

SEAT NO: \_\_\_\_\_

SUPERVISOR'S SIGN : \_\_\_\_\_

**UNIVERSITY OF MUMBAI'S**  
**GARWARE INSTITUTE OF CAREER EDUCATION AND DEVELOPMENT**  
**MASTER IN SUSTAINABLE DEVELOPMENT AND ENVIRONMENT MANGEMENT**  
**ENTRANCE EXAM**

**Date: 14<sup>TH</sup> July 2017**

**Time 11am to 12noon**

**Marks:50**

- Note: 1) Write your **SEAT NO** on this answer sheet  
2) All questions are compulsory  
3) Attempt Multiple Choice Questions by ticking (✓) on this answer sheet  
4) Rough work should not be done on ANSWER SHEET. A blank page is enclosed for rough work  
5) There is no negative marking.

**I] MULTIPLE CHOICE QUESTIONS (25 Marks)**

1. The dispute over Siachin Glacier area belt is between :  
a. India and China    b. India and Pakistanc. China and Pakistan    d. Bhutan and Nepal
2. In which sports event has the Indian athlete NarainKarthikeyan distinguished himself?  
a. Shooting    b. Golf    c. Motor Racing    d. Billiards
3. BrahMos Missile is a joint venture of \_\_\_\_  
a. Russia & India    b. China & India    c. U. S. A & India    d. France & India
4. Which country is known as ' Land of Thousand Lakes' ?  
a. Canada    b. Norway    c. Finland    d. Nepal
5. A crossed cheque implies that :  
a. It cannot be cashed through another bank  
b. It is not forged  
c. Payment has to be taken by the payee at the counter  
d. Payment can be credited to bank account only
6. Whose signature is found on one rupee note in India?  
a. Governor, Reserve Bank of India  
b. Finance Secretary, Ministry of Finance Government of India  
c. Finance Minister, Government of India  
d. President of India
7. The Constitution Day is celebrated on which date in India?  
a. 25 November    b. 24 November    c. 27 November    d. 26 November
8. Where is the Koyna multipurpose hydroelectric power project situated?  
a. Madhya Pradesh    b. Gujarat    c. Maharashtra    d. Himachal Pradesh



9. Which of the following is not a manmade material?  
a. D. D. T. b. silk penicillin d. nylon
10. In electrolysis of water, oxygen is collected at \_\_\_\_  
a. anode b. cathode c. both electrodes d. none of the electrodes
11. Which of the following statements is a correct ?  
a. water cools in both, earthenware and porcelain  
b. water doesn't cool in both, earthenware and porcelain  
c. water cools in earthenware but not in porcelain  
d. water cools in porcelain but not in earthenware
12. In a dry cell the positive pole is \_\_\_\_  
a. carbon rod b. zinc container c. ammonium chloride d. brass cap
13. Soap becomes ineffective in hard water because of presence of salts of \_\_\_\_  
a. copper b. calcium c. aluminum d. potassium
14. Which of the following is a true solution?  
a. salt water b. milk c. muddy water d. air
15. The color of methyl orange in alkaline medium is \_\_\_\_  
a. yellow b. pink c. red d. blue
16. Complete the following number series: 7, 34, 98, 223, 439, \_\_\_\_  
a. 782 b. 784 c. 781 d. 780
17. A and B are married. They have a son C. Who is the father of C? To answer this question which of the statements is necessary? 1. D is the grandfather of C who has only one daughter  
2. B is the only daughter of her parents  
a. Only 1 b. Only 2 c. Both 1 and 2 d. Either 1 or 2
18. Sameer decides to drive to the mall for shopping. The directions given are: drive 2 km North, take a right and drive 4km, turn left and you will see the mall after 3 km. Sameer follows all instructions except 1. He takes a left at the point he was supposed to take a right. How far (in km) is he from his actual destination?  
a. 8 b. 6 c. 10 d. 9
19. Damini jogs 500 m towards South. She takes a U-turn and walks 200 m. She turns left and jogs another 400 m. How far (in km) is she from her starting point?  
a. 0.5 b. 0.7 c. 0.3 d. none of these
20. Kunal, Varsha, Raunak, Karuna and Sowmya have five cycles of five different colours - Blue, White, Red, Orange and Green. The Green cycle is the smallest of all the cycles and Karuna owns it. Sowmya's cycle is neither Blue nor White and is taller than the cycles owned by Varsha and Raunak. One person's name starts with the same letter as the first









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**III] GIVE THE FULL FORMS OF THE FOLLOWING: (10 Marks)**

1. MPCB: \_\_\_\_\_
2. HPLC : \_\_\_\_\_
3. VAT: \_\_\_\_\_
4. MGNREGS: \_\_\_\_\_
5. ATM: \_\_\_\_\_
6. ISRO: \_\_\_\_\_
7. JNU: \_\_\_\_\_
8. UNICEF: \_\_\_\_\_
9. GTP: \_\_\_\_\_
10. HIV: \_\_\_\_\_

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GARWARE INSTITUTE OF CAREER EDUCATION AND DEVELOPMENT  
MASTER IN SUSTAINABLE DEVELOPMENT AND ENVIRONMENT MANGEMENT

ENTRANCE EXAM

SECOND ROUND

Date: 09-08-17

Time 11am to 12noon

Marks:50

Note: 1) Write your SEAT NO on this answer sheet

2) All questions are compulsory

3) Attempt Multiple Choice Questions by ticking (✓) on this answer sheet

4) Rough work should not be done on ANSWER SHEET. A blank page is enclosed for rough work

5) There is no negative marking.

**I] MULTIPLE CHOICE QUESTIONS (25 Marks)**

1. The World Environmental Day is celebrated on  
a. December 1                      b. June 5                      c. November                      d. August 15
2. Which of the following compounds are toxic air contaminants from diesel exhaust?  
a. Formaldehyde                      b. Toluene                      c. Dioxin                      d. All of the mentioned
3. The correct relation between theoretical oxygen demand, Biochemical oxygen demand and chemical oxygen demand is  
a. TOD>BOD>COD                      b. TOD>COD>BOD                      c. BOD>COD>TOD                      d. COD>BOD>TOD
4. The dispute over Siachin Glacier area belt is between :  
a. India and China                      b. India and Pakistan  
c. China and Pakistan                      d. Bhutan and Nepal
5. Alum as a coagulant is found to be most effective when pH range of water  
a. 2 to 4                      b. 4 to 6                      c. 6 to 8                      d. 8 to 10
6. Excess Flouride in drinking water is likely to cause  
a. Blue baby syndrome                      b. Fluorosis                      c. Change in taste and odour                      d. cancer
7. Select the combination of numbers so that letters/word arranged accordingly will form a meaningful word. I N L A S G 1 2 3 4 5 6  
a. 6 1 3 5 4 2                      b. 5 1 6 2 4 3                      c. 3 4 6 1 2 5                      d. 2 4 3 6 1 5



8. The Independence Day is celebrated on which date in India?  
a. 26 August      b. 26 January      c. 15 August      d. 15 January

9. A crossed cheque implies that :  
a. It cannot be cashed through another bank  
b. It is not forged  
c. Payment has to be taken by the payee at the counter  
d. Payment can be credited to bank account only

10. Which of the following is used as antiknock compound in gasoline?  
a. tetramethyl lead    b. tetraethyl lead    c. trimethyl lead    d. triethyl lead

11. Where is the Koyna multipurpose hydroelectric power project situated?  
a. Madhya Pradesh    b. Gujarat      c. Maharashtra      d. Himachal Pradesh

12. Newspaper : Editor :: Film : ?  
a. Actor      b. Director      c. Audience      d. Producer

13. In electrolysis of water, oxygen is collected at \_\_\_\_  
a. anode      b. cathode      c. both electrodes      d. none of the electrodes

14. A and B have to cross 1400 metres distance and the time (in minutes) taken by them is the ratio of 3 : 7. If B take 16 minutes more than A then what is B's speed (in kms) per hour?  
a. 7      b. 5.25      c. 3      d. 2.5

15. Which of the following statements is a correct ?  
a. water cools in both, earthenware and porcelain  
b. water doesn't cool in both, earthenware and porcelain  
c. water cools in earthenware but not in porcelain  
d. water cools in porcelain but not in earthenware

16. Mohan and Sohan starting from one point are walking in opposite directions. Mohan walked 5 km and Sohan walked 6 km. Thereafter both turned to their right and walked 2 km, then turned to right and walked 3 km and turned to right and walked 2 km. How much distance apart they are from each other?  
a. 2 km    b. 3 km    c. 4 km    d. 5 km

17. Complete the following number series: 7, 34, 98, 223, 439, \_\_\_\_  
a. 782      b. 784      c. 781      d. 780

18. Which of the following pairs does not show radioactivity?  
a. Thorium, Radium    b. Bismuth, Polonium  
c. Zinc, Plutonium    d. Krypton, Gold

19. Damini jogs 500 m towards South. She takes a U-turn and walks 200 m. She turns left and jogs another 400 m. How far (in km) is she from her starting point?  
a. 0.5      b. 0.7      c. 0.3      d. none of these







**III] GIVE THE FULL FORMS OF THE FOLLOWING: (10 Marks)**

1. NASA: \_\_\_\_\_
2. GC : \_\_\_\_\_
3. CPCB: \_\_\_\_\_
4. GST: \_\_\_\_\_
5. AIDS: \_\_\_\_\_
6. FDA: \_\_\_\_\_
7. IGNOU: \_\_\_\_\_
8. UNICEF: \_\_\_\_\_
9. ATP: \_\_\_\_\_
10. BIS: \_\_\_\_\_

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