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HALL TICKET NO:

M.B.A (Health Care and Hospital Management)

Entrance Examination – 2013

February, 2013   **Max. Marks: 100**

INSTRUCTIONS

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

The question paper booklet consists of 100 Questions. Each question carries one (1) mark.

There is a negative marking. Each wrong answer carries – 0.33 marks.

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

Hand over the OMR answer sheet at the end of the examination to the Invigilator.

No additional sheet (s) will be provided, rough work can be done in the question paper itself

Calculator, mobile phones and electronic gadgets are not allowed.

1. Abhi can do a work in 15 days and Bhanu in 20 days. If they work together for 4 days, then the fraction of work will be left:

A) $\dfrac{1}{4}$

B) $\dfrac{1}{10}$

C) $\dfrac{7}{15}$

D) $\dfrac{8}{15}$

2. Arun alone can do a piece of work in 6 days and Bharat alone in 8 days. Arun and Bharat undertook to do it for Rs. 3200. With the help of Charan, they completed the work in 3 days. How much is to be paid to Charan?

A) Rs. 375

B) Rs. 400

C) Rs. 600

D) Rs. 800

3. The total of present ages of Archita, Amala and Arpita is 65 years. What was the total of their ages four years ago?

A) 53 years

B) 52 years

C) 54 years

D) 51 years

4. The sum of the ages of husband and wife is 70 years and the ratio of their age is 3:2. The age of the wife is:

A) 28

B) 22

C) 26

D) 24

5. Two trains of length 100m and 120m with different speeds pass a pole in 5 sec and 10 sec respectively. In what time will they cross each other when moving in the same direction?

A) 44 sec

B) 27.5 sec

C) 22 sec

D) 32.5 sec

6. Two stations A and B are 110 km apart on a straight line. One train starts from A at 7 a.m. and travels towards B at 20 kmph. Another train starts from B at 8 a.m. and travels towards A at a speed of 25 kmph. At what time will they meet?

A) 9 a.m.

B) 10 a.m.

C) 10.30 a.m.

D) 11.am

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7. If selling price is doubled, the profit triples. Find the profit percent.

A) $66\frac{2}{3}$

B) 100

C) $105\frac{1}{3}$

D) 120

8. When a scooter is sold for Rs. 18,700, the owner loses 15%. At what price must that scooter be sold in order to gain 15%?

A) Rs. 21,000

B) Rs. 22,500

C) Rs. 25,300

D) Rs. 25,800

9. The price of a TV is increased 30% before budget and 20% after budget. What is the total increase in price?

A) 50

B) 56

C) 55

D) 59

10. 36 men can complete a piece of work in 18 days. In how many days will 27 men complete the same work?

A) 12

B) 18

C) 22

D) 24

11. Rama took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?

A) 3.6

B) 6

C) 18

D) Cannot be determined

12. The difference between simple interest and compound on Rs. 1200 for one year at 10% per annum reckoned half-yearly is:

A) Rs. 2.50

B) Rs. 3

C) Rs. 3.75

D) Rs. 4

13. What was the day of the week on 28th January, 1996?

A) Monday

B) Tuesday

C) Sunday

D) Thursday

14. The calendar for the year 2013 will be the same for the year:

A) 2018

B) 2021

C) 2017

D) 2019

15. A watch which gains 5 seconds in 3 minutes was set right at 7 a.m. In the afternoon of the same day, when the watch indicated quarter past 4 o'clock, the true time is:

A) $59\frac{7}{12}$ min. past 3

B) 4 p.m.

C) $58\frac{7}{11}$ min. past 3

D) $2\frac{3}{11}$ min. past 4

16. The difference between a two-digit number and the number obtained by interchanging the digits is 36. What is the difference between the sum and the difference of the digits of the number if the ratio between the digits of the number is 1: 2?

A) 4

B) 8

C) 16

D) None of these

17. The difference between 38% of number and 24% of the same number is 135.10. What is 40% of that number?

A) 390

B) 370

C) 386

D) 378

18. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?

A) $\dfrac{10}{21}$

B) $\dfrac{11}{21}$

C) $\dfrac{2}{7}$

D) $\dfrac{5}{7}$

19. A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. If the area of the lawn is 2109 sq. m, then what is the width of the road?

A) 2.91 m

B) 3 m

C) 5.82 m

D) None of these

20. A can contains a mixture of two liquids A and B is the ratio 7: 5. When 9 litres of mixture are drawn off and the can is filled with B, the ratio of A and B becomes 7: 9. How many litres of liquid A was contained by the can initially?

A) 10

B) 20

C) 21

D) 25

For Question numbers 21 to 25, study the following table and answer them based on it.

Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years.

| Year | Item of Expenditure | | | | |
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
2008	288	98	3.00	23.4	83
2009	342	112	2.52	32.5	108
2010	324	101	3.84	41.6	74
2011	336	133	3.68	36.4	88
2012	420	142	3.96	49.4	98

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21. What is the average amount of interest per year which the company had to pay during this period?

    A)   Rs. 32.43 lakhs   B)   Rs. 33.72 lakhs

    C)   Rs. 34.18 lakhs   D)   Rs. 36.66 lakhs

22. The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?

    A)   0.1%   B)   0.5%

    C)   1%   D)   1.25%

23. Total expenditure on all these items in 2008 was approximately what percent of the total expenditure in 2012?

    A)   62%   B)   66%

    C)   69%   D)   71%

24. The total expenditure of the company over these items during the year 2010 is?

    A)   Rs. 544.44 lakhs   B)   Rs. 501.11 lakhs

    C)   Rs. 446.46 lakhs   D)   Rs. 478.87 lakhs

25. The ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively is approximately?

    A)   4:7   B)   13

    C)   15:18   D)   5:8

26. World Malaria Day is celebrated on:

    A) August 25   B) April 25

    C) April 17   D) August 17

27. The process by which the number of bacteria and other organisms is reduced enough to prevent disease and meet an acceptable public health standard is called ....

    A) Disinfection   B) Sanitization

    C) Steam sterilization   D) Cold sterilization

28. The term DERMO refers to ....

    A) Heart   B) Stomach

    C) Nerve   D) Skin

29. The primary source of fat in body metabolism is ....

    A) Carbohydrates   B) Fat

    C) Protein   D) Lipids

30. The determination of the cause of a disease is called the ....

    A) Diagnosis   B) Necropsy

    C) Pathology   D) Transmission

31. Which of the following is a pair of viral diseases?

    A) Typhoid, Tuberculosis   B) Ringworm, AIDS

    C) Common cold, AIDS   D) Dysentery, Common cold

32. What was the Budget allocation, 2012-13 for rural water supply and sanitation?

    A) Rs.14,000 crores   B) Rs.40,000 crores

    C) Rs.41,000 crores   D) Rs. 10,400 crores

33. Which of the following hospital has received FICCI Healthcare Excellence Award-2012 for its operational excellence in the category of private hospital with multi-specialty hundred beds?

    A) Fortis Escorts hospital   B) Apollo

    C) Narayana Hrudayalaya   D) Care Hospitals

34. Abbreviation of RNTCP:

    A) Revised National Tobacco Control Programme

    B) Revised National Tuberculosis Control Programme

    C) Revised New Tuberculosis Control Programme

    D) Revised National Tuberculosis Control Plan

35. National Rural Health Mission was launched in the year ....

A) 2004   B) 2005

C) 2006   C) 2007

36. The ability of a defined population to obtain or receive appropriate health care:

A) Equity   B) Access

C) Affordability   D) Coverage

37. What is the condition known as, in which the body does not get its fair share of nutrients, either from starvation, or as a result of poor absorption?

A) Marasmus   B) Malnutrition

C) Kwashiorkor   D) Malnutrition & Marasmus

38. Fundamental unit of heredity is ....

A) DNA   B) Chromosome

C) Gene   D) Cell

39. Which of the following is a labeled as "good cholesterol" for humans?

A) HDL   B) LDL

C) VLDL   D) None of the above

40. Maximum quantity of water is in...........part of body

A) Tongue   B) Eyes

C) Liver   D) Lungs

41. A certain patient is suspected to be suffering from Acquired Immune Deficiency Syndrome. Which diagnostic technique will you recommend for its detection?

A) WIDAL   B) ELISA

C) MRI   D) Ultrasound

42. Who has been awarded the world Food Prize 2012?

A) Kofi Annan   B) Daniel Hillel

C) Ban Ki-Moon   D) None of the above

43. Who is the present Drug Controller General of India?

    A) G.N. Singh   B) S.P. Singh

    C) Vinod Rai   D) V. G. Somani

44. NUHM:

    A) National Urban Health Mission

    B) National Urban Health Ministry

    C) National Urban Healthcare Mission

    D) National Urban Healthcare Ministry

45. According to the World Health Report 2000, India's health expenditure is:

    A) 4.8% of G.D.P.   B) 5.2% of G.D.P.

    C) 6.8% of G.D.P.   D) 7% of G.D.P.

46. In which of the following year the Transplantation of Human Organs Act was passed by Government of India?

    A) 1994   B) 1996

    C) 2000   D) 2002

47. Vision 2020 "The right to sight" includes all except

    A) Trachoma   B) Epidemic conjunctivitis

    C) Cataract   D) Onchocerciasis

48. The function of any healthcare system includes the following

    A) Production of resources

    B) Arrangement of resources into health programs

    C) Provision of health services

    D) All the above

49. India's Medical Tourism sector is expected to experience an annual growth rate of 30 per cent, making it .... industry by 2015

    A) Rs 9,000 crore   B) Rs 8,000 crore

    C) Rs 9,500 crore   D) Rs 8,500 crore

50. Which of the following hospital is not accredited by Joint Commission International (JCI)?

    A) Apollo Hospital, Chennai   B) Fortis Hospital , Mohali

    C) Sharoff Eye Hospital, Mumbai   D) CARE hospital, Hyderabad

Directions for questions 51 to 55: From the given words, choose a word which means the almost Opposite as the given word.

51. Transient

      A) Carried   B) Close

      C) Permanent   D) Remove

52. Husbandry

      A) Sports man ship   B) Dishonesty

      C) Waste fullness   D) Cowardice

53. Sanguine

      A) Pessimistic   B) Choleric

      C) Sickening   D) Irritating

54. Omnipotent

      A) Democratic   B) Despotic

      C) Weak   D) Passionate

55. Obese

      A) Cadaverous   B) Clever

      C) Skillful   D) Lucid

Directions for questions 56 to 60: From the given words, choose a word which means the almost the same as the given word.

56. Lachrymose

      A) Tearful   B) Smooth

      C) Passionate   D) Curt

57. Tawdry

      A) Orderly   B) Meretricious

      C) Reclaimed   D) Filtered

58. Innocuous

      A) Not capable   B) Not dangerous

      C) Not eager   C) Not peaceful

59. Surreptitious

      A) Secret   B) Snakelike

      C) Abstract   D) Furnished

60. Limbo

    A) Hopelessness   B) Devilishness

    C) Limitation   D) Dwelling place of lost souls

Directions for questions 61 to 65: Each of the questions below consists of two words that have a certain relationship to each other, followed by four pairs of words. Select the lettered pair of words that has the same relationship as the original pair of words.

61. Entrepreneur: profits::

    A) Philanthropist: charity   B) Priest: confession

    C) Scholar: knowledge   D) Organizer: union

62. Kitchen: culinary::

    A) Theater: forensic   B) Court: histrionic

    C) Dance studio: terpsichorean   D) Bedroom: residential

63. Hourglass: chronometer::

    A) Arrow: rifle   B) Bullet: rifle

    C) Arrow: bow   D) Sand: water

64. Food: condiments::

    A) Edible: inedible   B) Conversation: wit

    C) Native: exotic   D) Eating: smoking

65. Hirsute: hairy::

    A) Bald: unkempt   B) Emaciated: cadaverous

    C) Frantic: composed   D) Irritated: irritable

Directions for questions 66 to 70: Choose the grammatically correct sentence among the four options given below.

66.

    A) Rahul has been studying at Delhi University for the two years now

    B) Rahul has been studying at Delhi University for two years now

    C) Rahul has been studying Delhi University for two years now

    D) Rahul has been studying with Delhi University for two years now

67.

    A) Junior employees need advice from their bosses now and then

    B) Junior employees need a advice from their bosses nows and then

    C) Junior employees need an advice from their bosses nows and then

    D) Junior employees need the advices from the bosses sometimes

68.

    A) The possessiveness often leads to the problems between couples

    B) Possessiveness often leads to problems between couples

    C) A possessiveness often leads to problem between couples

    D) By possessiveness often leads to the problem between couples

69.

    A) Tell Arun to cash that cheque when he goes to the bank

    B) Tell Arun to cash cheque when he goes to the bank

    C) Tell Arun to cash that cheque when he goes to bank

    D) Tell Arun to cash cheques when he goes to bank

70.

    A) Our neighbor would like to borrow a cup of sugar and some milk

    B) Our neighbor would like to borrow cup of sugar and milk

    C) Our neighbor would like to borrow an cup of sugar and the milk

    D) Our neighbor would like to borrow a cup sugar and some milk

Directions for questions 71 to 75: directions: in each of the following sentence, parts of the sentence are left blank. Beneath each sentence, four different ways of completing the sentence are indicated. Choose the best alternative from among the four.

71.   Wedding ceremonies often include the exchange of............ rings to symbolize the couple's promises to each other.

    A) Acrimonious   B) Plaintive

    C) Deciduous   D) Votive

72. The .... rumors did a great deal of damage even though they turned out to be false.

    A) Bemused   B) Prosaic

    C) Apocryphal   D) Ebullient

73. The police officer ....the crowd to step back from the fire so that no one would get hurt.

    A) Undulated   B) Enjoined

    C) Stagnated   D) Permeated

74. Only a small number of people in the audience laughed at the comic's .... sense of humor, while the rest found him to be too sarcastic.

    A) Consequential   B) Avaricious

    C) Venturous   D) Mordant

75. The college professor was known on campus as a .... character bland but harmless and noble in his ideals.

    A) Staid   B) Stagnant

    C) Auspicious   D) Sterile

76. Which one among the following statements is correct?

    A) All enzymes are proteins   B) All proteins are enzymes

    C) None of the enzymes is protein   D) None of the proteins is enzyme

77. The First Indian Wrestler to win a Gold Medal in FILA 2010 - World Wrestling Championship:

    A) Milkha Singh   B) Sushil Kumar

    C) Akshay Kumar   D) Kumar Gaurav

78. Excessive consumption of alcoholic drinks causes damage to:

    A) Live   B) Lungs

    C) Kidney   D) Heart

79. National Voters Day is celebrated every year on:

    A) 25th January   B) 26th January

    C) 9th October   D) 25th November

80. "Live Your Passion" is the theme for which Event:

    A) 20-20 World Cup   B) French Open

    C) Olympics 2016   D) Film Festival 2012

81. When is the International Day of Non-Violence celebrated?

    A) 14th August   B) 16th May

    C) 8th October   D) 2nd October

82. 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

83. Carbon dioxide is called greenhouse gas because:

    A) It is used in photosynthesis

    B) Its absorbs infrared radiation

    C) It emits visible radiation

    D) Its concentration remains always higher than other gases

84. Which book did Mohandas Gandhi write?

    A) India - The Nation   B) 2 States

    C) The Story of My Experiments with Truth   D) The Good Earth

85. What was the code-name of the Hyderabad Police Action undertaken to get Hyderabad State to become part of India in 1948?

    A) Operation Checkmate   B) Operation Polo

    C) Operation Meghdoot   D) Operation Python

86. Who has been the youngest president of the Indian National Congress?

    A) Rajiv Gandhi   B) Sarojini Naidu

    C) Sir Henry Cotton   D) Maulana Abul Kalam Azad

87. Which two countries signed Agreement for the Modernisation of Indian Railways?

    A) India and Belgium   B) India and China

    C) USA and India   D) Russia and India

88. Which of these cricketers has captained two different IPL teams?

    A) Harbhajan Singh   B) Gautam Gambhir

    C) Virendar Sehwag   D) Anil Kumble

89. Which one among the following vitamins is necessary for blood clotting?

    A) Vitamin D   B) Vitamin A

    C) Vitamin K   D) Vitamin C

90. On which mission did Neil Armstrong first go into space?

    A) Apollo 11   B) Gemini 8

    C) Apollo 8   D) Ranger 8

91. Nucleus, the genetic material containing rounded body in each cell, was first discovered in 1831 by:

A) Robert Hooke

B) Robert Brown

C) Rudolf Virchow

D) Robinson

92. In 2012, under whose captaincy did India win the ICC Under -19 Cricket World Cup?

A) Smit Patel

B) Baba Aparajith

C) Unmukt Chand

D) Harmeet Singh

93. Other than spreading malaria, anopheles mosquitoes are also vectors of:

A) Dengue Fever

B) Filariasis

C) Yellow Fever

D) Measles

94. Which of these is held annually in India?

A) Lok Sabha Elections

B) Presidential Elections

C) Budget Session of Parliament

D) Vidhan Sabha Elections

95. Our skin, when exposed to excess sunlight, becomes dark. This is because our skin pigments called:

A) Flavoxanthin

B) Melanin

C) Carotene

D) Xanthophyll

96. What does a Kilo equal to, as in Kilometre or Kilogram?

A) 10

B) 100

C) 10000

D) 1000

97. Who is the first woman to become CEO of the soft drink giant PepsiCO?

A) Virginia Rometty

B) Indra Nooyi

C) Ursula Burns

D) Meg Whitman

98. Oxygen in our blood is transported by a protein named:

A) Haemoglobin

B) Keratin

C) Collagen

D) Myoglobin

99. Who was India's flag bearer at the opening ceremony of the 2012 London Olympics?

A) Leander Paes

B) Abhinav Bindra

C) Vijender Singh

D) Sushil Kumar

100. Which of these is the title of a Hindi film starring Priyanka Chopra and Ranbir Kapoor?

A) Rasgulla

B) Jalebi

C) Boondi

D) Barfi