

MIT-WPU CET Design UG

Sample Questions

Logical Reasoning	Marks
1. If 'I am young' is written as '2 4 7' and 'Sheetal is young' as '6 1 4' and 'I like Sheetal' as '5 7 6', then 'I' is written as: (A) 4 (B) 2 (C) 5 (D) 7	1
2. If 'SUGGESTION' is written as '!@%*!(&^#' and 'SAMPLE' as '!\$></*', then 'GESTATION' is written as: (A) %*!(\$&^# (B) %*!)\$(&^# (C) %*!(S)&^# (D) %*!(\$&^#	1
3. In a certain code, 'TURKEY' is written as 'USUOZE'. How is 'PARIS' written in that code? (A) QUYEX (B) QYUEX (C) QYEUX (D) QYVEX	1
Basic English	Marks
4. ----- he wouldn't wait at the door for ages, I put the key under the mat for my new flatmate, who had left home in a hurry, yesterday. (A) Hence (B) But (C) In order that (D) On grounds of	1
5. There are 20 species of wild roses in North America, ----- have prickly stems, pinnate leaves, and large flowers that usually smell sweetly. (A) both of which (B) none of its (C) some of whom (D) all of which	1
6. Frost occurs in valleys and on low grounds ----- on adjacent hills. (A) more frequently than (B) as frequent as (C) so frequent that (D) frequently enough	1
Environmental Awareness	Marks
7. Pandemic is a situation which effects: (A) local area, (B) local state (C) worldwide (D) oceans	1
8. Which one of the chemicals is responsible for the reduction of ozone content of the atmosphere? (A) SO ₂ (B) Chlorofluoro carbon (C) HCL (D) Photochemical smog	1
9. Acid rains occur when atmosphere is heavily polluted with: (A) CO, CO ₂ (B) Smoke particles (C) Ozone (D) SO ₂ and NO ₂	1
Design Sensitivity	Marks
10. Why is Statue Of Liberty green in colour ? (A) Because it is decaying (B) Weathering of Copper (C) Oxidation Effects (D) Because of Fungus	1
11. If a colour is made darker by adding black, the result is called a . (A) Shade (B) Chroma (C) Tone (D) Tint	1

12. The series 1,1,2,3,5,.. belong to 1
(A) power series (B) harmonic number
(C) Taylor series (D) none of these

Visualization

Marks

13. Mr "X" and Mr "Y" are good friends. Mr "X" borrows 2 lakhs (without any interest) from Mr "Y" and agrees to pay back 'Half' of the 'outstanding amount' every year. How many years Mr "X" takes to pay back the entire money 1
(A) 16 Years (B) 32 Years
(C) 64 Years (D) None of the these
14. Pappu's mummy leaves home for office at 8:05 am and returns home at 11:15 pm. In this period how many times would Pappu see the minute and hour hands of their clock line up along a straight line 1
(A) 30 (B) 15
(C) 14 (D) 28
15. In pigment colors, if Green is Blue, Yellow is Green, Blue is White and Red is Yellow, what is the complementary color of White and Green? 1
(A) Orange (B) Purple
(C) Red (D) Green

Drawing Test

Marks

16. **Design a Modular Bookshelf for Limited Space** 20
Design a modular bookshelf that can be easily adapted for various room sizes, making it suitable for small apartments or offices. Provide a detailed technical drawing of your design, ensuring to include the following aspects:
1. **Dimensions and Components:** Specify the overall dimensions (height, width, depth) of the bookshelf and the dimensions of individual sections, including shelves and compartments. Clearly label each component.
 2. **Modular Design and Adjustability:** Illustrate the modular nature of the bookshelf, showing how it can be adjusted, expanded, or stacked to fit different spaces. Demonstrate how the individual modules can be assembled and disassembled.
 3. **Materials and Stability:** Indicate the materials used for the bookshelf (e.g., wood, metal, glass, etc.), explaining why each material is suitable for the design. Ensure the design is stable and can support the weight of books or other items.

Important Note: These are sample question(s) and not representing actual questions of examinations. Also number of questions in entrance examination would be as per exam pattern