glass is actually an elastic solid. H₂O and aqueous NaOH can be differentiated with the help of red litmus.

Q11. Answer: (b)

Flint glass is obtained from red lead and potassium carbonate.

Q12. Answer: (b)

Night-blindness is caused due to the deficiency of vitamin A.

Q13. Answer: (b)

Glass is an amorphous, hard, brittle, super cooled liquid.

Q14. Answer: (b)

Q15. Answer: (d)

Calcium cyanamide (CaCN_2) mixed with carbon (C) is called nitrolim.

$\text{CaC}_2 + \text{N}_2 \rightarrow \text{CaCN}_2 + \text{C}$? {Cal.Carbide} ? {CaCN₂ + C} ? {Nitrolim}

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