

JEPAS(PG)-2021

1102400001

Subject: Master in-Hospital Administration (MHA)

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, $\frac{1}{4}$ 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 answers only in the space provided. Do not make any stray mark on the OMR.
5. Write question booklet number and 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 question booklet number/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, log-table, wristwatch, any communication device like mobile phones etc. inside the examination hall. Any candidate found with such items will be **reported against** and 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.

MHA MCQ 2021

Group – A

- Two trains are moving in opposite direction at the speed of 30 km/h and 45 km/h respectively, whose lengths are 450 m and 550 m. What is the time taken by slower train to cross the faster train (in seconds)?
 - 48sec.
 - 32sec.
 - 20sec.
 - 24sec.
- A and B can do a work in 7 days, B and C can do the same work in 21 days and all three together do the same work in 3 days. In how many days will A and C do $\frac{5}{7}$ part of the same work?
 - 2.5 days.
 - 1.5 days.
 - 2 days.
 - 3 days.
- A is twice as old as B. 12 years ago, A was five times as old as B, find the present age of A.
 - 20 years.
 - 16 years.
 - 24 years.
 - 15 years.
- Two numbers are in ratio 4: 9 and their HCF is 11 , what is their LCM?
 - 396.
 - 496.
 - 99.
 - 44.
- Find the greatest number that will divide 55, 127 and 175, so as to leave the same remainder in each case.
 - 15.
 - 11.
 - 20.
 - 24.
- If 15% of $(A+B) = 25\%$ of $(A-B)$, then what percent of B is equal to A ?
 - 100%.
 - 200%.
 - 300%.
 - 400%.
- What is the value of x in the equation $3x - 15 - 6 = 0$?
 - 7.
 - 8.
 - 9.
 - 9.

8. If A completes a particular work in 8 days and B completes the same work in 24 days. How many days will it take if they work together?
- 4.
 - 5.
 - 6.
 - 7.
9. What comes next in the sequence: 1, 3, 11, 43, ____?
- 161.
 - 171.
 - 181.
 - 191.
10. What is the distance travelled by a car which travelled at a speed of 80 km/hr for 3 hours and 30 minutes?
- 275 km.
 - 280 km.
 - 285 km.
 - 290 km.

Group – B

11. Pointing to a photograph of a man, Pooja said, “He is the only son of the mother of my sister’s brother.” How is that person related to Pooja?
- Father.
 - Maternal Uncle.
 - Cousin.
 - None of these.
12. Which number would replace the underline mark in the series 20, 40, 100, , 820?
- 240.
 - 260.
 - 280.
 - 300.
13. (i) Puja is older than Mukesh.
(ii) Suresh is older than Puja.
(iii) Mukesh is older than Suresh.
If the first two statements are true, the third statement is,
- False.
 - True.
 - Uncertain.
 - None of these.
14. If DRAG is coded as 36 and GAP is coded as 30, then how will DUCK be coded as?
- 42.
 - 45.
 - 39.
 - 47.

15. Statement : All eggs are waste
All waste is food

Conclusion I: Some food is waste

Conclusion II: Some waste are eggs

- a) I follows.
- b) II follows.
- c) Both follow.
- d) None follows.

16. Find the missing letters: RQP, ONM, _____, IHG, FED.

- a) CDE.
- b) LKI.
- c) LKJ.
- d) BAC.

17. Pointing to a photograph, a man said, "I have no brother , & that man's father is my father's son ." -
Whose photograph was it?

- a) His Son.
- b) His father.
- c) His nephew.
- d) He himself.

18. Arrange the following words in a meaningful sequence

(1) Infection (2) Consultation (3) Doctor (4) Treatment (5) Recovery

- a) 13452.
- b) 13245.
- c) 12345.
- d) 23514.

19. P and Q are the married couple. X and Y are sisters. X is the sister of P. How is Y related to Q?

- a) Sister.
- b) Cousin.
- c) Sister-in-law.
- d) Daughter-in-law.

20. Select the pair in which words are differently related?

- a) Purse : Money.
- b) Iron : Hard.
- c) Cotton : soft.
- d) Ice : Gold.

21. Merchant' is related to 'Trade' in the same way as 'Doctor' is related to:

- a) Medicine.
- b) Prescription.
- c) Healing.
- d) Examination.

22. D, the son-in-law of B, is the brother-in-law of A who is the brother of C. How is A related to B?
- Brother.
 - Son.
 - Father.
 - None.
23. Choose the number which is different from others.
- 13.
 - 17.
 - 23.
 - 63.
24. Which word does NOT belong with the others?
- Index.
 - Glossary.
 - Chapter.
 - Book.
25. Which word is the odd?
- Hate.
 - Fondness.
 - Liking.
 - Attachment.
26. In a certain code language 'PROTOCOL' is written as '6' then how will 'NASDAQ' be written in that code language?
- 3.
 - 2.
 - 1.
 - 6.
27. Pick an odd number in the given number series? 4 12 38 87 198
- 12.
 - 38.
 - 87.
 - 198.
28. Arrange the following words as per order in the dictionary.
- Myelopathy.
 - Mastoidectomy.
 - Metallography.
 - Neuropathy.
29. Which word does not belong to others?
- Green.
 - Red.
 - Violet.
 - Yellow.

30. Which number is different from others?

- a) 25.
- b) 37.
- c) 49.
- d) 64.

Group – C

31. Who is the present secretary-general of UN 2021?

- a) Antonio Guterres.
- b) David Malpass.
- c) Boris Johnson.
- d) None of the above.

32. Who got the Nobel prize in medicine, 2020 ?

- a) Harvey J. Alter, Michael Houghton and Charles M. Rice.
- b) Emmanuelle Charpentier and Jennifer A. Doudna.
- c) Reinhard Genzel and Andrea Ghez.
- d) Paul R. Milgrom, Robert B. Wilson.

33. Who has been appointed as the chairman of “Stop TB Partnership Board”?

- a) Shri Ramesh Pokhriyal.
- b) Shri Narendra Modi.
- c) Dr. Harsh Vardhan.
- d) Shri Prakash Javarekar.

34. First Five Year Plan was launched for the duration of 1951 to 1956, under the leadership of -

- a) Mahatma Gandhi.
- b) Lal Bahadur Shastri.
- c) Dadabhai Nauroji.
- d) Jawaharlal Nehru.

35. Present CEO of NITI AAYOG –

- a) Narendra Modi.
- b) Amitabh Kant.
- c) Jay Shah.
- d) None of the above.

36. Who was the first chief minister of West Bengal?

- a) Bidhan Ch. Roy.
- b) Prafulla Ch. Sen.
- c) Prafulla Ch. Ghosh.
- d) Ajay K. Mukherjee.

37. The hottest planet in the solar system -

- a) Mercury.
- b) Mars.
- c) Venus.
- d) Jupiter.

38. The 'Lady with the Lamp' was the name given to -
- Vijayalaxmi Pandit.
 - Florence Nightingale.
 - Queen Elizabeth.
 - Princess Diana.
39. DRDO stands for -
- Defence Research & Development Organisation.
 - Department of Research & Development Organisation.
 - Differential Research & Documentation Organisation.
 - None of these.
40. Corona Virus is a -
- DNA Virus.
 - RNA Virus.
 - Both RNA & DNA Virus.
 - None of the above.
41. The famous Meenakshi Temple is in -
- Madurai.
 - Kerala.
 - Karnataka.
 - Andhra Pradesh.
42. India does not share boundary with -
- Bhutan.
 - Thailand.
 - Afghanistan.
 - Myanmar.
43. Which Indian city is known as the 'Banana City'?
- Mysore.
 - Balgaum.
 - Jalgaon.
 - Ranchi.
44. Black soil is suitable for growing -
- Grapes.
 - Wheat.
 - Rice.
 - Cotton.
45. The Civil Service in India was organised by -
- John Shore.
 - Lord Cornwallis.
 - Lord William Bentinck.
 - Lord Auckland.

46. Vadodara city in Gujarat is located on the banks of -
- Narmada.
 - Tapti.
 - Sabarmati.
 - Vishwamitri River.
47. The name of the cyclonic storm 'YAAS' is given by-
- Maldives.
 - Srilanka.
 - Oman.
 - Bangladesh.
48. First battle of Panipat took place in -
- 1521.
 - 1526.
 - 1556.
 - 1761.
49. The head quarter of CBI is in -
- Chennai.
 - Mumbai.
 - Kolkata.
 - New Delhi.
50. "Concept of Concurrent list" – in our constitution is borrowed from–
- Australia.
 - Japan.
 - USA.
 - UK.

Group – D

51. Which among the following is not present in pure sugar?
- Carbon.
 - Hydrogen.
 - Nitrogen.
 - Oxygen.
52. Which of the following is the source of adult human stem cell?
- Liver.
 - Bone Marrow.
 - Brain.
 - Medulla.
53. Which of the following is correct about acceleration due to gravity?
- It increases with depth.
 - It decreases with depth.
 - It is independent of depth.
 - None of the above.

54. Hardest Part of the Human body is
- Tooth Enamel.
 - Femur.
 - Temporal Bone of Skull.
 - Knee bone.
55. Hydrogen bomb is based on the principle of
- Nuclear fission.
 - Nuclear fusion.
 - Natural radioactivity.
 - Artificial radioactivity.
56. Among the given nutrients , milk is a poor source of
- Calcium.
 - Protein.
 - Vitamin C.
 - Carbohydrates.
57. Diabetis Mellitus is a
- Air borne disease.
 - Water borne disease.
 - Mosquito Borne disease.
 - None.
58. Amoebiosis is a
- Air borne disease.
 - Water borne disease.
 - Mosquito Borne Disease.
 - None.
59. Osteoarthritis involves all except ?
- Hip joint.
 - Knee joint.
 - Distal interphalangeal joints.
 - Metacarpophalangeal joint of the thumb.
60. Carrying angle is decreased in
- Cubitus varus.
 - Cubitus valgus.
 - Genu valgum.
 - Genu varum.
61. In classical caesarean section more chances of rupture of uterus is in
- Upper uterine segment.
 - Lower uterine segment.
 - Utero cervical junction.
 - Posterior uterine segment.

62. The "waterline" in iceberg of disease represent the demarcation between
- Signs and symptoms.
 - Cases and controls.
 - Clinical and subclinical cases.
 - Apparent and inapparent disease.
63. First step of investigating an epidemic is
- Confirmation of epidemic.
 - Verification of diagnosis.
 - Search of cases.
 - Confirmation of hypothesis.
64. Case fatality rate indicates
- Pathogenicity of an organism.
 - Infectivity of an organism.
 - Killing power of a disease.
 - Status of host defense.
65. Incubation period is
- The time interval between primary and secondary cases.
 - The time interval between entry of an organism in the host to development of first symptom.
 - The period between disease detection to initiation of treatment.
 - The time period between first symptom to diagnosis of the disease.
66. Validity of a screening test includes
- Positivity and negativity.
 - Reliability and reproducibility.
 - Sensitivity and specificity.
 - Relevance and appropriateness.
67. Chi square test is a
- Parametric test.
 - Non parametric test.
 - Test of determination of difference between means.
 - Test of non significance.
68. Sampling is a method of choosing
- Representativeness from the Universe.
 - Appropriateness from the Universe.
 - Subjectiveness from the Universe.
 - Objectiveness from the Universe.
69. The terms Hypoglycemia and Hyperglycemia are related to which among the following?
- Body Fat.
 - Blood Sugar.
 - Metabolism of sugar galactose.
 - Respiration.

70. If we look at the floating piece of iceberg on the sea, approximately what fraction of it is visible above the seawater level?
- 1/8th.
 - 1/6th.
 - 1/10th.
 - 1/5th.
71. The chemical name of 'Plaster of Paris' commonly used for setting broken bones is
- Calcium carbonate.
 - Calcium sulphate.
 - Calcium nitrate.
 - Calcium chloride.
72. The 'Green House Effect' is produced due to the presence of excess amount of
- Nitrogen dioxide.
 - Carbon monoxide.
 - Sulphur dioxide.
 - Methane.
73. Denaturation of a protein is caused by
- Acid.
 - High salt concentration.
 - Heat.
 - All of the above.
74. The gas used in the artificial ripening of fruits is
- Methane.
 - Acetylene.
 - Ethane.
 - Butane.
75. The sparkling of a diamond is due to
- Interference of light.
 - Refraction of light.
 - Total internal reflection of light.
 - Polarisation of light.
76. Anaemia occurs due to the deficiency of
- Niacin.
 - Folic acid.
 - Riboflavin.
 - Thiamine.
77. The longest bone in the human body is:
- Femur.
 - Humerus.
 - Ulna.
 - Tibia.

78. Growth of the baby in the uterus is found using

- a) Gamma rays.
- b) X-rays.
- c) Ultra sound.
- d) Ultraviolet rays.

79. BCG vaccine is used against

- a) Food poisoning.
- b) Leprosy.
- c) None of the above.
- d) Tuberculosis.

80. Vector of Kala-azar is -

- a) Anopheles Mosquito.
- b) Culex Mosquito.
- c) Sand Fly.
- d) Tse-Tse Fly.

Group – E

81. The lives of great man inspire us ____ hopes of bright future. (Fill in the blanks with appropriate preposition)

- a) Of.
- b) For.
- c) To.
- d) With.

82. Funny how you can get a bee in your bonnet about the most unlikely matters. (Choose the correct option for the underlined words)

- a) Go wild.
- b) Obsessed with an idea.
- c) Speak succinctly.
- d) Stay up.

83. We climbed ___ the mountains to see the serene view. (Fill in the blanks with suitable preposition)?

- a) Over.
- b) Above.
- c) To.
- d) Up.

84. Spot the error in the sentence : No sooner does the principal (1) enter the class (2) then the students stand up (3)

- a) Part 1 is incorrect.
- b) Part 2 is incorrect.
- c) Part 3 is incorrect.
- d) No error.

85. Convert the following, compound sentence into complex sentence:
Keep quiet or you will repent
- You will repent if not keep quiet.
 - Keep quiet otherwise you will repent.
 - You will repent if you do not quiet.
 - None of the above.
86. Choose the correct option :-
The air was clear and fresh, ___ all the traffic.
- Because of.
 - In spite of.
 - According to.
 - Even though.
87. Choose the correct verb form from those in brackets-
The earth _____ round the sun.
- Moves.
 - Move.
 - Moved.
 - Have moved.
88. Select the synonym of 'spartan' -
- Garish.
 - Forgiven.
 - Civilized.
 - Brave.
89. When he (complete the sentence) P : did not know
Q: he was nervous and
R: heard the hue and cry at midnight S: what to do
The Proper sequence should be:
- RQPS.
 - QSPR.
 - SQPR.
 - PQRS.
90. Find the correct spelt word.
- Affedevit.
 - Afidevit.
 - Affidevit.
 - Affidavit.
91. My father said to us, "We should study and get a good division in the examination."
(direct & indirect speech)
- My father said us that we should study and got a good division in the examination.
 - My father told us that we should studied and got a good division in the examination.
 - My father told us that we should study and get a good division in the examination.
 - My father told to us that we should study and get a good division in the examination.

92. Synonym of OBLIGATORY -

- a) Required.
- b) Stubborn.
- c) Useful.
- d) Agreeable.

93. Antonym of INDISCREET

- a) Stupid.
- b) Prudent.
- c) Honest.
- d) Reliable.

94. Although he never learns to read, his exceptional memory and enquiring mind eventually made him a very ___ man. (Complete the sentence with suitable word)

- a) Dedicated.
- b) Erudite.
- c) Pragmatic.
- d) Benevolent.

95. He said, "Where shall I be this time next year!" (Change the indirect speech)

- a) He asked that where should he be that time next year.
- b) He wondered where he should be that time the next year.
- c) He contemplated where shall he be that time the following year.
- d) He wondered where he would be that time the following year.

96. "Words inscribed on tomb" is called - (one word substitution).

- a) Epitome.
- b) Epistle.
- c) Epitaph.
- d) Epilogue.

97. He was so kind and generous that

- P. he not only
- Q. made others do so
- R. but also
- S. helped them himself.

The proper sequence should be –

- a) PSRQ.
- b) SPQR.
- c) PRSQ.
- d) QPRS.

98. Change the direct speech to indirect speech :

The tailor said to him, "Will you have the suit ready by tomorrow evening?"

- a) The tailor asked him that he will have the suit ready by the next evening.
- b) The tailor asked him that he would had the suit ready by the next evening.
- c) The tailor asked him if he would have the suit ready by the next evening.
- d) The tailor asked him if he will like to the suit ready by the next evening.

99. Please give me _____ useful gift. (Choose the correct article)

- a) An.
- b) A.
- c) The.
- d) None.

100. Sanjana is dressed _____ bright colours. (Choose the correct preposition)

- a) On.
- b) In.
- c) With.
- d) Of.