

**UNIVERSITY OF MUMBAI'S  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
P.G. DIPLOMA IN HOSPITAL ADMINISTRATION  
(PGDHA)  
ENTRANCE EXAMINATION**

**DATE : 15-JUL-17**

**TIME : 11.00 AM TO 12.00 NOON**

**MARKS : 50**

Question 1--Answer any one. carry 10 marks

a) Write down about general guide lines to be followed during Manson and mentioned about awareness programme required to arrange as part of premanson preparedness.

OR

b)What is mean by hygiene .What measures to be followed to maintain personal hygiene.

Q 2--Fill in the blanks.Each carry 2 marks. (30)

- a) TPA stands for-----.
- b) In what form LPG present in cooking cylinder.
- c) Malaria due to-----
- d)Demonetization related to-----
- e)Normal body temperature-----
- f)"Wings of fire" is autobiography of -----
- g)Vitamin A deficiency leads to-----
- h) WHO Theme for the year 2017 is-----
- i) Name of the institute where you are appearing for entrance exam-----
- j)-----is called as first senior citizen of Mumbai.
- k) Name of celebrity working on water harvesting -----
- l)Fatty liver is a complication occurred due to -----consumption.
- m)-----co lours can not be differentiated by colour blind person .
- n)Name of Govt hospital-----
- o)Person behind Janlokalpal bill-----

Q-3--Multiple choice question. each carry 2 marks. (10)

- 1.Finance commission is constituted after every  
a.2 years b.5 years c. 3 years
- 2.The Title "Man of peace" is associated with  
a. Jawaharlal Nehru b. M.K Gandhi c. Lal Bahadur Shastri.
3. Petroleum mainly found in  
a.Assam b.Bombay high c.Gujrat
- 4.Tea is mainly grown in  
a. Kerala b. Meghalaya c.Assam
- 5.Island of Lakshadweep is situated in  
a. Arabian sea b. Bay of Bengal c.None of these.

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

SUPERVISOR SIGN.: \_\_\_\_\_

**UNIVERSITY OF MUMBAI'S'S  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
P.G. DIPLOMA IN PHARMA MANAGEMENT  
(PGDPM)  
ENTRANCE EXAM**

DATE: 12-JUL-16

TIME : 11.00AM TO 12.00 NOON

MARKS : 50

- NOTE:**
- DO NOT CARRY YOUR MOBILE IN THE EXAMINATION HALL
  - WRITE YOUR **SEAT NO** ON THIS ANSWER SHEET
  - ALL QUESTIONS ARE COMPULSORY
  - ANSWER THE QUESTIONS BY TICKING (✓) ON THIS ANSWER SHEET
  - ROUGH WORK SHOULD NOT BE DONE ON ANSWER SHEET. A BLANK PAGE IS ENCLOSED FOR ROUGH WORK
  - THERE IS NO NEGATIVE MARKING

Q. I)

- |   |   |
|---|---|
| <p>1. If first letter is interchanged by sixth letter, second by seventh and so in the word INTERVOLVE then which will be the sixth letter from your right in the new word' ?<br/>(A) L (B) E<br/>(C) V (D) O</p> <p>2. If the following words are arranged according to the dictionary order then which word will come in the middle?<br/>(A) Gunny (B) Gunnery<br/>(C) Gunmetal (D) Gunpowder</p> <p>3. Z, T, O, K, H, ?<br/>(A) E<br/>(B) J<br/>(C) F<br/>(D) D</p> <p>4. If DOWN is coded as FQYP then how will WITH be coded?<br/>(A) KYN (B) JYK<br/>(C) YKVJ (D) JKVY</p> <p>5. If Rajdoot is coded as Car, Car as Aeroplane, Aeroplane as Train, Train as Bus, then by which vehicle can you reach your destination in least time? .<br/>(A) Aeroplane (B) Train<br/>(C) Car (D) Bus</p> <p>6. As 'Earthquake' is related to 'Earth', similarly 'Thundering' is related to what?<br/>(A) Earth (B) Sea<br/>(C) Fair (D) Sky</p> | <p>7. As 'Circle' is related to 'Circumference' in the same way 'Square' is related to what?<br/>(A) Diagonal<br/>(B) Perimeter<br/>(C) Circumference<br/>(D) Area</p> <p>8. Fill in the missing letter in the following series--<br/>S, V, Y, B<br/>(A) C (B) D<br/>(C) E (D) G</p> <p>9. Arrange the words given below in a meaningful sequence: 1. Poverty 2. Population 3. Death 4. Unemployment 5. Disease<br/>(A) 2, 3, 4, 5, 1 (B) 3, 4, 2, 5, 1<br/>(C) 2, 4, 1, 5, 3 (D) 1, 2, 3, 4, 5</p> <p>10. If BAT is coded as 283, CAT is coded as 383 and ARE is coded as 801, then the code for BETTER is:<br/>(A) 213310 (B) 213301<br/>(C) 123301 (D) 012334</p> <p>11. Simmi's father's wife's father's granddaughter's uncle will be related to Sinmi as<br/>(A) Son<br/>(B) Uncle<br/>(C) Nephew<br/>(D) Grand father</p> <p>12. Which among the following dates will be annually observed as 'International Day of Yoga'?<br/>[A] 21 June [B] 21 July<br/>[C] 17 June [D] 30 June</p> |
|---|---|

<p>13. "Atoms can neither be created nor destroyed." This principle was given by ___? [A]Avogadro [B]Dalton [C]Rutherford [D]Niels Bohr</p>	<p>22. The power of a plant cell is: A) Nucleus B) Golgi bodies C) Mitochondria D) Lysosomes</p>
<p>14. Lichens, which are capable of initiating ecological succession even on a bare rock, are actually a symbiotic association of ___: [A]algae and bacteria [B]algae and fungi [C]bacteria and fungi [D]fungi and mosses</p>	<p>23) Phytochrome is A) a hormone B) a pigment C) a pigment as well as hormone D) none of the above</p>
<p>15. Which among the following are constituents of Brass? [A]Zinc and Copper [B]Iron and Zinc [C]Copper and Nickel [D]Iron and Copper</p>	<p>24) Chromosomes consist of A) DNA B) RNA C) Proteins D) All of the above</p>
<p>16. Which among the following acids is abundant in Grapes, Bananas and Tamarind? [A]Lactic Acid [B]Oxalic Acid [C]Salicylic Acid [D]Tartaric Acid</p>	<p>25) Non- specific immune response includes A) Inflammation B) Phagocytosis C) Interferon D) All of the above</p>
<p>17. Which among the following is called Laughing Gas popularly? [A]Nitric oxide [B]Nitrous oxide [C]Nitrogen penta oxide [D]Nitrogen Hide</p>	<p>26) Sedimentation unit of ribosome is A) Micron B) Millimicron C) Angstrom D) Svedberg units</p>
<p>18. Which among the following is a Noble Gas? [A]Nitrogen [B]Hydrogen [C]Oxygen [D]Helium</p>	<p>27) MMR is a combined vaccine for: 1) Measles 2)Mumps 3) Influenza 4) Rubella A) 1,2 &amp; 3 B) 1,2 &amp; 4 C) 1,3 &amp; 4 D) 1,2,3,4</p>
<p>19. Which among the following is the main constituent of Biogas? [A]Methane [B]Propane [C]Butane [D]Ethane</p>	<p>28) The World Tuberculosis Day is observed on which date? [A]February 10 [B]March 24 [C]March 28 [D]April 5</p>
<p>20. Which of the following is the most active chemically? [A]Chlorine [B]Fluorine [C]Lithium [D]Iodine Hide</p>	<p>29) Which of the following is a non-edible fungus? A) Mushroom B) Puff balls C) Truffle D) Mucor</p>
<p>21. Which among the following is not among the ancient list of seven wonders of world? [A]Statue of Zeus at Olympia [B]Great Wall of China [C]Colossus of Rhodes [D]Lighthouse at Alexandria</p>	<p>30) Pharmacy Council Of India is located at A. Mumbai B. Banglore C. Chennai D. New Delhi</p>







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

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**UNIVERSITY OF MUMBAI'S  
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P.G. DIPLOMA IN PHARMA MANAGEMENT  
(PGDPM)**

**ENTRANCE EXAM**

*2<sup>nd</sup> Round*

DATE: 30-07-16

TIME : 11.00AM TO 12.00 NOON

MARKS : 50

- NOTE:**
- DO NOT CARRY YOUR MOBILE IN THE EXAMINATION HALL
  - WRITE YOUR **SEAT NO** ON THIS ANSWER SHEET
  - ALL QUESTIONS ARE COMPULSORY
  - ANSWER THE QUESTIONS BY TICKING (✓) ON THIS ANSWER SHEET
  - ROUGH WORK SHOULD NOT BE DONE ON ANSWER SHEET. A BLANK PAGE IS ENCLOSED FOR ROUGH WORK
  - THERE IS NO NEGATIVE MARKING

Q. I)

<p>1. If first letter is interchanged by second, third by fourth, fifth by sixth and so on in the word HABILITATE then which will be the 8th letter from your left in the new word? (A) L (B) E (C) T (D) A</p>	<p>7. As 'Fly' is related to 'Parrot' in the same way 'Creep' is related to what? (A) Snake (B) Rabbit (C) Fish (D) Crocodile</p>
<p>2. If the following words are arranged according to the dictionary order then which will be the second word in that order? (A) Expound (B) Exposure (C) Expulsion (D) Expose</p>	<p>8. Select the correct option in place of the question mark. AOP, CQR, EST, GUV, ? (A) IYZ (B) HWX (C) IWX (D) JWX</p>
<p>3. 7, 12, 19, 28, 39, ? (A) 52 (B) 50 (C) 51 (D) 48</p>	<p>9. If BAT is coded as 283, CAT is coded as 383 and ARE is coded as 801, then the code for BETTER is— (A) 213310 (B) 213301 (C) 123301 (D) 012334</p>
<p>4. If STRAY is coded as TUSBZ then how will MOURN be coded? (A) LPVSO (B) NPVSO (C) NVPSO (D) NPSVO</p>	<p>10. Arrange the given words in a meaningful sequence: 1. Adult 2. Child 3. Infant 4. Boy 5. Adolescent (A) 1, 3, 4, 5, 2 (B) 2, 3, 5, 4, 1 (C) 2, 3, 4, 1, 5 (D) 3, 2, 4, 5, 1</p>
<p>5. If Sand is coded as Brick, Brick as House, House as Temple, Temple as Palace then where do you worship? (A) Palace (B) Temple (C) Brick (D) House</p>	<p>11. Pointing out to a lady, a girl said, "She is the daughter-in-law of the grandmother of my father's only son." How is the lady related to the girl? (A) Sister-in-law (B) Mother (C) Aunt (D) Can't be determined</p>
<p>6. As 'Tennis' is related to 'Racket' in the same way 'Hockey' is related to what? (A) Ball (B) Stick (C) Field (D) Player</p>	<p>12. On which date, Pravasi Bhartiya Nives (PBN) is celebrated in India? (A) January 4 (B) January 6 (C) January 9 (D) January 11</p>

13. Which among the following is the correct decreasing of bio-elements in Human Body?  
 [A] oxygen, hydrogen, Carbon, nitrogen, calcium and phosphorus  
 [B] oxygen, carbon, nitrogen, hydrogen, calcium, and phosphorus  
 [C] oxygen, carbon, hydrogen, nitrogen, calcium, and phosphorus  
 [D] carbon, oxygen, hydrogen, nitrogen, calcium, and phosphorus
14. Which among the following is popularly called Hypo?  
 [A] Silver bromide  
 [B] Silver nitrate  
 [C] Sodium thiosulphate  
 [D] Sodium phosphate
15. What is the theme of the 2016 World Down syndrome Day?  
 [A] Build an inclusive society for all  
 [B] Let Us In – We Want to Work!  
 [C] My friends, My Community  
 [D] Neighbours and My Country
16. In the manufacture of Vanaspati ghee from vegetable oils, which among the following gas is used?  
 [A] N<sub>2</sub> [B] CO<sub>2</sub>  
 [C] H<sub>2</sub> [D] Ne
17. Highest percentage of nitrogen is found in which among the following fertilizers among the given options?  
 [A] Calcium ammonium nitrate  
 [B] Ammonium nitrate  
 [C] Calcium nitrate  
 [D] Urea
18. Who among the following is associated with the discovery of rings of Saturn?  
 [A] Galileo  
 [B] Newton  
 [C] Edmund Halley  
 [D] Christian Huygens
19. Which among the following oxides cause the Acid rain ?  
 [A] CO and CO<sub>2</sub> [B] NO<sub>x</sub> and SO<sub>2</sub>  
 [C] CO<sub>2</sub> and NO<sub>x</sub> [D] SO<sub>2</sub> and CO
20. Base sequence on one strand of DNA is GCATG. Replicating complementary strand has:  
 (A) GCATG  
 (B) GCATC  
 (C) CGTAC  
 (D) ATGCG
21. The aqueous solution of which among the following acids is called Vinegar?  
 [A] Oxalic acid [B] Citric acid  
 [C] Acetic acid [D] Hydrochloric acid
22. Which of the following is the best criteria of purity of organic compounds?  
 [A] Melting point [B] Mixed melting point  
 [C] Color [D] Microscopic examination
23. In E.coli, ribosomes are made up of  
 (A) protein (B) lipids  
 (C) RNA (D) DNA
24. Penicillin is an example of  
 (A) Hapten (B) Halogen  
 (C) Interferon (D) None of the above
- 25) FDA stands for  
 (A) Food and Drug Administration  
 (B) Food and Drug Authorization  
 (C) Food and Disease Administration  
 (D) Food and Drug Accrediation
- 26) Digestion of food is completed in the  
 (A) small intestine (B) large intestine  
 (C) stomach (D) Liver
- 27) Amino acid which accumulates as a result of stress is  
 (A) proline (B) cysteine  
 (C) methionine (D) histidin
- 28) Chromosome ends are called  
 (A) Satellites (B) Telomeres  
 (C) Centromeres (D) Kinetochores
- 29) Which one is a hereditary disease:  
 (A) Cataract (B) Leprosy  
 (C) Blindness (D) Phenylketonuria
30. Intake of lead may primarily cause damage to  
 (A) Brain (B) Lung  
 (C) Liver (D) Kidney









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GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
P.G. DIPLOMA IN HOSPITAL ADMINISTRATION  
(PGDHA)  
ENTRANCE EXAM

DATE: 16-JUL-16

TIME : 11.00AM TO 12.00 NOON

MARKS : 50

NOTE: DO NOT CARRY YOUR MOBILE IN THE EXAMINATION HALL

Q.1) Fill in the blanks---Two markseach (20)

1.-----is the one of monsoon related illness transmitted by

anopheles mosquito.

2.ORS is the powder used in patients of -----

3.Land slide in -----calamity

4.Father of nation-----

5.TPA stands for-----

6.In what form LPG present in cylinders-----

7.-----is celebrated as yoga day

8.Name of senior citizen of mumbai-----

9.Cricketer who advertises for girl education on TV is-----

10.complete name of PGDHA- -----

Q.2) Multiple choice Questions--2 markseach (20)

1.Insulin is produced by

- a) Gall bladder
- b) Pituitary gland
- c) Pancreas

2.Coal production is higher in

- a)Bihar
- b)MP
- c)Orissa

P.T.O

3. Deficiency of vitamin c causes

- a) scurvy
- b) Beri-Beri
- c) Night blindness

4. The headquarters of ONGC are at

- a) Mumbai
- b) Gauhati
- c) Deharadun

5. Gobar gas consists of

- a) Ethane
- b) Methane
- c) Oxygen

6. The operation Tiger is concerned with the protection of

- a) Wild-life
- b) Tigers
- c) Jungles

7. Where are the Ajanta caves

- a) Near Mumbai
- b) Near Patna
- c) Near Chennai

8. Purest water is

- a) Rain water
- b) River water
- c) Tube well water

9. Mad dogs bite causes

- a) Malaria
- b) Typhus
- c) Hydrophobia

10. In which game is the term, "Googly," used

- a) Hockey
- b) cricket
- c) court tennis

Q.3) ---write down for 10 marks

Why there is need of qualified hospital administrators in health industry?

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

UNIVERSITY OF MUMBAI  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
P.G. DIPLOMA IN HOSPITAL ADMINISTRATION  
(PGDHA)  
ENTRANCE EXAM  
THIRD ROUND

DATE: 22-AUG-15

TIME : 11.00AM TO 12.00 NOON

MARKS : 50

Note: ➤ Do not carry your mobile in the examination hall

Q.1 What are the duties of a Hospital Administrator? (5Marks)

MATHS (10Marks)

Q.1 Raju can do 25% of a piece of work in 5 days. How many days will he take to complete the work ten times?

- a) 150 days
- b) 250 days
- c) 200 days
- d) 180 days
- e) 192 days

Q.2 A cellular phone when sold for Rs 4600 fetches a profit of 15%. Find the cost price of the cellular phone?

- a) Rs. 4300
- b) Rs. 4150
- c) Rs. 4000
- d) Rs. 4500
- e) Rs. 4400

Q.3. Which of the following is the largest number?

- a) 20% of 200
- b) 7% of 500
- c) 1300% of 3
- d) 600% of 7
- e) 700% of 9

Q.4. The ratio of the factorial of a number X to the square of the factorial of another number, which when increased by 50% gives the required number, is 1.25. Find the number X?

- a) 6
- b) 5
- c) 9
- d) None of these

Q.5. The number of terms of the series  $54+51+48+\dots$  such that the sum is 513 is

- a) 18
- b) 19
- c) Both a and b
- d) 15
- e) None of these

Q.6.The average age of 24 students and the principal is 15 years.When the principal's age is excluded, the average age decreases by 1 year. What is the age of the principal?

- a)38
- b)40
- c)39
- d)37
- e)Data inadequate

Q.7.The average of the first five multiples of 7 is

- a)20
- b)21
- c)28
- d)30
- e)31

Q.8.The Sinhagad express left Pune at noon sharp.Two hours later,the Deccan Queen started from Pune in the same direction.The Deccan Queen overtook the Sinhagad Express at 8 p.m.Find the average speed of the two trains over this journey if the sum of their average speeds is 70 km/h.

- a)34.28km/h
- b)35km/h
- c)50km/h
- d)12km/h
- e)16km/h

Q.9.In throwing a fair dice,what is the probability of getting the number "3"?

- a)1/3
- b)1/6
- c)1/9
- d)1/12
- e)1/8

Q.10.By selling a cap for Rs.34.40,a man gains 7.5%.What will be the CP of the cap?

- a)Rs.32.80
- b)Rs.32
- c)Rs.32.40
- d)Rs.28.80
- e)Rs.31.40

**BIOLOGY(10Mark)**

Q.1.Which of the following reasons is not responsible for spreading of HIV?

- a)Infected blood transfusion
- b)Blood donation
- c)Use of infected needles
- d)Sexual relations with infected persons

Q.2.In which eye defect does the lens becomes opaque?

- a)Glaucoma
- b)Cataract
- c)Night blindness
- d)Myopia

Q.3.Red Blood corpuscles in body are produced in .....

- a)lymph vessel
- b)plasma
- c)liver
- d)bone marrow

Q.4.Which of the following is the unicellular fungi used in wine preparation?

- a)Viruses
- b)Sugar-Cane
- c)Bacteria
- d)Yeast

Q.5.HIV viruses attack on.....cells in body.

- a)White Blood Cells
- b)Red Blood Cells
- c)Thrombocytes
- d)Nerve Cells

**PHYSICS(10Marks)**

Q.1.Metals are good conductors of electricity because

- a) They contain free electrons
- b) The atoms are lightly packed
- c) They have high melting point
- d) All of the above

Q.2.The reciprocal of wavelength is called

- a)Frequency
- b)Wave velocity
- c)Amplitude
- d)Wave number



Q.3. Sound waves do not travel through a:

- a) Solid medium
- b) Liquid medium
- c) Vacuum
- d) Air

Q.4. Magnetism at the centre of a bar magnet is

- a) Minimum
- b) Maximum
- c) Zero
- d) Minimum or Maximum

Q.5. Which of the following waves cannot be polarized?

- a) Light Waves
- b) Sound Waves
- c) Radio Waves
- d) None of these

### **CHEMISTRY(10Marks)**

Q.1. The most commonly used bleaching agent is

- a) Alcohol
- b) Carbon dioxide
- c) Chlorine
- d) Sodium chloride

Q.2. The Metallurgical process in which a metal is obtained in a fused state is called

- a) Smelting
- b) Roasting
- c) Calcinations
- d) Froth Floatation

Q.3. Which gas is used to disinfect water in swimming pools?

- a) Hydrogen
- b) Nitrogen
- c) Chlorine
- d) Oxygen

Q.4. The most electronegative element among the following is

- a) Sodium
- b) Bromine
- c) Fluorine
- d) Oxygen

Q.5.The oil used in the froth floatation process is

- a)Coconut oil
- b)Olive oil
- c)Kerosene oil
- d)Pine oil

**GENERAL KNOWLEDGE(5Marks)**

Q.1.SARS disease affects .....

- a)Brain
- b)Respiratory system
- c)Nervous system
- d)Liver

Q.2.Which of the following letter groups is not similar to others?

- a)CHEAT
- b)CREATE
- c)REPEAT
- d)ABATE

Q.3.Balbir Pasha'is the name of Character in the campaign to fight against?

- a)HIV
- b)STIs
- c)TB
- d)None of the above

Q.4. What is the motto of Miss World?

- a)Beauty with a purpose
- b)Beauty for service of mankind
- c)Beauty for critical appreciation
- d)Beauty to be taken care of

Q.5.National Rural Health Mission(NRHM)was launched in the year,

- a) 2005
- b) 2004
- c) 2006
- d)2002

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

UNIVERSITY OF MUMBAI  
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P.G. DIPLOMA IN HOSPITAL ADMINISTRATION  
(PGDHA)  
ENTRANCE EXAM  
SECOND ROUND

DATE: 01-Aug-15

TIME : 12.00 PM TO 1.00 PM

MARKS : 50



PHYSICS(10Marks)

Q.1. Running sportsman possess.....energy

- a) Pressure
- b) potential
- c) kinetic
- d) None of the above

Q.2. The main ingredients in the cooking gas(L.P.G.) are:

- a) Methane, Ethane
- b) Methane, Butane
- c) Butane, Propane
- d) Butane, Isobutane

Q.3 ..... shines in dark.

- a) Phosphorus
- b) Sulphur
- c) Gold
- d) Iron

Q.4. Which one of the following metals is generally used for the filament of an electric bulb?

- a) Platinum
- b) iron
- c) Copper
- d) Tungsten

Q.5. Rainbow can be seen because of \_\_\_\_\_ phenomenon of light.

- a) Reflection
- b) Refraction
- c) Diffraction
- d) Dispersion



MATHS(10Marks)

Q.1.Find the ratio between the LCM and HCF of 5,15 and 20?

- a)8:1
- b)14:3
- c)12:2
- d)12:1
- e)1:12

Q.2.Find the LCM of  $5/2, 8/9, 11/14$ .

- a)280
- b)360
- c)420
- d)220
- e)None of these

Q.3. Find the average of the first 97 natural numbers.

- a)47
- b)37
- c)48
- d)49
- e)49.5

Q.4.Find the average of all prime numbers between 30 and 50.

- a)39.8
- b)38.8
- c)37.8
- d)41.8
- e)40.8

Q.5. Manish travels a certain distance by car at the rate of 12 km/h and walks back at the rate of 3km/h. The whole journey took 5 hours. What is distance he covered on the car?

- a) 12 km
- b) 30 km
- c) 15km
- d) 6km
- e) 18km

III

**BIOLOGY(10Marks)**

Q.1. Which of the following reasons is not responsible for spreading of HIV?

- a) Infected blood transfusion
- b) Blood donation
- c) Use of infected needles
- d) Sexual relations with infected persons

Q.2. For holography.....rays are used.

- a) X-Rays
- b) Laser
- c) g-rays
- d) All the above

Q.3. In which eye defect does the lens become opaque?

- a) Glaucoma
- b) Cataract
- c) Night blindness
- d) Myopia

Q.4. Red Blood corpuscles in body are produced in .....

- a) lymph vessel
- b) plasma
- c) liver
- d) bone marrow

Q.5.HIV viruses attack on.....cells in body.

- a)White Blood Cells
- b)Red Blood Cells
- c)Thrombocytes
- d)Nerve Cells

IV

**CHEMISTRY(10Marks)**

Q.1.Commonly, ammonia is produced industrially because it is used for.....

- a)manufacture of proteins
- b)preparation of soaps
- c)production of chemical fertilizers
- d)manufacture of artificial food

Q.2.Heavy water is used in.....

- a)Preparation of soaps
- b)Storage batteries
- c)Nuclear reactors
- d)Radiators in car

Q.3. The nucleus of an atom consists of

- a)Electrons and neutrons
- b)Electrons and protons
- c)Protons and neutrons
- d)All of the above.

Q.4.Which gas is used to disinfect water in swimming pools?

- a)Hydrogen
- b)Nitrogen
- c)Chlorine
- d)Oxygen

Q.5. The most electronegative element among the following is

- a) Sodium
- b) Bromium
- c) Fluorine
- d) Oxygen

V

**GENERAL KNOWLEDGE(10Marks)**

Q.1. The most earthquake prone region in the world is .....

- a) Japan
- b) India
- c) Siberia
- d) Thailand

Q.2. What is the motto of Miss World?

- a) Beauty with a purpose
- b) Beauty for service of mankind
- c) Beauty for critical appreciation
- d) Beauty to be taken care of

Q.3. The land of Midnight Sun is .....

- a) Korea
- b) Finland
- c) Norway
- d) Canada

Q.4. 'Green Revolution' started in this.....(year)in india.

- a) 1956
- b) 1960
- c) 1965
- d) 1970

Q.5. Balbir Pasha'is the name of Character in the campaign to fight against?

a)HIV

b)STIs

c)TB

d)None of the above

\*\*\*\*\*



PGDHA

Seat No. \_\_\_\_\_

UNIVERSITY OF MUMBAI  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
ENTRANCE EXAMINATION  
P.G. DIPLOMA IN HOSPITAL ADMINISTRATION (PGDHA)

DATE: 26/07/2014

TIME : 11.00 AM TO 12.00 NOON

MARKS : 50

Q.1 What are the duties of a Hospital Administrator? (5Marks)

MATHS (10Marks)

Q.1 Raju can do 25% of a piece of work in 5 days. How many days will he take to complete the work ten times?

- a) 150 days
- b) 250 days
- c) 200 days
- d) 180 days
- e) 192 days

Q.2 A cellular phone when sold for Rs 4600 fetches a profit of 15%. Find the cost price of the cellular phone?

- a) Rs. 4300
- b) Rs. 4150
- c) Rs. 4000
- d) Rs. 4500
- e) Rs. 4400

Q.3. Which of the following is the largest number?

- a) 20% of 200
- b) 7% of 500
- c) 1300% of 3
- d) 600% of 7
- e) 700% of 9

Q.4. The ratio of the factorial of a number  $X$  to the square of the factorial of another number, which when increased by 50% gives the required number, is 1.25. Find the number  $X$ ?

- a) 6
- b) 5
- c) 9
- d) None of these

Q.5. The number of terms of the series  $54+51+48+\dots$  such that the sum is 513 is

- a) 18
- b) 19
- c) Both a and b
- d) 15
- e) None of these

Q.6. The average age of 24 students and the principal is 15 years. When the principal's age is excluded, the average age decreases by 1 year. What is the age of the principal?

- a) 38
- b) 40
- c) 39
- d) 37
- e) Data inadequate

Q.7. The average of the first five multiples of 7 is

- a) 20
- b) 21
- c) 28
- d) 30
- e) 31

Q.8. The Sinhagad express left Pune at noon sharp. Two hours later, the Deccan Queen started from Pune in the same direction. The Deccan Queen overtook the Sinhagad Express at 8 p.m. Find the average speed of the two trains over this journey if the sum of their average speeds is 70 km/h.

a) 34.28 km/h

b) 35 km/h

c) 50 km/h

d) 12 km/h

e) 16 km/h

Q.9. In throwing a fair dice, what is the probability of getting the number "3"?

a)  $\frac{1}{3}$

b)  $\frac{1}{6}$

c)  $\frac{1}{9}$

d)  $\frac{1}{12}$

e)  $\frac{1}{8}$

Q.10. By selling a cap for Rs. 34.40, a man gains 7.5%. What will be the CP of the cap?

a) Rs. 32.80

b) Rs. 32

c) Rs. 32.40

d) Rs. 28.80

e) Rs. 31.40

### **BIOLOGY(10Mark)**

Q.1. Which of the following reasons is not responsible for spreading of HIV?

a) Infected blood transfusion

b) Blood donation

c) Use of infected needles

d) Sexual relations with infected persons

Q.2. In which eye defect does the lens become opaque?

- a) Glaucoma
- b) Cataract
- c) Night blindness
- d) Myopia

Q.3. Red Blood corpuscles in body are produced in .....

- a) lymph vessel
- b) plasma
- c) liver
- d) bone marrow

Q.4. Which of the following is the unicellular organism used in wine preparation?

- a) Viruses
- b) Sugar-Cane
- c) Bacteria
- d) Yeast

Q.5. HIV viruses attack on \_\_\_\_\_ cells of the body.

- a) White Blood Cells
- b) Red Blood Cells
- c) Thrombocytes
- d) Nerve Cells

**PHYSICS(10Marks)**

Q.1. Metals are good conductors of electricity because

- a) They contain free electrons
- b) The atoms are lightly packed
- c) They have high melting point
- d) All of the above

Q.2. The reciprocal of wavelength is called

- a) Frequency
- b) Wave velocity
- c) Amplitude
- d) Wave number

Q.3. Sound waves do not travel through a:

- a) Solid medium
- b) Liquid medium
- c) Vacuum
- d) Air

Q.4. Magnetism at the centre of a bar magnet is

- a) Minimum
- b) Maximum
- c) Zero
- d) Minimum or Maximum

Q.5. Which of the following waves cannot be polarized?

- a) Light Waves
- b) Sound Waves
- c) Radio Waves
- d) None of these

**CHEMISTRY(10Marks)**

Q.1. The most commonly used bleaching agent is

- a) Alcohol
- b) Carbon dioxide
- c) Chlorine
- d) Sodium chloride

Q.2. The Metallurgical process in which a metal is obtained in a fused state is called

- a) Smelting
- b) Roasting
- c) Calcinations
- d) Froth Floatation

Q.3. Which gas is used to disinfect water in swimming pools?

- a) Hydrogen
- b) Nitrogen
- c) Chlorine
- d) Oxygen

Q.4. The most electronegative element among the following is

- a) Sodium
- b) Bromine
- c) Fluorine
- d) Oxygen

Q.5. The oil used in the froth floatation process is

- a) Coconut oil
- c) Kerosene oil

- b) Olive oil
- d) Pine oil

**GENERAL KNOWLEDGE(5Marks)**

Q.1. SARS disease affects .....

- a) Brain
- b) Respiratory system
- c) Nervous system
- d) Liver

Q.2. Which of the following letter groups is not similar to others?

- a) CHEAT
- b) CREATE
- c) REPEAT
- d) ABATE

Q.3. Balbir Pasha is the name of Character in the campaign to fight against?

- a) HIV
- b) STIs
- c) TB
- d) None of the above

Q.4. What is the motto of Miss World?

- a) Beauty with a purpose
- b) Beauty for service of mankind
- c) Beauty for critical appreciation
- d) Beauty to be taken care of

Q.5. National Rural Health Mission (NRHM) was launched in the year,

- a) 2005
- b) 2004
- c) 2006
- d) 2002

———— X ————

# PGDHA II

SEAT NO. \_\_\_\_\_

UNIVERSITY OF MUMBAI  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
ENTRANCE EXAMINATION  
P.G. DIPLOMA IN HOSPITAL ADMINISTRATION (PGDHA)  
SECOND ROUND

DATE : 09 - Aug - 14

TIME : 11.00 AM TO 12.00 NOON

MARKS : 5

★ PHYSICS(10Marks)

Q.1. Running sportsman possess.....energy

- a) Pressure
- b) potential
- c) kinetic
- d) None of the above

Q.2. The main ingredients in the cooking gas(L.P.G.) are:

- a) Methane, Ethane
- b) Methane, Butane
- c) Butane, Propane
- d) Butane, Isobutane

Q.3 ..... shines in dark.

- a) Phosphorus
- b) Sulphur
- c) Gold
- d) Iron

Q.4. Which one of the following metals is generally used for the filament of an electric bulb?

- a) Platinum
- b) iron
- c) Copper
- d) Tungsten



Q.5. Rainbow can be seen because of \_\_\_\_\_ phenomenon of light.

- a) Reflection
- b) Refraction
- c) Diffraction
- d) Dispersion

★ MATHS(10Marks)

Q.1. Find the ratio between the LCM and HCF of 5, 15 and 20?

- a) 8:1
- b) 14:3
- c) 12:2
- d) 12:1
- e) 1:12

Q.2. Find the LCM of  $5/2, 8/9, 11/14$ .

- a) 280
- b) 360
- c) 420
- d) 220
- e) None of these

Q.3. Find the average of the first natural numbers

- a) 47
- b) 37
- c) 48
- d) 49
- e) 49.5

Q.4. Find the average of all prime numbers between 30 and 50

- a) 39.8
- b) 38.8
- c) 37.8
- d) 41.8
- e) 40.8

Q.5. Manish travels a certain distance by car at the rate of 12 km/h and walks back at the rate of 3 km/h. The whole journey took 5 hours. What is distance he covered on the car?

- a) 12 km
- b) 30 km
- c) 15 km
- d) 6 km
- e) 18 km

**BIOLOGY(10Marks)**

Q.1. Which of the following reasons is not responsible for spreading of HIV?

- a) Infected blood transfusion
- b) Blood donation
- c) Use of infected needles
- d) Sexual relations with infected persons

Q.2. For holography.....rays are used.

- a) X-Rays
- b) Laser
- c) g-rays
- d) All the above

Q.3. In which eye defect does the lens become opaque?

- a) Glaucoma
- b) Cataract
- c) Night blindness
- d) Myopia

Q.4. Red Blood corpuscles in body are produced in ...

- a) lymph vessel
- b) plasma
- c) liver
- d) bone marrow

Q.5. HIV virus attacks on ... cells in body

- a) White Blood Cells
- b) Red Blood Cells
- c) Thrombocytes
- d) Nerve Cells

**\* CHEMISTRY (10 Marks)**

Q.1. Commonly, ammonia is produced industrially because of its use. ....

- a) manufacture of dyes
- b) preparation of soaps
- c) production of chemical fertilizers
- d) manufacture of artificial food

Q.2. Heavy water is used in.....

- a) Preparation of soaps
- b) Storage batteries
- c) Nuclear reactors
- d) Radiators in car

Q.3 The nucleus of an atom consists of

- a)Electrons and neutrons
- b)Electrons and protons
- c)Protons and neutrons
- d)All of the above.

Q.4 Which gas is used to disinfect water in swimming pools?

- a)Hydrogen
- b)Nitrogen
- c)Chlorine
- d)Oxygen

Q.5. The most electronegative element among the following is

- a)Sodium
- b)Bromium
- c)Fluorine
- d)Oxygen

\* GENERAL KNOWLEDGE(10Marks)

Q.1.The most earthquake prone region in the world is .....

- a)Japan
- b)India
- c)Siberia
- d)Thailand

Q.2.What is the motto of Miss World?

- a)Beauty with a purpose
- b)Beauty for service of mankind
- c)Beauty for critical appreciation
- d)Beauty to be taken care of

Q.3. The land of Midnight Sun is .....

- a) Korea
- b) Finland
- c) Norway
- d) Canada

Q.4. 'Green Revolution' started in this.....(year) in India ..

- a) 1956
- b) 1960
- c) 1965
- d) 1970

Q.5. Balbir Panigrahi is the name of ..... with ..... campaign to fight against?

- a) HIV
- b) STIs
- c) TB
- d) None of the above

UNIVERSITY OF MUMBAI  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
P.G.DIPLOMA IN HOSPITAL ADMINISTRATION  
ENTRANCE EXAM

DATE : 08/07/13

TIME : 11.00AM TO 12.00 NOON

MARKS : 50

Maths:

- Q. 1- A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?
- A. 3    B. 4  
C. 5    D. 6
- Q. 2- A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for Rs. 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?
- A. Rs. 375                                        B. Rs. 400  
C. Rs. 600                                        D. Rs. 800
- Q.3- The square root of  $(7 + 35)(7 - 35)$  is
- A. 5    B. 2  
C. 4    D. 35
- Q.4- 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?
- A. 9    B. 10  
C. 11    D. 12
- Q.5- How many of the following numbers are divisible by 132 ?  
264, 396, 462, 792, 968, 2178, 5184, 6336
- A. 4    B. 5  
C. 6    D. 7

Physics;

Q.1- Metals are good conductors of electricity because

- A. they contain free electrons
- B. the atoms are lightly packed
- C. they have high melting point
- D. All of the above

Q.2- Out of the following pairs, choose the pair in which the physical quantities do not have identical dimension?

- A. Pressure and Young's modulus
- B. Planck's constant and Angular momentum
- C. Impulse and moment of force
- D. Force and rate of change of momentum

Q.3- If two bodies of different masses, initially at rest, are acted upon by the same force for the same time, the quantities which are the same are

- |                 |                   |
|-----------------|-------------------|
| A. velocity     | B. Momentum       |
| C. acceleration | D. kinetic energy |

Q.4- Pick out the scalar quantity

- |             |                  |
|-------------|------------------|
| A. force    | B. Pressure      |
| C. velocity | D. -Acceleration |

Q.5- Magnetism at the centre of a bar magnet is

- |            |            |
|------------|------------|
| A. minimum | B. Maximum |
|------------|------------|

C. Zero

D. minimum or maximum

Chemistry;

Q.1- The nucleus of an atom consists of

- A. electrons and neutrons
- B. electrons and protons
- C. protons and neutrons
- D. All of the above

Q.2- The most electronegative element among the following is

- A. sodium
- B. Bromine
- C. Fluorine
- D. Oxygen

Q.3- The most commonly used bleaching agent is

- A. Alcohol
- B. carbon dioxide
- C. Chlorine
- D. sodium chloride

Q.4- The oil used in the froth floatation process is

- A. coconut oil
- B. olive oil
- C. kerosene oil
- d. pine oil

Q.5- The number of moles of solute present in 1 kg of a solvent is called its

- A. molality
- B. Molarity



C. normality

D. Formality

Biology;

Q. 1- The inherited traits of an organism are controlled by

A. RNA molecules

B. nucleotides

C. DNA molecules

D. enzyme

Q. 2- Plants receive their nutrients mainly from

A. chlorophyll

B. atmosphere

C. light

D. Soil

Q. 3- One of the following is not a function of bones.

A. Place for muscle attachment

B. Protection of vital organs

C. Secretion of hormones for calcium regulation in blood and bones

D. Production of blood corpuscles

Q. 4- Process of cell division can take place by

A. Heterosis

B. fusion

C. Mitosis

D. None of these

Q. 5- Prokaryotic cells lack

A. Nucleolus

B. nuclear membrane

C. membrane bound by organelles

D. All of these

General-knowledge;

Q.1- For which of the following disciplines is Nobel Prize awarded?

- A. Physics and Chemistry
- B. Physiology or Medicine
- C. Literature, Peace and Economics
- D. All of the above

Q. 2- Galileo was an Italian astronomer who

- A. developed the telescope
- B. discovered four satellites of Jupiter
- C. discovered that the movement of pendulum produces a regular time measurement
- D. All of the above

Q. 3- Exposure to sunlight helps a person improve his health because

- A. the infrared light kills bacteria in the body
- B. resistance power increases
- C. the ultraviolet rays convert skin oil into Vitamin D
- D. the pigment cells in the skin get stimulated and produce a healthy tan

Q. 4- The ozone layer restricts

- A. Visible light
- B. Infrared radiation

C. X-rays and gamma rays

D. Ultraviolet radiation

Q. 5- Ecology deals with

A. Relation between organisms and their environment

B. Cell formation

C. Birds

D. Tissues

— X —

PGADHA

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

UNIVERSITY OF MUMBAI  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
P.G.DIPLOMA IN HOSPITAL ADMINISTRATION  
SECOND ROUND  
ENTRANCE EXAM

DATE : 12-Aug-13

TIME : 11.00 AM TO 12.00 NOON

MARKS : 50

GENERAL ENGLISH :-

- 1] "You are thinking very highly about Ravi but he is not so "means.....  
a. Ravi is as good as good as you think about him.  
b. You have a good opinion about Ravi but he is not as good as you think.  
c. Your view about Ravi is philosophical, keep it up.  
d. Ravi is much better, than what you think of him.
- 2] I saw a ..... of cows in the field.  
a. group                      b. herd  
c. swarm                      c. flock
- 3] The grapes are now ..... enough to be picked.  
a. ready                      b. mature  
c. ripe                      d. advanced
- 4] CORPULENT(give the word with the same meaning)  
a. Lean                      b. Gaunt  
c. Emaciated                      d. Obese
- 5] BRIEF (give the word with the same meaning)  
a. Limited                      b. Small  
c. Little                      d. short
- 6] VENT (give the word with the same meaning)  
a. Opening                      b. Stodge  
c. End                      d. Past tense of go
- 7] The study of ancient societies (find the substitute)  
a. Anthropology                      b. Archaeology  
c. History                      d. Ethnology
- 8] Find the correctly spelt word.  
a. Pessenger                      b. Passenger  
c. Pasanger                      d. Pensager

- 9] GRACEFUL (Give the opposite)  
 a. Rough                      b. Expert  
 c. Miserable                 d. Awkward
- 10] CONDENCE (give the opposite)  
 a. Expand                    b. Distribute  
 c. Interpret                 d. Lengthen

**PHYSICS :-**

- 1] Nuclear sizes are expressed in a unit named  
 a. Fermi                      b. angstrom  
 c. Newton                    d. tesla
- 2] Light from the Sun reaches us in nearly  
 a. 2 minutes                 b. 4 minutes  
 c. 8 minutes                 d. 16 minutes
- 3] Pa (Pascal) is the unit for  
 a. thrust                      b. pressure  
 c. Frequency                d. Co
- 4] Pick out the s. quantity  
 a. Force                      b. p  
 c. velocity                    d. a
- 5] Magnetism at centre of a wire  
 a. minimum                 b. maximum  
 c. zero                         d. ... or maximum
- 6] On a rainy day, oil film on water shows iridescent colours. This is due to  
 a. dispersion                 b. interference  
 c. diffraction                d. polarization
- 7] Moment of inertia is  
 a. vector                      b. scalar  
 c. phasor                      d. tensor
- 8] One thousand microns is equal to  
 a.  $10^{-3}m$                     b.  $10^{-6}m$   
 c.  $10^{-9}m$                     d.  $10^{-12}m$
- 9] Superconductors are substances which  
 a. Conduct electricity at low temperature  
 b. Offer high resistance to the flow of current  
 c. Offer no resistance to the flow of electricity  
 d. Conduct electricity at high temperatures

- 10] Optical fibre works on the  
a. Principle of refraction      b. Total internal reflection  
c. Scattering                      d. Interference

CHEMISTRY :-

- 1] The most commonly used bleaching agent is  
a. alcohol                      b. carbon dioxide  
c. chlorine                      d. sodium chlorine
- 2] The heat required to raise the temperature of body by 1 k is called  
a. specific heat              b. thermal capacity  
c. water equivalent      d. none of the above
- 3] The metal that is used as a catalyst in the hydrogenation of oils is  
a. Ni                              b. pb  
c. Cu                              d. Pt
- 4] The monomer of polythene is  
a. vinyl chloride              b. ethylene  
c. ethyl alcohol              d. None of the above
- 5] The mass of one Avogadro number of helium atom is  
a. 1.00 gram                  b. 4.00 gram  
c. 8.00 gram                  d.  $4 \times 6.02 \times 10^{23}$  gram
- 6] The gas used in the manufacture of varaspati from vegetable oil is  
a. hydrogen                      b. oxygen  
c. nitrogen                      d. carbon dioxide
- 7] The most electropositive elements among the following is  
a. Na                              b. Ca  
c. K                                d. Cs
- 8] The gas used for artificial ripening of green fruit is  
a. ethylene                      b. ethane  
c. carbon dioxide              d. acetylene
- 9] The iron ore magnetite consists of  
a.  $Fe_2O_3$                       b.  $Fe_3OH_4$   
c.  $FeCO_3$                       d.  $3Fe_2O_3 \cdot 3H_2O$
- 10] The metal does not give  $H_2$  on treatment with dilute HCL is  
a. Zn                                b. Fe  
c. Ag                                d. Ca

## BIOLOGY:-

- 1] Plants receive their nutrients mainly from
  - a. chlorophyll
  - b. atmosphere
  - c. light
  - d. soil
  
- 2] One of the following is not a function of bones.
  - a. Place for muscle attachment
  - b. Protection of vital organs
  - c. Secretion of hormones for calcium regulation in blood and bones
  - d. Production of blood corpuscles
  
- 3] Most highly intelligent mammals are
  - a. whales
  - b. dolphins
  - c. elephants
  - d. kangaroos
  
- 4] Prothrombin which helps in clotting of blood is released by
  - a. lymphocytes
  - b. erythrocytes
  - c. monocytes
  - d. blood platelets
  
- 5] Plants developing in dry conditions are
  - a. xerophytes
  - b. mesophytes
  - c. lithophytes
  - d. hydrophytes
  
- 6] Plants have \_\_\_\_\_ while animals lack it.
  - a. starch
  - b. cellulose
  - c. protein
  - d. fat
  
- 7] Outer covering of virus made of protein is called
  - a. capsid
  - b. coat
  - c. virion
  - d. viriod
  
- 8] Most abundant tissues of our body are
  - a. muscular
  - b. connective
  - c. epithelial
  - d. nervous
  
- 9] Pulses are a good source of
  - a. carbohydrates
  - b. fats
  - c. proteins
  - d. vitamins
  
- 10] Mycobacterium leprae causes leprosy, Corynebacterium diphtheriae causes diphtheria and Vibrio cholerae causes
  - a. tetanus
  - b. influenza
  - c. cholera
  - d. typhoid





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

UNIVERSITY OF MUMBAI  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
P.G. DIPLOMA IN HOSPITAL ADMINISTRATION  
ENTRANCE EXAM

DATE : 09-Jul-12

TIME : 11.00AM TO 12.00 NOON

MARKS : 50

PHYSICS

1. The note middle C played on a piano always differs from middle C played on a violin because of a difference in .....
  - A. frequency
  - B. wavelength
  - C. fundamentals
  - D. harmonics
  
2. In a nuclear fission reactor, graphite is often used for.....
  - A. absorbing neutrons and controlling the reaction
  - B. slowing down neutrons
  - C. preventing the radiation from escaping into atmosphere
  - D. all the above.
  
3. In a Newton's rings experiment, the thickness of the air space between the lens and the glass plate is  $1.8 \times 10^{-6} \text{m}$  for the sixth dark ring. The wavelength of the light used is....
  - A.  $1.7 \times 10^{-8} \text{m}$
  - B.  $3.0 \times 10^{-7} \text{m}$
  - C.  $6.0 \times 10^{-7} \text{m}$
  - D.  $6.0 \times 10^{-5} \text{m}$
  
4. To produce longitudinal extension we should exert force in .....
  - A. one direction only
  - B. two directions
  - C. perpendicular to the body in all directions
  - D. parallel to the body.
  
5. The reciprocal of wavelength is called .....
  - A. frequency
  - B. wave velocity
  - C. amplitude
  - D. wave number

## BIOLOGY

6. Plant virus contains
- DNA
  - RNA
  - DNA and RNA
  - DNA or RNA
  - TMV
7. Viruses contain
- DNA only
  - RNA only
  - DNA or RNA
  - Both DNA and RNA
  - TMV
8. Rheumatic heart disease is due to repeated infections of
- Staphylococcal bacteria
  - Streptococcal bacteria
  - Pneumococcal bacteria
  - All of these
  - None of these
9. Which of the following statements is correct?
- Poliomyelitis is a bacterial disease as measles is due to bacteria.
  - Poliomyelitis is a bacterial disease, and measles is produced by a virus.
  - Poliomyelitis and measles are viral diseases.
  - Both poliomyelitis and measles are bacterial diseases.
  - Both are cancerous.
10. Diphtheria and polio can be prevented by
- Using proper sanitation facilities
  - Drinking boiled water
  - Immunization with toxoids/vaccines
  - Proper disposal of wastes
  - Taking healthy food
11. Tuft of capillary vessels, which is surrounded by the Bowman's capsule, is known as the
- Glomerulus
  - Malpighian Capsule
  - Juxtaglomerular
  - Loop of Henle
  - Bowman's capsule
12. The waste product in the urine of man is
- Urea
  - Uric acid
  - Ammonia
  - Protein
  - Uraemia

13. Necrosis is a symptom which is recognized by
- Pattern coloration of leaves
  - Little leaves
  - Outgrowth
  - Death of tissues
  - Broad leaves
14. The best and easy method of control of crop pests is by
- Crop rotation
  - Chemicals
  - Quarantine
  - Biological control
  - Mineral deficiency
15. The number of cranial nerves in man is
- 8 pairs
  - 10 pairs
  - 12 pairs
  - 15 pairs
  - 13 pairs

## CHEMISTRY

16. The nucleus of an atom consists of
- electrons and neutrons
  - electrons and protons
  - protons and neutrons
  - all of the above.
17. The number of moles of solute present in 1 kg of a solvent is called its
- molality
  - molarity
  - normality
  - formality
18. The most electronegative element among the following is
- Sodium
  - bromium
  - fluorine
  - oxygen
19. The metal used to recover copper from a solution of copper sulphate is
- Na
  - Ag
  - Hg
  - Fe
20. The metallurgical process in which a metal is obtained in a fused state is called
- smelting
  - roasting
  - calcinations
  - froth floatation
21. The law which states that the amount of gas dissolved in a liquid is proportional to its partial pressure is
- Dalton's law
  - Gay Lussac's law
  - Henry's law
  - Raoult's law

## ENGLISH

In the following the questions choose the word which best expresses the meaning of the given word.

22. CORPULENT
- Lean
  - Gaunt
  - Emaciated
  - Obese
23. BRIEF
- Limited
  - Small
  - Little
  - Short

24. VENT  
A. Opening      B. Stodge      C. End      D. Past tense of go

In the following questions choose the word which is the exact OPPOSITE of the given words.

25. ENORMOUS  
A. Soft      B. Average      C. Tiny      D. Weak
26. COMMISSIONED  
A. Started      B. Closed      C. Finished      D. Terminated
27. ARTIFICIAL  
A. Red      B. Natural      C. Truthful      D. Solid
28. The most commonly used bleaching agent is  
A. alcohol      B. carbon dioxide      C. chlorine      D. sodium chlorine
29. The nucleus of a hydrogen atom consists of  
A. 1. Proton only  
B. 1 proton + 2 neutron  
C. 1 neutron only  
D. 1 electron only
30. The heat required to raise the temperature of body by 1 K is called  
A. specific heat      B. thermal capacity      C. water equivalent      D. None of the above
31. The metal that is used as a catalyst in the hydrogenation of oils is  
A. Ni      B. Pb      C. Cu      D. Pt

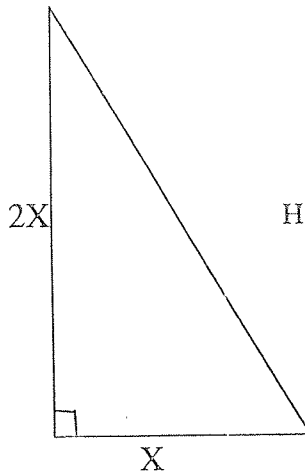
## GENERAL KNOWLEDGE

32. For which of the following disciplines is Nobel Prize awarded?  
A. Physics and Chemistry  
B. Physiology or Medicine  
C. Literature, Peace and Economics  
D. All of the above.
33. Hitler party which came into power in 1933 is known as  
A. Labour Party  
B. Nazi Party  
C. Ku-Klux-Klan  
D. Democratic Party
34. Galileo was an Italian astronomer who  
A. developed the telescope  
B. discovered four satellites of Jupiter  
C. discovered that the movement of pendulum produces a regular time measurement  
D. All of the above
35. First human heart transplant operation conducted by Dr. Christian Bernard on Louis Washkansky, was conducted in  
A. 1967      B. 1968      C. 1958      D. 1922

36. Exposure to sunlight helps a person improve his health because
- A. the infrared light kills bacteria in the body
  - B. resistance power increases
  - C. the pigment cells in the skin get stimulated and produce a healthy tan
  - D. the ultraviolet rays convert skin oil into Vitamin D
37. Even if it rains I shall come means .....
- A. if I come it will not rain
  - B. if it rains I shall not come
  - C. I will certainly come whether it rains or not
  - D. whenever there is rain I shall come
  - E. I am less likely to come if it rains
38. His appearance is unsmiling but .....
- A. his heart is full of compassion for others
  - B. he looks very serious on most occasions
  - C. people are afraid of him
  - D. he is uncompromising on matters of task performance
  - E. he is full of jealousy towards his colleagues
39. Fate smiles ..... those who untiringly grapple with stark realities of life.
- A. with
  - B. over
  - C. on
  - D. round
40. Catching the earlier train will give us the ..... to do some shopping.
- A. chance
  - B. luck
  - C. possibility
  - D. occasion
41. Golf player Vijay Singh belongs to which country?
- A. U.S.A
  - B. Fiji
  - C. India
  - D. UK
42. During World War II, when did Germany attack France?
- A. 1940
  - B. 1941
  - C. 1942
  - D. 1943
43. The ozone layer restricts.
- A. Visible light
  - B. Infrared radiation
  - C. X-rays and gamma rays
  - D. Ultraviolet radiation
- 44.. Eugenics is the study of
- A. altering human beings by changing their genetic components
  - B. people of European origin
  - C. different races of mankind
  - D. genetic of plants.
45. Ecology deals with
- A. Birds
  - B. Cell formation
  - C. Relation between organisms and their environment
  - D. tissues

# MATHS

46. Which of the following is equal to  $\sqrt{48}$   
A 16                      B  $3\sqrt{4}$                       C  $4\sqrt{3}$                       D  $18\sqrt{3}$                       E 24
47. If a tire rotates at 400 revolutions per minute when the car is travelling 72km/h, what is the circumference of the tire?  
A 3m                      B 2m                      C 4m                      D 1m
48. Find the lengths of all sides of the right triangle below if its area is 400.



- A 10                      B 20                      C 5                      D 15
49. What is the side opposite to the right angle in a right angled triangle called  
A Not hypotenuse    B Opposite side                      C Hypotenuse.                      D Right side
50. What is the formula for calculating the area of a triangle?  
A  $1/2 \times$  length of base  
B  $1/2 \times$  length of base  $\times$  height of triangle.  
C  $1/2 \times$  length  
D  $1/2 \times$  height of triangle.

\*\*\*\*\*

PGIDHA

Seat No: \_\_\_\_\_

UNIVERSITY OF MUMBAI  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
P.G. DIPLOMA IN HOSPITAL ADMINISTRATION  
ENTRANCE EXAM

DATE : 10-08-11

TIME : 11 AM TO 12 PM

MARKS : 50

GENERAL ENGLISH

- 1] "You are thinking very highly about Ravi but he is not so "means.....
  - a. Ravi is as good as good as you think about him.
  - b. You have a good opinion about Ravi but he is not as good as you think.
  - c. Your view about Ravi is philosophical, keep it up.
  - d. Ravi is much better, than what you think of him.
  
- 2] I saw a ..... of cows in the field.
  - a. group
  - b. herd
  - c. swarm
  - d. flock
  
- 3] The grapes are now ..... enough to be picked.
  - a. ready
  - b. mature
  - c. ripe
  - d. advanced
  
- 4] CORPULENT(give the word with the same meaning)
  - a. Lean
  - b. Gaunt
  - c. Emaciated
  - d. Obese
  
- 5] BRIEF (give the word with the same meaning)
  - a. Limited
  - b. Small
  - c. Little
  - d. short
  
- 6] VENT (give the word with the same meaning)
  - a. Opening
  - b. Stodge
  - c. End
  - d. Past tense of go
  
- 7] The study of ancient societies (find the substitute)
  - a. Anthropology
  - b. Archaeology
  - c. History
  - d. Ethnology

- 8] Find the correctly spelt word.  
a. Pessenger                      b. Passenger  
c. Pasanger                        d. Pensager
- 9] GRACEFUL (Give the opposite)  
a. Rough                            b. Expert  
c. Miserable                        d. Awkward
- 10] CONDENCE (give the opposite)  
a. Expand                            b. Distribute  
c. Interpret                         d. Lengthen
- 

### PHYSICS :-

- 1] Nuclear sizes are expressed in a unit named  
a. Fermi                            b. angstrom  
c. Newton                         d. tesla
- 2] Light from the Sun reaches us in nearly  
a. 2 minutes                        b. 4 minutes  
c. 8 minutes                        d. 16 minutes
- 3] Pa (Pascal) is the unit for  
a. thrust                            b. pressure  
c. Frequency                        d. Conductivity
- 4] Pick out the scalar quantity  
a. Force                            b. pressure  
c. velocity                         d. acceleration
- 5] Magnetism at the centre of a bar magnet is  
a. minimum                        b. maximum  
c. zero                                d. minimum or maximum
- 6] On a rainy day, small oil films on water show brilliant colours. This is due to  
a. dispersion                        b. interference  
c. diffraction                        d. polarization
- 7] Moment of inertia is  
a. vector                            b. scalar  
c. phasor                            d. tensor



One thousand microns is equal to

- a.  $10^{-3}$ m
- b.  $10^{-6}$ m
- c.  $10^{-9}$ m
- d.  $10^{-12}$ m

Superconductors are substances which

- a. Conduct electricity at low temperature
- b. Offer high resistance to the flow of current
- c. Offer no resistance to the flow of electricity
- d. Conduct electricity at high temperatures

Optical fibre works on the

- a. Principle of refraction
- b. Total internal reflection
- c. Scattering
- d. Interference

#### CHEMISTRY :-

The most commonly used bleaching agent is

- a. alcohol
- b. carbon dioxide
- c. chlorine
- d. sodium chloride

The heat required to raise the temperature of body by 1 K is called

- a. specific heat
- b. thermal capacity
- c. water equivalent
- d. none of the above

The metal that is used as a catalyst in the hydrogenation of oils is

- a. Ni
- b. ~~Pb~~ Pb
- c. Cu
- d. Pt

The monomer of polythene is

- a. vinyl chloride
- b. ethylene
- c. ethyl alcohol
- d. None of the above

The mass of one Avogadro number of helium atom is

- a. 1.00 gram
- b. 4.00 gram
- c. 8.00 gram
- d.  $4 \times 6.02 \times 10^{23}$  gram

The gas used in the manufacture of vanaspati from vegetable oil is

- a. hydrogen
- b. oxygen
- c. nitrogen
- d. carbon dioxide

The most electropositive elements among the following is

- a. Na
- b. Ca
- c. K
- d. Cs

The gas used for artificial ripening of green fruit is

- a. ethylene
- b. ethane
- c. carbon dioxide
- d. acetylene

The iron ore magnetite consists of

- a.  $\text{Fe}_2\text{O}_3$
- b.  $\text{Fe}_3\text{OH}_4$
- c.  $\text{FeCO}_3$
- d.  $3\text{Fe}_2\text{O}_3 \cdot 3\text{H}_2\text{O}$

The metal does not give  $\text{H}_2$  on treatment with dilute HCL is

- a. Zn
- b. Fe
- c. Ag
- d. Ca

### BIOLOGY:-

Plants receive their nutrients mainly from

- a. chlorophyll
- b. atmosphere
- c. light
- d. soil

One of the following is not a function of bones.

- a. Place for muscle attachment
- b. Protection of vital organs
- c. Secretion of hormones for calcium regulation in blood and bones
- d. Production of blood corpuscles

Most highly intelligent mammals are

- a. whales
- b. dolphins
- c. elephants
- d. kangaroos

Prothrombin which helps in clotting of blood is released by

- a. lymphocytes
- b. erythrocytes
- c. monocytes
- d. blood platelets

Plants developing in dry conditions are

- a. xerophytes
- b. mesophytes
- c. lithophytes
- d. hydrophytes

Plants have \_\_\_\_\_ while animals lack it

- a. starch
- b. cellulose
- c. protein
- d. fat

Outer covering of virus made up of protein is

- a. capsid
- b. coat
- c. virion
- d. viriod

Most abundant tissues of our body are

- 1. muscular
- 2. epithelial
- b. connective
- d. nervous

Pulses are a good source of

- a. carbohydrates
- b. fats
- c. proteins
- d. vitamins

*Mycobacterium leprae* causes leprosy, *Corynebacterium diphtheria* causes diphtheria and *Vibrio comma* causes

- a. tetanus
- b. influenza
- c. cholera
- d. typhoid

**eral Knowledge and general intelligence:-**

Hitler party which came into power in 1933 is known as

- a. Labour Party
- b. Nazi party
- c. Ku-Klux-Klan
- d. Democratic Party

Golf player Vijay Singh belongs to which country?

- a. USA
- b. Fiji
- c. India
- d. UK

The title 'Vikramaditya' was assumed by

- a. Harsha
- b. Chandragupta II
- c. Kanishka
- d. Samudragupta

The third battle of Panipat was between the

- a. Afghans and the Marathas
- b. Afghans and the Sikhs
- c. Marathas and the Mughals under Shah Alam II
- d. None of the above

The percentage of irrigated land in India is about

- a. 45
- b. 65
- c. 35
- d. 25

The Salal Project is on the river

- a. Chenab
- b. Jhelum
- c. Ravi
- d. Sutlej

The state having a largest area of forest cover in India is

- a. Arunachal Pradesh
- b. Haryana
- c. Madhya Pradesh
- d. Assam

Development expenditure of the Central government does not include

- a. defence expenditure
- b. expenditure on economic services
- c. expenditure on social and community services
- d. grant to states

The first wholly Indian Bank was set up in

- a. 1794
- b. 1894
- c. 1896
- d. 1902

Which of the following is not viewed as a national debt?

- a. Provident Fund
- b. Life Insurance Policies
- c. National Saving Certificate
- d. Long-term Government Bonds

PGDHA

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

UNIVERSITY OF MUMBAI  
GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT  
POST GRADUATE DIPLOMA IN HOSPITAL ADMINISTRATION  
ENTRANCE EXAM

DATE :

TIME : 11 AM. TO 12 PM.

MARKS :50

1) GENERAL ENGLISH

1) VERACITY (Opposite word)

- A) treachery      B) falsity  
C) dishonesty      D) pretence

2) MODESTY (Opposite word)

- A) arrogance      B) superiority  
C) hypocrisy      D) vanity.

3) SAGE

- A) snob      B) egoist.  
C) rogue      D) fool

4) Although he was tired he ..... working

- A) was going on      B) is going on  
C) goes on      D) went on

5) We Shall finish the work before he ..... back.

- A) will come      B) shall come  
C) comes      D) would come

6) Perfect health depends on the ..... of a few simple rules to health.

- A) observation      B) occurrence.  
C) observance      D) adaptation.

7) The wounded soldiers were ..... by their comrades.

- A) enervated      B) evacuated.  
C) appalled      D) excavated.

8) CLUE (nearly same meaning word)

- A) hint.      B) inkling  
C) intimation      D) signal.

9) PLEASURE

- A) disappointment      B) happiness  
C) grief      D) anxiety

10) CAUTIOUSLY

- A) carefully      B) genuinely

c) secretly d) somewhat

2) CHEMISTRY:-

- 1) The Formation of a chemical bond is associated with -----
  - a) a decrease in potential energy
  - b) an increase in potential energy
  - c) no change in potential energy
  - d) none of these.
  
- 2) Which one of the following is neither an element nor a compound:
  - a) Air
  - b) Glucose
  - c) Gold
  - d) Water
  
- 3) Fermentation invariably leads to the formation of -----
  - a) Ethyl alcohol
  - b) methyl alcohol
  - c) Carbon dioxide
  - d) Acetic acid
  
- 4) Boyle's law deals with the relationship of -----
  - a) pressure & volume
  - b) mass and volume
  - c) pressure & temperature
  - d) volume & temperature
  
- 5) The portion of nitrogen in the open air is -----
  - a) 21 % by volume.
  - b) 50 % by weight
  - c) 21 % by weight
  - d) 78 % by volume
  
- 6) Hydrogen is liberated from nitric acid by the action of -----
  - a) Nickel
  - b) Mercury
  - c) Magnesium
  - d) Copper.
  
- 7) The most abundant element in the earth crust is
  - a) O
  - b) Al
  - c) Si
  - d) Fe
  
- 8) Which one of the following has the strongest bleaching property ?
  - a) Chlorine
  - b) Fluorine
  - c) Bromine
  - d) Lithium
  
- 9) Which one of the following is used as fuel ?
  - a) CO<sub>2</sub>
  - b) CH<sub>4</sub>
  - c) CH<sub>3</sub>OH
  - d) SO<sub>2</sub>
  
- 10) The compound having the molecular formula C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> is an -----
  - a) acid
  - b) aldehyde
  - c) alkali
  - d) ether.

3) PHYSICS

- 1) In the visible spectrum the colour having the shortest wavelength is -----
  - a) Violet
  - b) Blue
  - c) Red
  - d) Yellow
  - e) green
  
- 2) The unit of power is -----
  - a) Joule per second only.
  - b) Joule only
  - c) Watt only
  - d) Joule per second & watt both
  - e) Erg.
  
- 3) The heater element in an electric iron is made of -----
  - a) Copper
  - b) Tungsten
  - c) Nichrome
  - d) Iron
  - e) Platinum
  
- 4) At sun rise or at sun set, the sun appears to be reddish while at hidden it looks white. Thus is because -----
  - a) The sun is colder at sunrise or at sunset.
  - b) Diffraction sends red rays to the earth at these time.
  - c) Scattering due to dust particles and air molecules causes this phenomenon.
  - d) None of these.
  
- 5) The radiant energy of the sun results from -----
  - a) Nuclear fusion.
  - b) Nuclear fission.
  - c) Cosmic radiation.
  - d) Combustion.
  
- 6) The surface water in a lake is just going to freeze. What is the temperature of water at the bottom?
  - a)  $0^{\circ}\text{C}$
  - b)  $4^{\circ}\text{C}$
  - c) more than  $4^{\circ}\text{C}$
  - d)  $-2^{\circ}\text{C}$
  
- 7) If you float on your back on water your weight is -----
  - a) Equal to your normal weight.
  - b) Half of your normal weight.
  - c) Zero.
  - d) Greater than the weight of water displaced by you.
  
- 8) Which of the following is the most viscous medium?
  - a) Coal tar
  - b) Water
  - c) Glycerine
  - d) Alcohol.
  
- 9) The instrument connected with the recording and reproduction of sound is called ----
  - a) Gramophone
  - b) Headphone
  - c) Hydrophone
  - d) Ear phone.
  
- 10) A pond of clear water appears less deep than it really is, this is due to-
  - a) reflection
  - b) refraction
  - c) dispersion
  - d) none of these

4) BIOLOGY:-

- 1) Genes are located on-----
  - a) Mitochondria
  - b) Chromosomes
  - c) Plastids
  - d) nuclear membrane.
- 2) DNA differs from RNA in having
  - a) uracil
  - b) adenine
  - c) thymine
  - d) cytosine
- 3) Which is Collip's hormone ?
  - a) Thyroxine
  - b) Parathormone
  - c) Insulin
  - d) Estrogen
- 4) A nucleoprotein resembling eukaryotic chromosome is -----
  - a) Virus
  - b) Lipoprotein
  - c) Permease
  - d) Globoprotein
- 5) Plants can be made disease resistant by-----
  - a) Treating with Colchicine
  - b) Inducing mutations
  - c) Breeding with their wild relatives.
  - d) treating with 2-4D
- 6) The movement of water molecule from one cell to another depends on-----
  - a) Osmotic Concentration
  - b) turgor pressure
  - c) wall pressure
  - d) plasma pressure
- 7) Water from soil enters into root hairs owing to-----
  - a) atmospheric pressure
  - b) Capillarity
  - c) root pressure
  - d) Osmotic pressure
- 8) The enzyme found in the saliva is -----
  - a) Ptyalin
  - b) Pepsin
  - c) lipase
  - d) amylase.
- 9) Which type of soil is the best for wheat crop ?
  - a) loam
  - b) Sandy loam
  - c) Sandy
  - d) Clay
- 10) The heart of a young man beats about-----
  - a) 50 times per minute
  - b) 72 times per minute
  - c) 90 times per minute
  - d) 40 times per minute



5) GENERAL KNOWLEDGE & GENERAL INTELLIGENCE

- 1) H.U.D.C.O stands for---
    - a) Housing & Urban Development Corporation
    - b) High Under Development Corporation
    - c) The name of an American leading oil company
    - d) The name of British Company
  
  - 2) The third Empire in France came to an end in the year.
    - a) 1815      b) 1848
    - c) 1870      d) 1876
  
  - 3) Which is the national animal of India ?
    - a) Lion      b) Tiger
    - c) Leopard      d) Sunflower
  
  - 4) Which is the more powerful house of legislature at the center in India ?
    - a) Rajya Sabha      b) Lok Saba
    - c) Both are equally powerfull      d) None of these
  
  - 5) Which film bagged the best feature film 74<sup>th</sup> Oscar Award 2002 ?
    - a) American Beauty      b) A Beautiful Mind
    - c) Elizabeth      d) None of these
  
  - 6) How many languages are recognized by the constitution of India in the 8<sup>th</sup> Schedule ?
    - a) 14      b) 16
    - c) 18      d) 12
  
  - 7) Which of the following companies is the first in India to allow for 'Direct to Home' service ?
    - a) Star      b) Sun
    - c) Zee      d) Doordarshan
  
  - 8) The largest river in the world is:
    - a) Nile      b) Brahmputra
    - c) Amazon      d) Missisipi      e) Ganga
  
  - 9) The Oceans cover ----- of the surface of the earth ?
    - a) 50%      b) 60%
    - c) 71%      d) 80%
  
  - 10) The biggest planet is :
    - a) Uranus      b) Jupiter
    - c) Pluto      d) Mercury      e) Venus.
- .....