JEPAS(PG)-2020
Master in-Hospital Administration (MHA)-2020

Duration: 90 minutes　　　　　　　　　　　　　　　　　**Full Marks: 100**

Instructions

1. All questions are of objective type having four answer options for each. Only one option is correct. Correct answer will carry full marks 1. In case of incorrect answer or any combination of more than one answer, ¼ mark will be deducted.

2. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C, or D.

3. Use only **Black/Blue ball point pen** to mark the answer by complete filling up of the respective bubbles.

4. Mark the answers only in the space provided. Do not make any stray mark on the OMR.

5. Write your roll number carefully in the specified locations of the **OMR**. Also fill appropriate bubbles.

6. Write your name (in block letter), name of the examination centre and put your full signature in appropriate boxes in the OMR.

7. The OMR is liable to become invalid if there is any mistake in filling the correct bubbles for roll number or if there is any discrepancy in the name/ signature of the candidate, name of the examination centre. The OMR may also become invalid due to folding or putting stray marks on it or any damage to it. The consequence of such invalidation due to incorrect marking or careless handling by the candidate will be sole responsibility of candidate.

8. Candidates are not allowed to carry any written or printed material, calculator, docu-pen, log table, wristwatch, any communication device like mobile phones etc. inside the examination hall. Any candidate found with such items will be **reported against** & his/her candidature will be summarily cancelled.

9. Rough work must be done on the question paper itself. Additional blank pages are given in the question paper for rough work.

10. Hand over the OMR to the invigilator before leaving the Examination Hall.

1) Let the government increase the present rate of taxation to recover the deficit in the budget.

Assumption I: Present rate of taxes is very low.

Assumption II: If government wants to get away with the budgetary deficit it should increase tax rate.
a) assumption I is implicit.
b) assumption II is implicit.
c) both I and II are implicit.
d) neither of them is implicit.

2) Conclude logically from the following statements: (a) Those who are honest are good teachers. (b) Hard working people are honest

Inference: Hard work is the necessary quality of a good teacher.
a) the inference is definitely true.
b) the inference is definitely false.
c) the inference is probably false or true.
d) inference cannot be drawn.

3) The office of the UN General Assembly is in:

a) Vienna.
b) Paris.
c) New York.
d) Zurich.

4) Find the number, when 15 is subtracted from 7 times the number, the result is 10 more than twice of the number:
a) 5.
b) 15.
c) 7.5.
d) 4.

5) Those substances which give hydroxyl ions in water are called:
a) Acid.
b) Base.
c) Salts.
d) Alkalis.

6) The chlorophyll in photosynthesis is used for:

a) Absorbing light.
b) Breaking down water molecule.
c) Oxidation of CO_2.
d) Reduction of CO_2.

7) Find the analogy: Waiting : Boredom : : Education : ?
a) Class.
b) Enlightenment.
c) Schooling.
d) Cunning.

8) ELISA – a test is helpful for the detection of which of the followings?
a) Leprosy.
b) Cancer.
c) AIDS.
d) Malaria.

9) The implementation of Jawahar Rojgar Yojana rests with:
a) Gram Panchayat.
b) District Collector.
c) State Government.
d) Union Government.

10) Fill in the blanks logically: "It depends on whether we get_____down by failures or use them as stepping-stones".
a) wretched.
b) bogged.
c) squirted.
d) eluded.

11) Temporary finger like extensions on amoeba are called:
   a) Cell membrane.
   b) Cell wall.
   c) Pseudopodia.
   d) Cilia.

12) Find the analogy: Monday : April : : Friday : ?

   a) July.
   b) Saturday.
   c) August.
   d) Tuesday.

13) Fill with appropriate words: "I wish I_____those words. But now it's too late".
   a) not having said.
   b) have never said.
   c) never said.
   d) had never said.

14) Read each sentence to find out the part with grammatical error or idiomatic error in it: "Can you (1)/ repair my (2)/ digital-camera until (3)/ Wednesday?"(4).
   a) 1.
   b) 2.
   c) 3.
   d) 4.

15) Name the new Business Area which Sahara India Parivar has entered into:
   a) SoGware.
   b) Cement.
   c) Advertising.
   d) Travel & Tourism.

16) The item ' Education' belongs to the:
   a) Union List.
   b) State List.
   c) Concurrent List.
   d) Residuary subjects.

17) In a class, there are 18 boys who are over 160 cm tall. If these constitute three-fourths of the boys and the total number of boys is two-thirds of the total number of students in the class, what is the number of girls in the class?
   a) 6
   b) 12
   c) 18
   d) 24

18) Express in changed voice: Sumana said, "Oh that I was a child again!"
   a) Sumana exclaimed with wonder that were she a child again.
   b) Sumana wondered that were she a child again.
   c) Sumana strongly wished that she had been a child again.
   d) Sumana prayed that she were a child again.

19) Express in changed voice: The traveller enquired of the poter if he could tell him the way to the nearest inn.
   a) The traveller said to the potter, "Where is the nearest inn?"
   b) The traveller said to the potter, "Can you tell me the way to the nearest inn?"
   c) The traveller said to the potter, "Which is the way to nearest inn?"
   d) The traveller said to the potter, "Can you tell me where the nearest inn is?"

20) The legal advisor to the State Government is known as:
   a) Advocate – General.
   b) Attorney - General.
   c) Solicitor – General.
   d) State Public Prosecutor.

21) Which of the following Asian language are UN official languages:
   a) Chinese & Japanese.
   b) Chinese & Hindi.
   c) Japanese & Arabic.
   d) Chinese & Arabic.

22) Blood consist of what fluid medium?
   a) Lymph.
   b) Platelets.
   c) Plasma.
   d) All of these.

23) Fill in the blanks logically: "If the wind in a tropical depression exceeds this speed, it is____to a 'tropical storm' and_____a personal name".

   a) demoted, awarded.
   b) consigned, giGed.
   c) upgraded, assigned.
   d) elevated, presented.

24) If a quarter kg of potato costs 60 paisa, how many paisa will 200gm cost?
   a) 45 paisa.
   b) 46 paisa.
   c) 47 paisa.
   d) 48 paisa.

25) Which rays are useful in cancer treatment?

   a) X-rays.
   b) Gamma rays.
   c) Ultraviolet rays.
   d) Radio rays.

26) Which one of the following membranes secretes a watery fluid that lubricates and cushions the joint?

   a) Tendons.
   b) Synovial membrane.
   c) Ligaments.
   d) Cartilage.

27) The total age of A and B is 12 years more than the total age of B and C. C is how many year younger than A:
   a) 11.
   b) 12.
   c) 13.
   d) 14.

28) If "LIGHT" is coded as "GILTH", find the code for "RAINY".
   a) IARYN.
   b) ARINY.
   c) NAIRY.
   d) RINAY.

29) Find the word spelt correctly:
   a) Reannaisance.
   b) Renaissance.
   c) Rennaissance.
   d) Renaisance.

30) Choose the word or group of words which is most similar in meaning to the word: "Pandemonium"

   a) great joy.
   b) utter confusion.
   c) loud noise.
   d) big crowd.

31) If a man takes large amount of protein, he is likely to excrete more amount of:
   a) Glucose.
   b) Urea and uric acid.
   c) Water.
   d) Salts.

32) Ozone layer protects the Earth from which radiations from the Sun:
   a) microwaves.
   b) infrared.
   c) X-rays.
   d) ultraviolet.

33) Broca's area in the let hemisphere is related to
   _____.
   a) Receiving the impulses from eyes.
   b) Speech.
   c) Learning and reasoning.
   d) Sensation of smell.

34) The deposition of lipids on the wall lining the lumen of large and medium sized arteries is referred to as:
   a) Osteoarthritis.
   b) Osteoporosis.
   c) Atherosclerosis.
   d) Stokes – Adams Syndrome.

35) Read each sentence to find out the part with grammatical error or idiomatic error in it: "Either Shuvam (1)/ or Bhuvan forgot (2)/ to take (3)/ their pen". (4).
   a) 1.
   b) 2.
   c) 3.
   d) 4.

36) What least value should be replaced by * in 223*431 so the number become divisible by 9?

   a) 3.
   b) 4.
   c) 5.
   d) 6.

37) Name the Brand that advertises itself with the slogan 'The Vision of Sound'?
   a) Samsung TVs.
   b) Thomson TVs.
   c) Sansui TVs.
   d) BPL TVs.

38) Hindustan Lever is selling Lipton Ice Tea in the Indian Market in association with which company?

   a) McDonald.
   b) pepsiCo.
   c) Coca Cola.
   d) Rasna.

39) The sum of the ages of a father and son is 45 years. Five years ago, the product of their ages was four times the fathers age at that time. The present age of father and son:
   a) 34, 11.
   b) 35, 10.
   c) 36, 9.
   d) 40, 5.

40) The difference between systolic and diastolic pressure in human is usually:
   a) 40 mm Hg.
   b) 80 mm Hg
   c) 120 mm Hg.
   d) 200 mm Hg.

41) A, B and C are intelligent, A, D and E are laborious and D, C and E are honest and A, B, and E are ambitious. who is neither laborious nor honest?

a) A and D.
b) B only.
c) E only.
d) C only.

42) A short gap in the myelin sheath around a nerve fiber is called_____.

a) Dendrite.
b) Axon terminal.
c) Node of Ranvier.
d) None of these.

43) MODVAT is related to:

a) Sales Tax.
b) Income Tax.
c) Wealth Tax.
d) Excise Tax.

44) The International township built near Pondicherry in India in collaboration with UNESCO is called:

a) Broadway.
b) Gayaville.
c) Auroville.
d) Elbaville.

45) An instrument used to measure gas pressure is called:

a) ammeter.
b) barometer.
c) galvanometer.
d) manometer.

46) Choose the word or group of words which is most similar in meaning to the word: "Quiescent"

a) indifferent.
b) weak.
c) at rest.
d) responsive.

47) Union Budget is always presented first in:

a) The Lok Sabha.
b) The Rajya Sabha.
c) Joint session of the Parliament.
d) Meeting of the Union Cabinet.

48) Which IT company has developed Financial Core - a banking sofware product?

a) Wipro.
b) Satyam.
c) Infosys.
d) TCS.

49) Fill in the blanks logically: "The rainfall _____ India varies____ place to place and also from year year".

a) over, with, by.
b) of, from, aGer.
c) in, from, to.
d) for, with, aGer.

50) Find the analogy: Buter : Milk : : Oil : ?

a) Cow.
b) Seeds.
c) Curd.
d) Grains.

51) If 84 x 13 = 8, 37 x 13 = 6, 26 x 11 = 6 ,

then 56 x 22 = ?
a) 36.
b) 39.
c) 7.
d) 11.

52) MODVAT is related to:
a) Sales Tax.
b) Income Tax.
c) Wealth Tax.
d) Excise Tax.

53) Find the word spelt correctly:
a) Lackdaisical.
b) Lackdaisicle.
c) Lackadaisical.
d) Lackdaisical.

54) **Statement: Books without knowledge of life are useless.**

Conclusion I: All books contain knowledge of life.

Conclusion II: People should be anxious to acquire the knowledge of life.
a) only conclusion I follows.
b) only conclusion II follows.
c) both I and II follow.
d) neither I nor II follows.

55) Fill with appropriate words: "The woman, who has been missing for ten days, is believed_____".

a) to be abducted.
b) to be abducting.
c) to have been abducted.
d) to have been abducting.

56) Which one of the following is a sesamoid bone?

a) Pectoral girdle.
b) Pterygoid.
c) Pelvis.
d) Patella.

57) What least value should be replaced by * in 223*431 so the number become divisible by 9?

a) 3.
b) 4.
c) 5.
d) 6.

58) Anita and Geeta are experts in dancing and music. Seeta and Geeta are expert in music and painting. Anita and Neeta are expert in debate and dancing. Neeta and Seeta are expert in Painting and debate. Which girl is not expert in painting?

a) Anita only.
b) Seeta only.
c) Anita and Geeta.
d) Neeta only.

59) Where was electricity supply first introduced in India?
a) Kolkata.
b) Mumbai.
c) Darjeeling.
d) Coimbatore.

60) In metals, the charge carriers are:
a) electrons.
b) protons.
c) neutrons.
d) none of these.

61) Express in changed voice: The spectators said, "Bravo! Well played Virat."
   a) The spectators called Virat bravo because he played well.
   b) The spectators said that Virat played well and applauded him.
   c) The spectators encouraged Virat saying he played well.
   d) The spectators applauded Virat, saying that he played well.

62) Find the word spelt correctly:
   a) Surveilance.
   b) Surveillance.
   c) Survellance.
   d) Survaillance.

63) Find the analogy: Light : Sun : : Heat : ?
   a) Electricity.
   b) Moon.
   c) Fire.
   d) Star.

64) In which of the following disorders, blood has defective hemoglobin?
   a) Hematoma.
   b) Hematuria.
   c) Hemophilia.
   d) Sickle cell anemia.

65) Which company uses tagline "Drive your way"?

   a) Yamaha.
   b) Toyota.
   c) Erickson.
   d) Hyundai.

66) Complete the series: AZA, BYB, CXC, ?
   a) DXD.
   b) DXM.
   c) DWD.
   d) None of these.

67) Fill with appropriate words: "_____in trying to solve this problem. It's clearly unsolvable".

   a) There's no point.
   b) It's no point.
   c) There isn't point.
   d) It's no need.

68) Statement: No new tax has been proposed in the budget of 2011-12. It is still a surplus budget.

Conclusion I: The budget of 2011-12 may be considered a good budget.
Conclusion II: 2011-12 budget is a surplus budget because no new tax has been proposed.
   a) only conclusion I follows.
   b) only conclusion II follows.
   c) both I and II follow.
   d) neither I nor II follows.

69) Proteins ater digestion are converted into:

   a) Carbohydrates.
   b) Small globules.
   c) Amino acids.
   d) Starch.

70) Which chamber of the human heart has the thickest muscular wall?
   a) Right ventricle.
   b) LeG atrium.
   c) LeG ventricle.
   d) Right atrium.

71) When vapors of a substance are cooled and changes into liquid, it is called:
   a) conduction.
   b) condensation.
   c) convection.
   d) evaporation.

72) In which of the following business areas Bausch & Lomb is operating in?
   a) Vision care.
   b) Auto ancillary.
   c) Apparel.
   d) Retailing.

73) Read each sentence to find out the part with grammatical error or idiomatic error in it: "A free press is not (1)/ a privilege but the (2)/ organic necessity in (3)/ a free society". (4).
   a) 1.
   b) 2.
   c) 3.
   d) 4.

74) Respiration is a:
   a) Anabolic process that uses O_2 and CO_2 to form ATP.
   b) Catabolic process that uses CO_2, produces O_2 and converts released energy into ATP.
   c) Anabolic process that uses O_2, produces CO_2 and converts released energy into ATP.
   d) Catabolic process that uses O_2, produces CO_2 and converts released energy into ATP.

75) Read each sentence to find out the part with grammatical error or idiomatic error in it: "The economic disparity (1)/ has grown rapid (2)/ in the era of (3)/ globalization". (4)/.
   a) 1.
   b) 2.
   c) 3.
   d) 4.

76) Conclude logically from the following statements: (a) Either he is happy or he is poor.

   (b) He is happy. Inference: He is poor.
   a) the inference is definitely true.
   b) the inference is definitely false.
   c) the inference is probably false or true.
   d) inference cannot be drawn.

77) The sum of the squares of three numbers is 138, while the sum of their products taken two at a time is 131. Their sum is:
   a) 15.
   b) 20.
   c) 25.
   d) 35.

78) Fill with appropriate words: "I'm very happy _____ in India. I really miss being there".
   a) to live.
   b) to have lived.
   c) to be lived.
   d) to be living.

79) Find the fourth proportion to 2,3,6:
   a) 18.
   b) 12.
   c) 9.
   d) 4.

80) If TOUR is writen as 1234, CLEAR is writen as 56784 and SPARE is writen as 90847, find the code for CARE:
   a) 1247.
   b) 4847.
   c) 5247.
   d) 5847.

81) Arrange the fractions in ascending order:
   a) 5/8 < 7/12 < 3/4< 13/16.
   b) 5/8 < 7/12 < 13/16 < 3/4.
   c) 5/8 < 3/4< 13/16 < 7/12.
   d) 7/12 < 5/8 < 3/4< 13/16.

82) Organic compounds are originated from?
   a) Air.
   b) Sun.
   c) Rocks.
   d) Living organisms.

83) Who was the first Chairman of the SAARC:
   a) Mr. Zia ur Rehman.
   b) Lt. Gen H. M. Ershad.
   c) King Birendra.
   d) Mrs. Indira Gandhi.

84) Which of the following is inorganic?
   a) CH4.
   b) CH3CL.
   c) NaCN.
   d) CH3OH.

85) Ravi is too intelligent to fail in the examination.

   Assumption I: Very intelligent boys do not fail in the examinations.

   Assumption II: Those who are not intelligent at all may fail in the examinations.
   a) assumption I is implicit.
   b) assumption II is implicit.
   c) both I and II are implicit.
   d) neither of them is implicit.

86) The prices at which the government purchases food grains for maintaining the Public Distribution system (PDS) and for building up buffer - stock is known as:
   a) Minimum support prices.
   b) Procurement prices.
   c) Issue prices.
   d) Ceiling prices.

87) The average of four consecutive odd numbers is 24. Find the largest number.
   a) 25.
   b) 27.
   c) 29.
   d) 31.

88) Isotopes are atoms whose nucleuses have the same number of_____but different number of
   _____.
   a) protons, neutrons.
   b) protons, electrons.
   c) neutrons, electrons.
   d) electrons, positrons.

89) The pH of an acidic solution is_____7.
   a) less than.
   b) greater than.
   c) equal to.
   d) No such relation exists.

90) Change the sign to find the equation 48 - (3 + 4) + (2 x 2) = 0:
   a) Change + into x.
   b) Change x into +.
   c) Change - into +.
   d) Change + into —.

91) Calcium deficiency in the body can be found due to absence of:
   a) Vitamin C.
   b) Vitamin B.
   c) Vitamin D.
   d) Vitamin E.

92) The Constitution of India borrowed the scheme of Indian Federation from the constitution of:

   a) USA.
   b) Canada.
   c) United Kingdom.
   d) Ireland.

93) Carbohydrates in the plants are stored in the form of:
   a) Glycogen.
   b) Starch.
   c) Glucose.
   d) Maltose.

94) Find the analogy: Buter : Milk : : Oil : ?
   a) Cow.
   b) Seeds.
   c) Curd.
   d) Grains.

95) Bile manufactured by liver is stored within:

   a) Gall Bladder.
   b) Gastro Intestinal tract.
   c) Liver.
   d) Lungs.

96) Complete the series: RAP, MAP, HOT, FUN, ?

   a) HNE.
   b) PGI.
   c) STN.
   d) CAT.

97) Mahalanobis Model has been associated with which Five Year Plan:
   a) First Five Year Plan.
   b) Second Five Year Plan.
   c) Third Five Year Plan.
   d) Fourth Five Year Plan.

98) National Income estimates in India are prepared by:
   a) Planning Commission.
   b) Reserve Bank of India.
   c) Central Statistical Organization.
   d) Indian Statistical Institute.

99) 2.09 can be expressed in terms of percentage as:

   a) 2.09%.
   b) 20.9%.
   c) 209%.
   d) 0.209%

100) Fill with appropriate words: "She was working on her computer with her baby next to_____".

   a) herself.
   b) her.
   c) her own.
   d) hers.