HALL TICKET NO. ☐☐☐☐☐☐☐☐☐

# MBA (Health Care & Hospital Management)

## ENTRANCE EXAMINATION

**(June 7, 2011: 2.00 – 4.00 P.M)**                    **(100 Marks)**

### INSTRUCTIONS

1.  Write your Hall Ticket Number in the OMR Answer sheet given to you. Also write the Hall Ticket Number in the space provided above.

2.  The question paper booklet consists ( 4 SECTIONS) of 100 Questions. Each question carries one (1) Mark.

3.  There is negative marking. Each wrong answer carries -0.33 mark.

4.  Answers are to be marked on the OMR answer sheet following the instructions provided thereupon.

5.  Hand over both the question paper booklet and OMR answer sheet at the end of the examination to the invigilator.

6.  No additional sheet(s) will be provided. Rough work can be done in the question paper itself/space provided at the end of the booklet.

7.  Calculators, mobile phones and electronic gadgets are not allowed.

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## SECTION-I

## DATA INTERPRETATION AND ARITHMETIC/ NUMERICAL ABILITY

1) Find the missing number in the series 7, 15, 31, ?, 127.

    A) 63        B) 61        **C** ) 62        D) None of these

2) Abhinav gets 40% of the total marks of an examination and gets 14 marks more than what is required for passing. Another candidate Neha who gets 30% of the total marks fail by 16 marks in the same examination. Find out the maximum marks for the exam.

    A) 500        B) 400        C) 300        D) None of these

3) Sachin scores 60% more runs than Dhoni. By what percentage runs of Dhoni are less than that of Sachin?

    A) 23.33 %    B) 16.66%    C) 37.5%    D) 43.33 %

4) A merchant has 100kg of sugar. A part of it he sells at 8% gain and the rest at a gain of 18% and gets 14% gain on the whole. What is the quantity of sugar sold at 18% gain?

    A) 30        B) 40        C) 35        D) 55

5) Which of the following is not a leap year?

    A) 2100        B) 2000        C) 2004        D) 2008

6) The sum of the present ages of X, Y, and Z is 45 years. Three years ago their ages were in the ratio of 1:2:3. What is the present age of X?

    A) 10years    B) 6 years    C) 8 years    D) 9 years

7) Two friends Virat and Yusuf, whose salaries together amount to Rs. 18,000. They spend 70% and 75% of their salaries respectively. If their savings are in the ratio of 3:5, then find the salary of Virat.

    A) 3000          B) 4000              C) 5000              D) 6000

8) What is the angle between both hands of the clock when the time is 3:30 pm?

    A) 90 degrees        B) 72 degrees    C) 84 degrees        D) 75 degrees

9) The sale price of a shirt listed for Rs. 400 and after successive discounts of 10% and 5%, what is the Sale price?

    A)  340           B)  342          C) 330           D) None of these

10) Rajesh sells an article at 75% of its list price and makes a loss of 10%. Find the profit percentage if he sells at the list price.

    A)    5%          B)10%            C)15%            D)20%

11) The selling price of 13 apples is same as the cost price of 26 mangoes. The cost price of 12 apples is same as the selling price of 16 mangoes. If the profit on selling mangoes is 20%, what is the profit in selling apples?

    A) 15%            B) 20%           C) 25%           D) Cannot be determined

12) Two friends Bunty and Babloo invested Rs 16,000 and Rs 24,000 respectively as their initial capitals. At the end of six months, Bunty invested Rs4000 more and Babloo withdrew Rs4000.Find the ratio of profits of Bunty and Babloo at the end of the year.

    A) 1:5            B) 5:10          C) 9:11          D) 7:11

13) Rahul and Vera invested their capitals in the ratio of 5:7. The time periods of their investments are in the ratio of 3:2 respectively. If they earned a profit of Rs 58,000 at the end of one year, then find the difference between their respective shares of profit.

    A) Rs. 2000    B) Rs. 2500          C) Rs. 3000          D) Rs. 1500

3

14) A is thrice as good a workmen as B and so takes 60 days less than B for doing a job. Find the time in which they can do it together.

A) 20 days     B) 22.5 days     C) 20.25 days     D) none of these

15) A train of 300m long and moving at a speed of 25 m/s can cross a man standing on a platform in how many seconds?

A) 60     B) 75     C) 24     D) 12

16) A two digit number and the number formed by reversing its digits add up to 121 and differ by 27. What is the number?

A) 49     B) 63     C) 47     D) 57

17) A sum of Rs800 amounts to Rs1, 040 in four years at simple interest. By how much percentage should the rate of interest per annum should e increased so that Rs1, 200 would amount to Rs 2, 400 in 8 years?

A) 4     B) 8     C) 5     D) 6

18) The average of five numbers is 39.20 and the average of three numbers is 41. Find the average of the other two numbers.

A) 35.5     B) 36.5     C) 37.5     D) 38.5

19) Find the area of the floor of a room in the shape of a rhombus, if the distance between the two pairs of opposite vertices is 12 feet and 22feet.

A) 186     B) 132     C) 264     D) 372

20) Find the ratio of the volumes of a hemisphere and a cylinder of the same base area, if the height of the cylinder is eight times the radius of cylinder.

A) 1:2     B) 1:3     C) 1:6     D) 1:12

Read the given table and answer the following questions from 21 to 25.

| Class | Number of Students | Cricket | Volley ball | Basketball | Football |
|-------|--------------------|---------|-------------|------------|----------|
| 6     | 120                | 60%     | 70%         | 50%        | 60%      |
| 7     | 140                | 50%     | 60%         | 60%        | 50%      |
| 8     | 160                | 40%     | 65%         | 55%        | 45%      |
| 9     | 180                | 65%     | 75%         | 65%        | 55%      |
| 10    | 240                | 70%     | 80%         | 75%        | 45%      |

21) How many students in the school like cricket?

    A) 491        B) 432        C) 436        D) 511

22) By what percentage is the number of students who like volleyball in class 6   more /less than those who like basketball in class 10?

    A) 50.33%        B) 53.33%        C) 54.44%        D) 55.55%

23) The number of students who like cricket in class 7 is what percentage of the number of students who like football in class8?

    A) 97.2%        B) 88%        C) 99.2        D) 93.5

24) In how many of the given classes can more than 90 students like all the 3 games

    A) 0        B) 1        C) 2        D) 3

25) What can be the maximum percentage of the students in class6 who do not like any of the given games?

    A) 0%        B) 10%        C) 20%        D) 30%

### BUSINESS AWARENESS

26) What is the Indian health budget for the year 2011-2012?

   A) Rs.26,760 crore
   B) Rs.27, 650 crore
   C) Rs. 27,670 crore
   D) Rs.25, 760 crore

27) To whom the *Rashtriya Swasthya Bhima Yojana* has been providing the health insurance coverage?

   A) Unorganised sector workers
   B) BPL families
   C) Marginal Workers
   D) State Employees

28) What is NABH?

   A) National Association Board of Health and Hospital
   B) National Accreditation Board for Hospitals and Healthcare
   C) National Accreditation Board for Health
   D) National Association of Bureau of Hospitals

29) Who is the present Union Minister of Health and Family Welfare of India?

   A) Shri. Pranab Mukherjee
   B) Shri. Ghulam Nabi Azad
   C) Shri. Dinesh Trivedi
   D)  Shri. S. Gandhiselvan

30) Which is the first hospital in India to be awarded an ISO 9002 certification?

   A) Apollo Hospitals, Chennai
   B) Apollo Hospitals, Hyderabad
   C) Narayana Hrudayalaya, Bangalore
   D) Care Hospitals, Hyderabad

31) The Deputy Chairman of the Planning Commission is

   A) Dr. C. Rangarajan
   B) Dr. Montek Singh Ahluwalia
   C) Shri Pranab Mukherjee
   D) Dr. Man Mohan Singh

32) Which is the Leading Pharmaceutical Company in Indian domestic market?

   A) Ranbaxy
   B) Cipla
   C) Sun Pharma
   D) Piramal Healthcare


33) What is the expected growth of Indian Healthcare Industry by 2012
    (according to ASSOCHAM)?

   A) US$ 77 billion
   B) US$ 67 billion
   C) US$ 66 billion
   D) US$ 76 billion

34) The acronym IRDA stands for..

   A) Indian Regulatory and Development Authority
   B) Insurance Regulatory and Development Authority
   C) Insurance Research and Development Authority
   D) Indian Research and Development Authority

35) World Cancer Day is celebrated every year on....

   A) 4 February
   B) 4 March
   C) 4 April
   D) 4 January

36) The approximate number of cells in a normal human body is _____.

   A) 10
   B) 100
   C) 1014
   D) 10144

37) Who discovered circulation of blood in human body?

   A) Edward Jenner
   B) Joseph Lister
   C) William Harvey
   D) Jonon Esals


38) In which of the Indian States/Union Territories the maximum number of AIDS cases
    have been reported till now?

   A) Delhi
   B) Tamil Nadu
   C) Chandigarh
   D) Bihar

39) According to the Central Birth and Death Registration Act of 1969, birth is to be reported within

   A) 10 Days
   B) 7 Days
   C) 14 days
   D) 30 Days

40) The World Health Organization (W.H.O.) declared TB a global health emergency in

   A) 1997
   B) 1995
   C) 1993
   D) 1998

41) The total DNA contained in a living cell is regarded as

   A) Genome
   B) Transcriptome
   C) Proteome
   D) Gene

42) Which of the following is used in PET scans?

   A) Uranium
   B) Ions
   C) Isotopes
   D) Steroids

43) The immediate effects of smoking a cigarette include which of the following?

   A) Increased blood pressure
   B) Improved sense of taste
   C) Decreased heart rate
   D) Increased appetite

44) Which of the following is non-biodegradable?

   A) Animal bones
   B) Nylon
   C) Eucalyptus leaves
   D) Wool

45) A natural phenomenon that becomes harmful due to pollution is _____.

A) Global warming
B) Ecological balance
C) Greenhouse effect
D) Ozone depletion

46) The living organism that serves as an indicator of air pollution is

A) Viruses
B) Fungus
C) Bacteria
D) E.coli

47) The rules pertaining to biomedical waste (India) are notified under

A) Environmental (protection) Act, 1980
B) Environmental (protection) Act, 1983
C) Environmental (protection) Act, 1986
D) Environmental (protection) Act, 1988

48) Needle-stick injuries have the potential of transmission of all except:

A) Hepatitis B
B) HIV
C) Dysentery
D) Tetanus

49) Hospital acquired infections are defined as infections that are acquired in the hospital and manifest after.................. of admission in a hospital:

A) 48 Hours
B) 60 Hours
C) 24 Hours
D) 72 Hours

50) The best method for disinfection of swimming pool water is

A) U-V rays treatment
B) Filtration
C) Chlorination
D) Heating

## SECTION III

## VERBAL ABILITY

In each of the following questions, there is a certain relationship between two given words on one side of " : :" and one word is given on another side of ": :" while another word is to be selected from the given choices having the same relationship with this word as words of given pair have. Select the best alternative.

51) Pancreas : Insulin : : Liver : _____

    A) Blood      B) Bile      C) Thyroxin      D) Hemoglobin

52) Needle : Knit : : Loom : _____

    A) Hand      B) Cheap      C) Weave      D) Drill

53) Bread : Yeast : : Curd : _____

    A) Fungi      B) Germs      C) Bacteria      D) Virus

54) Darwin : Evolution : : Archimedes : _____

    A) Friction      B) Gravity      C) Buoyancy      D) Solids

55) Cells : Tissues : : Atoms : _____

    A) Elements      B) Bombs      C) Molecules      D) Organs

The following questions consists of two words, each that have certain relationship to other followed by options of words. Choose the pair that has some relationship as the original pair of words.

56)    Meadow : Sheep

    A) Hay : Insect             B) Grass : Grasshopper
    C) Pasture : Cattle        D) Stable : Horse

57)    Spring : Summer

    A) Stagger : Walk         B) Fight : Battle
    C) Adolescence : Youth    D) Read : Learn

58) Knowledge : Ignorance
   A) Conceal : Hide
   C) Breath : Suffocation
   B) Cure : Health
   D) Construction : War

59) Identity : Anonymity

   A) Flaw : Perfection
   C) Truth : Lie
   B) Careless : Mistake
   D) Fear : Joy

60) Sentence : Period

   A) Life : Death
   C) Pray : Wish
   B) Education : Job
   D) Candle : Light

In each of the following questions, find the word different from the other three words.

61) A) Skin      B) Nose      C) Eye          D) Legs

62) A) Lily      B) Lotus     C) Cauliflower  D) Daffodil

63) A) Pen       B) Scale     C) Pencil       D) Stylus

64) A) Jupiter   B) Moon      C) Venus        D) Pluto

65) A) Polyester B) Cotton    C) Rayon        D) Nylon

From the given words, choose a word which means almost the same as the given word.

66) Pseudonym

   A) Name      B) Nickname   C) Alias       D) nymph

67) Nincompoop

   A) Intelligent   B) Clever   C) Idiot   D) Diplomatic

68)  Insipid

   A) Bland        B) Splendid        C) Perform        D) Assault

69)  Axiom

   A) Proverb        B) Advertisement        C) Sentence        D) None

70)  Malicious

   A) Malevolent        B) Helping        C) Mean        D) Assault

From the given words, choose a word which means almost the opposite as the given word.

71)  Subhuman

   A) Inhuman        B) Superman        C) Divine        D) Superhuman

72)  Prosperous

   A) Rich        B) Poor        C) Effluent        D) King

73)  Active

   A) Proactive        B) Passive        C) Quit        D) Punish

74)  Melancholy

   A) Cheerful        B) Buoyant        C) Handsome        D) Pleasant

75)  Glorious

   A) Calm        B) Disaster        C) Ignominious        D) Fortune

## SECTION IV
## GENERAL KNOWLEDGE & STUDIES

76) Name the founder of the whistleblower website Wikileaks

A) Julian Assange
B) Navi Pillay.
C) Phillip Adams
D) Ben Laurie

77) "Rashtriya Swastya Bhima Yojana" has been initiated by

A) Government of Andhra Pradesh
B) W.H.O.
C) Government of India
D) U.N.I.C.E.F.

78) India's healthcare expenditure in terms of G.D.P. pe rcent is about

A) 1
B) 1.5
C) 2
D) 2.5

79) Atrophic eczema is a problem related to

A) eyes
B) skin
C) nails
D) hair

80) World Health day is celebrated on

A) April 1st
B) April 27th
C) April 7th
D) April 2nd

81) D.T.P. vaccination is used to prevent

A) Diabetes ,Typhoid , Polio
B) Diptheria ,Tetanus, Pertussis
C) Diabetes , Tetanus , Polio
D) Diptheria , Typhoid , Polio

82) The term Allopathic medicine was given by

    A) Sidney Safron
    B) Suchindra Sachdeva
    C) Samuel Hahneman
    D) Joseph Sutler

83) Pencillin is a/an

    A) antiseptic
    B) antibiotic
    C) disinfectant
    D) antitoxin

84) Deficiency of Vitamin B1 causes

    A) Night blindness
    B) Beri-beri
    C) Scurvy
    D) Rickets

85) An application of clinical medicine where medical information is transferred through interactive audiovisual media for the purpose of consulting is

    A) Clinical Engineering
    B) Telemedicine
    C) Teleradiology
    D) Emergency

86) When a doctor is checking your pulse, he is pressing your wrist exactly on a

    A) Vein
    B) Artery
    C) Capillary
    D) Nerve

87) Rods, and Cones are located in the

    A) Retina
    B) Cornea
    C) Choroid
    D) Sclera

88) The Government has allowed Foreign direct Investment –

    A) Upto 50% in Hospital Services
    B) Upto 40% in Hospital Services
    C) Upto 30% in Hospital & Health Services
    D) Upto 100% in Health and medical Services

89) The Present Governor of Reserve Bank of India is

    A) Mr. M. Narasimham
    B) Dr. Y.V. Reddy
    C) Sri D. Subba Rao
    D) Dr. C. Rangarajan

90) Geriatrics focuses on health care of

    A) New born
    B) Handicapped
    C) Smokers
    D) Elderly people

91) Potassium Iodide tablets are used to protect

    A) Eyes from radiation
    B) D.N.A. from radiation
    C) Skin from radiation
    D) Thyroid gland from radiation

92) "A.Y.U.S.H." stands for-

    A) Arogyashree Scheme of Health
    B) Ayurveda ,Yoga, Unani, Siddha and Homeopathy
    C) Allopathy , Yoga , Unani ,Siddha and Homeopathy
    D) None of the above

93) National Aids Control Organization functions under the ministry of

    A) Women and child Welfare
    B) Health and family welfare
    C) Both A and B
    D) None of the above

94) N.R.H.M. expands as

   A) National Regional Health Ministry
   B) National Regional Health Mission
   C) National Rural Health Ministry
   D) None of the above

95) The practice of artificially introducing the germs or germ substance into the body for developing resistance to a particular disease is

   A) Polymerization
   B) Photosynthesis
   C) Prophylaxis
   D) Pigmentation

96) The head quarters of World Health Organization is in

   A) France
   B) Geneva
   C) Zurich
   D) None of the above

97) The Nobel Prize winner for 2010 in Medicine is -

   A) Liu Xlaobo
   B) Mario Vargas Llosa
   C) Robert Edwards
   D) Akira Suzuki

98) The Speaker of Lok Sabha

   A) Shivraj Patil
   B) Meira Kumar
   C) A. Ramadoss
   D) Sharad Pawar

99) The Union Cabinet has decided that street vendors will now enjoy the benefits of cashless-based health insurance scheme. They will be covered by

   A) Jansheree Bima Yojana
   B) Rashtriya Swasthya Bima Yojana
   C) Aam Addtni Bima Yojana
   D) Sampoom Bima Yojana

100) India recently signed MoU for High-tech Disease Detection Centre with -

   A) South Korea
   B) USA
   C) Russia
   D) Japan

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