

GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT

VIDYANAGRI, KALINA, SANTACRUZ (EAST) MUMBAI

Exam Questions Paper

Subject Name : MSCSDEM

Paper Set : 1

Exam Name : MSCSDEM ENTRANCE EXAM 24 JUNE 2023

Exam Date : 24/06/2023

Duration : 01:20Hour

Max Marks : 50.00

Q 1. If KEYS= MDAR, then LOCK= ? 2.00 Marks(Easy)

- A) NNEJ B) JENN C) NEJ
D) JENJ

Q 2. Pointing towards a girl, a man said to a woman, “Her mother is the only daughter of your mother.” How is the girl related to that woman? 2.00 Marks(Easy)

- A) Aunt B) Daughter C) Sister
D) Wife

Q 3. Which of the following is the major cause leading to highest number of deaths of children in neonatal period? 2.00 Marks(Easy)

- A) Prematurity & low birth weight B) Congenital anomalies C) Pneumonia
D) Diarrhoeal disease

Q 4. 15, 33, 69, 141, ____, 573, 1149 2.00 Marks(Easy)

- A) 151 B) 285 C) 169
D) 456

Q 5. An astronaut in outer space will observe sky as _____ 2.00 Marks(Easy)

- A) White B) Black C) Blue
D) Red

Q 6. Feel blue means ----- ?

2.00 Marks(Easy)

- A) Feel Sad B) Feel angry C) Feel energetic
D) Feel happy
-

Q 7. Find the odd number in the series: 6, 12, 20, 30, 42, 54, 72, 90, 110

2.00 Marks(Easy)

- A) 20 B) 90 C) 42
D) 54
-

Q 8. Full form of CNG

2.00 Marks(Easy)

- A) Common Natural Gas B) Common National Gas C) Compressed Natural Gas
D) Certified Natural Gas
-

Q 9. Give the passive voice of this sentence: Ramesh gave the beggar an old shirt.

2.00 Marks(Easy)

- A) An old shirt was given to Ramesh by the beggar. B) The beggar was gave an old shirt by Ramesh.
C) An old shirt was gave to the beggar by Ramesh.
D) An old shirt was given to the beggar by Ramesh.
-

Q 10 HIV is a

2.00 Marks(Easy)

- A) Lentivirus B) Capripoxvirus C) Gallivirus
D) Papillomavirus
-

Q 11 Humans are unable to digest

2.00 Marks(Easy)

- A) Starch B) complex carbohydrates C) cellulose
D) denatured proteins
-

Q 12 Let this be an example ___ the troublemakers.

2.00 Marks(Easy)

- A) for B) against C) to
D) about
-

Q 13 Ozone layer presents in our atmosphere absorb 2.00 Marks(Easy)

- A) Visible rays B) Cosmic rays C) Infra-red rays
D) Ultraviolet rays
-

Q 14 T-cells are produced from 2.00 Marks(Easy)

- A) Bone marrow B) Bursa of Fabricius C) Thymus
D) Spleen
-

Q 15 Telecom company Nokia belongs to which country? 2.00 Marks(Easy)

- A) Finland B) USA C) Sweden
D) Denmark
-

Q 16 The calendar for the year 2001 is same for which of the following year? 2.00 Marks(Easy)

- A) 2007 B) 2005 C) 2006
D) 2011
-

Q 17 The hottest planet in the solar system is _____ 2.00 Marks(Easy)

- A) Mercury B) Venus C) Mars
D) Jupiter
-

Q 18 The United Nations Organization has its Headquarters at _____ 2.00 Marks(Easy)

- A) Bali B) Hague C) New York, USA
D) Washington DC
-

Q 19 There are 50 students of whom 47 are present. What % is absent? 2.00 Marks(Easy)

- A) 0.08 B) 0.03 C) 0.06
D) 0.12
-

Q 20 What is bio-fortification?

2.00 Marks(Easy)

- A) Breeding crops to increase nutrition value B) Add nutrients to food while processing the food C) Using natural fertilizers to protect crops
D) Preparing genetically modified species
-

Q 21 Which of the following city is organizing the recent G20 summit going to be held in 2023?

2.00 Marks(Easy)

- A) Brisbane B) Osaka C) India
D) Australia
-

Q 22 Which of the following is not a search engine?

2.00 Marks(Easy)

- A) Google Chrome B) Google C) Bing
D) Yahoo
-

Q 23 Which of the following is not considered as a temperature scale?

2.00 Marks(Easy)

- A) Fahrenheit B) Celsius C) Kelvin
D) Calorie
-

Q 24 WHICH ONE IS Correct ?

2.00 Marks(Easy)

- A) Handkerchaf B) Handkerchief C) Handcarchief
D) Henkerchief
-

Q 25 World water day is celebrated on

2.00 Marks(Easy)

- A) 44562 B) 44621 C) 44593
D) 44652
-

GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT

VIDYANAGRI, KALINA, SANTACRUZ (EAST) MUMBAI

Exam Questions Paper

Subject Name : MSCSDEM

Paper Set : 1

Exam Name : MSCSDEM ENTRANCE EXAM MAY 2023

Exam Date : 17/05/2023

Duration : 01:10Hour

Max Marks : 50.00

Q 1. 26th January, 1996 was a Friday. What day of the week lies on 26th January, 1997? 2.00 Marks(Easy)

- A) Saturday B) Sunday C) Monday
D) Thursday

Q 2. A firewall is used in a computer for 2.00 Marks(Easy)

- A) security B) monitoring C) authentication
D) data transmission

Q 3. AIDS is 2.00 Marks(Easy)

- A) Acquired Immunity Deficiency Syndrome B) Acquired Immuno Deficiency Syndrome C) Acquired Immune Defective Symptom
D) Acquired Immunity Deficiency Symptom

Q 4. Ashwin introduces Rohit as the son of the only brother of his father's wife. How is Ashwin's mother related to Rohit? 2.00 Marks(Easy)

- A) Uncle B) Cousin C) Sister
D) Aunt

Q 5. At the drop of the hat means----- ? 2.00 Marks(Easy)

- A) As soon as it was spoken B) Done easily, without any preparation C) Done in an instant
D) After something is done

Q 6. Every boy and girl _____ in the class today. 2.00 Marks(Easy)

- A) are present B) had present C) is present
D) have present
-

Q 7. Find the odd number in the series: 3, 5, 7, 14, 17, 19 2.00 Marks(Easy)

- A) 3 B) 17 C) 7
D) 14
-

Q 8. Find which of the following number is divisible by 11? 2.00 Marks(Easy)

- A) 246542 B) 415624 C) 146532
D) 426513
-

Q 9. High Bilirubin levels is sign for 2.00 Marks(Easy)

- A) Hyperthyroidism B) Swine Flu C) Japanese Encephalitis
D) Jaundice
-

Q 10 If LIFE is coded as FELI, how is MORE coded as 2.00 Marks(Easy)

- A) REMO B) EROM C) OREM
D) MERO
-

Q 11 If you write down all the numbers from 1 to 100, then how many times do you write 3? 2.00 Marks(Easy)

- A) 11 B) 18 C) 20
D) 21
-

Q 12 In isotopes the number of neutrons are 2.00 Marks(Easy)

- A) different B) same C) both
D) zero
-

Q 13 Jackson and Kate _____ all this time. 2.00 Marks(Easy)

- A) have been collaborating B) have to collaborate C) collaborate
D) collaborates
-

Q 14 pH value of acidic solution is 2.00 Marks(Easy)

- A) <7 B) >7 C) 14
D) 7
-

Q 15 The catalyst sensitive to temperature changes is 2.00 Marks(Easy)

- A) Enzyme B) Fe C) Pt
D) Ni
-

Q 16 The civilian award bestowed by the president of India to persons for rendering exceptional and distinguished service in any field is 2.00 Marks(Easy)

- A) Padma Bhushan B) Padma Shri C) Bharat Ratna
D) Padma Vibhushan
-

Q 17 The full form of USB is 2.00 Marks(Easy)

- A) Universal serial bus B) Ultra serial bus C) Uniform serial bus
D) Universal Service bus
-

Q 18 The largest operating hybrid nuclear desalination plant in the world is located at 2.00 Marks(Easy)

- A) Mumbai B) Kudankullam C) Kalpakkam
D) Chennai
-

Q 19 The process of copying files to a CD-ROM is known as _____ 2.00 Marks(Easy)

- A) Burning B) Zipping C) Digitizing
D) Ripping
-

Q 20 What is a 'transcriptome'?

2.00 Marks(Easy)

- A) A slice of gene B) A set of all molecules that make up a gene C) Set of all messenger RNA molecules in one cell
- D) Words written on a grave
-

Q 21 What is the full form of DBMS?

2.00 Marks(Easy)

- A) Data of Binary Management System B) Database Management System C) Data Backup Management System
- D) Database Management Service
-

Q 22 When was G20 established?

2.00 Marks(Easy)

- A) 2000 B) 1995 C) 1985
- D) 1999
-

Q 23 Which one among the following agents is added to domestic LPG cylinder to help in the detection of gas leakage?

2.00 Marks(Easy)

- A) Ethyl Mercaptan B) Methanol C) Ethanol
- D) Chloroform
-

Q 24 Which one is correct ?

2.00 Marks(Easy)

- A) Superintendent B) Supperitanden C) Suprientend
- D) Supritendent
-

Q 25 Which protocol permits users to transfer files from the server to their client computer, and vice versa?

2.00 Marks(Easy)

- A) HTTP B) FTP C) SMTP
- D) IMAP
-

ROLL NO. _____

SUPERVISORS SIGN : _____

UNIVERSITY OF MUMBAI'S
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT
M.SC. (SUSTAINABLE DEVELOPMENT & ENVIRONMENT MANAGEMENT)
(MScSDEM)
Entrance Exam 2024

DATE : 18-May-24

TIME : 11 AM TO 12 NOON

MARKS : 50

NOTE: ➤ DO NOT CARRY MOBILE / DIGITAL WATCH IN THE EXAMINATION HALL
➤ PLEASE TICK THE CORRECT ANSWER (2 MARKS EACH)

- 1) An example of a non-renewable, non-fossil energy resource is
 - a. Oil
 - b. Coal
 - c. Tidal
 - d. Uranium

- 2) How much percentage of nitrogen consist in Earth's atmosphere?
 - a. 25%
 - b. 12%
 - c. 92%
 - d. 78%

- 3) Second law of thermodynamics deals with
 - a. Creation of matter in the universe
 - b. Energy cannot be created or destroyed
 - c. All systems are in thermal equilibrium
 - d. Entropy in system

- 4) Identify **non Green House Gas** (GHG) from below
 - a. Methane
 - b. Nitrous Oxide
 - c. Sulphur Hexafluoride
 - d. Carbon Monoxide

- 5) Which state of India is known as 'Tiger State'?
 - a. Gujarat
 - b. West Bengal
 - c. Assam
 - d. Madhya Pradesh

- 6) pH meter measures
 - a. H ions activity
 - b. Al ions
 - c. H ions concentrations
 - d. All of the above

- 7) An astronaut in outer space will observe sky as
 - a. White
 - b. Black
 - c. Blue
 - d. Red

- 8) Total number of bone found in an adult human are
- 212
 - 206
 - 202
 - 200
- 9) The World Meteorological organization has its Headquarters at _____
- Bali
 - Hague
 - Geneva, Switzerland
 - Washington DC
- 10) India's First Smart City with a Smart addressing system is _____
- Indore
 - Mumbai
 - Chennai
 - Kolkata
- 11) People from which state celebrate their harvest festival around Makar Sankranti?
- Kerala
 - Punjab
 - Karnataka
 - Tamil Nadu
- 12) The hottest planet in the solar system?
- Mercury
 - Venus
 - Mars
 - Jupiter
- 13) The civilian award bestowed by the president of India to persons for rendering exceptional and distinguished service in any field is
- Bharat Ratna
 - Padma Shri
 - Padma Vibhushan
 - Padma Bhushan
- 14) Which of the following domains is used for education industry?
- .net
 - .edu
 - .com
 - .org
- 15) Which of the following is a non-conventional learning programme in higher education?
- Swayam
 - Face-to-face teaching-learning
 - Tutorial class
 - Seminar

16) Given the following email fields, which of the email addresses will 'swami' be able to see when he receives the message? Mail-

To... ram@test. com

Cc... raj@test. com; ravi@test. com

Bcc... swami@test. com; rama@test. com

Codes:

- a. ram@test. com
- b. ram@test. com; raj@test. com; ravi@test. com
- c. ram@test. com; rama@test. com
- d. ram@test. com; rama@test. com; raj@test. com; ravi@test. com

17) Hexagon _____ six sides.

- a. have had
- b. had
- c. has
- d. have

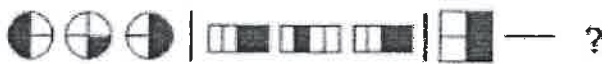
18) WHICH ONE IS Correct ?

- a. Handkerchaf
- b. Handcarchief
- c. Henkerchief
- d. Handkerchief

19) Feel blue means ----- ?

- a. Feel Sad
- b. Feel happy
- c. Feel energetic
- d. Feel angry

20) Look carefully at the sequence of symbols to find the pattern. Select correct pattern.



(1)

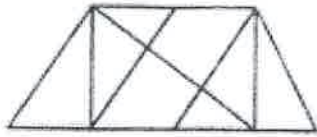
(2)

(3)

(4)

- a. 1
- b. 2
- c. 3
- d. 4

- 21) . Find the number of triangles in the given figure.



- a. 8
- b. 10
- c. 12
- d. 14

- 22) OTE, PUF, QVG, RWH, ?

- a. SYJ
- b. TXI
- c. SXJ
- d. SXI

- 23) What is the average of first five natural numbers?

- a. 5
- b. 2
- c. 3
- d. 4

- 24) What is the product of all the numbers in the dial of a telephone?

- a. 158480
- b. 159450
- c. 0
- d. 1480

- 25) Let this be an example ____ the troublemakers.

- a. in favour of
- b. against
- c. to
- d. about

ROLL NO. _____

SUPERVISORS SIGN : _____

UNIVERSITY OF MUMBAI'S
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT
M.SC. (SUSTAINABLE DEVELOPMENT & ENVIRONMENT MANAGEMENT)
(MScSDEM)

Entrance Exam 2024

DATE : 06-Apr-24

TIME : 11 AM TO 12 NOON

MARKS : 50

NOTE: > DO NOT CARRY MOBILE / DIGITAL WATCH IN THE EXAMINATION HALL
> PLEASE TICK THE CORRECT ANSWER (2 MARKS EACH)

1. Acid rain is caused by _____
 - a. CO and CO₂
 - b. SO₂ and O₂
 - c. SO₂ and NO₂
 - d. NO₂ and O₂
2. Which of the following is not a renewable energy source?
 - a. Wind
 - b. Solar
 - c. Biomass
 - d. Natural gas
3. Tip of ecological pyramid is occupied by _____
 - a. Primary consumers
 - b. Secondary consumers
 - c. Producers
 - d. Tertiary consumers
4. Sound becomes hazardous noise pollution _____ decibels.
 - a. Above 50
 - b. Above 80
 - c. Above 100
 - d. Above 130
5. Bhopal gas tragedy was caused due to leakage of _____ gas
 - a. MIC
 - b. LPG
 - c. CNG
 - d. SO₂
6. Which of the following is bio-indicator of SO₂ pollution?
 - a. White Pine
 - b. Moss
 - c. Lichen
 - d. All
7. Buying and selling the products over electronic systems like internet is called
 - a. Online Shopping
 - b. Net Banking
 - c. E-Commerce
 - d. Digital Marketing

8. Which blood group is known as Universal recipient ?
- A+
 - A-
 - AB
 - O
9. Total number of bone found in a new born baby are _____
- 200
 - 206
 - 300
 - 250
10. The UNEP has its Headquarters at _____
- Bali
 - Nairobi, Kenya
 - Geneva, Switzerland
 - Washington DC
11. At which particular place on earth are days and nights of equal length always?
- Prime Meridian
 - Poles
 - Equator
 - No where
12. _____ Metro Rail is the newest metro rail in India.
- Kolkata
 - Delhi
 - Mumbai
 - Navi Mumbai
13. The civilian award bestowed by the president of India to persons for rendering exceptional and distinguished service in any field is _____
- Bharat Ratna
 - Padma Shri
 - Padma Vibhushan
 - Padma Bhushan
14. Which one of the following States is going to have India's first National Rail and Transportation University?
- Uttar Pradesh
 - Maharashtra
 - Bihar
 - Gujarat
15. World Health Organisation on 11 February, 2020 announced an official name for the disease that is causing the 2019 novel coronavirus outbreak? What is the new name of the disease?
- COVID-19
 - COVn-19
 - COV-20
 - COVID-19

16. Which of the following domains is used for profit businesses?
a. .net
b. .edu
c. .com
d. .org
17. The process of copying files to a CD-ROM is known as _____
a. Burning
b. Zipping
c. Digitizing
d. Ripping
18. Bhopal Gas tragedy took place in the year _____
a. 1984
b. 1948
c. 2000
d. 2010
19. "Give cold shoulder" means----- ?
a. To support
b. Cold meat
c. To ignore
d. Shiver
20. Pentagon _____ five sides.
a. have had
b. had
c. has
d. have
21. I was disappointed _____ not finding the doctor in his seat.
a. on
b. over
c. at
d. From
22. pOH value of acidic solution is ____
a. >7
b. <7
c. =7
d. 0
23. What is the average of first five multiples of 12?
b. 36
c. 38
d. 40
e. 42

24. How many times the hands of a clock coincide in a day?

- a. 12
- b. 22
- c. 10
- d. 1

25. Choose the next in the sequence



- (1)
- (2)
- (3)
- (4)

- a. 1
- b. 2
- c. 3
- d. 4

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: 14TH 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

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: _____

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

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

20. In a series from 1 to 50, how many numbers are such which are divisible by 3 and do not contain 3 as a digit in them?
a. 13 b. 8 c. 11 d. 5
21. $4a + 16 = 20$ then $a = ?$
a. 1 b. 4 c. 2 d. 5
22. The arithmetic mean of 30 numbers is 50. Find the new average if 5 is subtracted from each. A. 45 b. 46 c. 47 d. 48
23. If a piece of work can be done by 8 men and 7 women in 12 days or by 10 men and 26 women in 5 days, in how many days can 45 men do a piece of work thrice as large?
a. 8 b. 10 c. 12 d. 15
24. Which company name is based on river name?
a. Samsung b. Sony Ericsson c. Nokia d. HTC
25. Where is the High Court of Jharkhand situated?
a. Hazaribagh. Jamshedpur c. Ranchi d. Bokaro

II] ANSWER THE FOLLOWING:

(15 Marks)

1. Give an account of "Digital India and its impacts "

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: _____
