

Dr. B. R. Ambedkar Open University
MASTER OF BUSINESS ADMINISTRATION
(HOSPITAL AND HEALTH CARE MANAGEMENT)
MODEL QUESTION PAPER FOR ENTRANCE TEST

[Time : 1½ Hour]

[Max. Marks: 100]

SECTION - A
(Test of Reasoning)

1. What should come in the place of '?' in the given series?
ACE, FGH, ?, PON
(A) KKK (B) JKI
(C) HJH (D) IKL
2. Typist : Typewriter :: Writer : ?
(A) Script (B) Pen
(C) Paper (D) Book
3. Paint : Artist :: Wood : ?
(A) Furniture (B) Forest
(C) Fire (D) Carpenter
4. Acme : Mace :: Alga : ?
(A) Glaa (B) Gaal
(C) Laga (D) Gala
5. Eighty : Gieyth :: Output : ?
(A) Utoptu (B) Uotupt
(C) Tuoutp (D) Tuotup

Directions (Q.6-10) Read the following information carefully and answer the questions given below:-

Six persons Alok, Neha, Anjali, Deo, Era and Himanshu are standing in a straight line facing North, but not necessarily in the same order. Neha is standing second to the right of Deo. Alok is standing fourth to the left of Himanshu and Himanshu is not standing on the extreme end of the line. Anjali is standing second to the right of Neha.

6. What is the position of Himanshu with respect to Era?
 (A) Second to the left (B) Third to the right
 (C) Second to the right (D) Third to the left
7. Which of the following group of persons standing in the middle of line?
 (A) Neha, Deo (B) Alok, Era
 (C) Era, Anjali (D) Era, Neha
8. Who is immediate left of Anjali?
 (A) Himanshu (B) Era
 (C) Alok (D) Neha
9. Based on the above arrangement three of the following four are alike in a certain way to form a group. Which is the one that does not belong to the group?
 (A) Alok, Era (B) Neha, Era
 (C) Himanshu, Neha (D) Era, Deo
10. Who are standing at the extreme positions of the line?
 (A) Alok, Himanshu (B) Neha, Anjali
 (C) Era, Anjali (D) Alok, Anjali

Directions (Q.11-15) Read the following information carefully and answer the questions given below:-

Each question given below consists of five or six statements followed by options consisting of three statements put together in a specific order. Choose the option which indicates a valid argument containing logically related statements that is, where the third statement is a conclusion drawn from the preceding two statements.

11. A : All balls are locks.
 B : All keys are locks. C
 : All keys are balls.
 D : Some keys are locks. E
 : Some locks are balls. F :
 No ball is lock.
- (A) ADC (B) BEF
 (C) CDE (D) CEF

12. A : All synopses are poets.
 B : Some synopses are mentors. C :
 Some X are not mentors.
 D : All X are poets.
 E : All synopses are mentors. F :
 All synopses are X.
 (A) ACB (B) AEC
 (C) FEC (D) DFA
13. A : All cushions are pillows. B :
 Some pillows are sheets. C :
 Some sheets are cushions.
 D : Some pillows are not cushions. E :
 All pillows are sheets.
 F : No pillows are sheets.
 (A) ABC (B) BCD
 (C) EAC (D) EDC
14. A : No window is a door. B
 : All poles are doors.
 C : No pole is a window.
 D : Some poles are not windows. E :
 Some windows are poles.
 F : Some doors are not windows.
 (A) ABC (B) ACB
 (C) BDA (D) DFA
15. A : Some apples are not sweets. B
 : Some apples are sweet.
 C : All sweets are tasty.
 D : Some apples are not tasty. E
 : No apple is tasty.
 (A) EAC (B) CEA
 (C) BDC (D) CBD

16. In a certain code language 'VARANASI' is written as 'ZEZIZMRH', then how will 'INTEREST' be written in that code language?
- (A) MRVGGHVI (B) MRVGVIGH
(C) MRVGVHGI (D) Cannot be determined
17. How many such pairs of letters are there in the word 'HYPERTENSION' each of which has as many letters between them in the word as they between them (considering both directions) in the English Alphabet?
- (A) Four (B) Five
(C) Six (D) Seven
18. How many such pairs of digits are there in the number '85092674' each of which has as many digits between them in the number as when they are arranged in ascending order?
- (A) One (B) Two
(C) Three (D) Four
19. Four of the following five are alike in a certain way and so form a group. Which is one that does not belong to that group?
- (A) Coal (B) Aluminium
(C) Plastic (D) Iron
20. In a class of 50 students, the rank of Jugni is 15th from the top and the rank of Rohan is 33rd from bottom, then how many students are there between Jugni and Rohan?
- (A) 1 (B) 2
(C) 3 (D) 4

SECTION - B
(Numerical Ability)

Direction (Q.21-30) : What value should come in place of question mark (?) in the following equations?

21. $1089/? = ?/1296$

(A) 1188

(B) 1192

(C) 1196

(D) 1204

22. 7.8% of $12.5 + 2.5\%$ of $161 = ?$

(A) 12

(B) 9.6

(C) 8

(D) 5

23. $7.8 \times 4.5 \times 4.2/0.14 = ?$

(A) 42.84

(B) 47.24

(C) 64.64

(D) None of these

24. $17580 \times 1.8 - 13720 \times 2.1 = ? \times 2.4$

(A) 1120

(B) 1140

(C) 1160

(D) 1180

25. $5525 \div 17 = \sqrt{?}$

(A) 93025

(B) 99225

(C) 105625

(D) 112225

26. Look at this series: 2, 1, $(1/2)$, $(1/4)$,..... What number should come next? (A)

$(1/3)$

(B) $(1/8)$

(C) $(2/8)$

(D) $(1/16)$

27. Look at this series: 7, 10, 8, 11, 9, 12, What number should come next? (A) 7

(B) 10

(C) 12

(D) 13

28. Look at this series: 36, 34, 30, 28, 24, What number should come next? (A) 20 (B) 22 (C) 23 (D) 26
29. Look at this series: 22, 21, 23, 22, 24, 23, What number should come next? (A) 22 (B) 24 (C) 25 (D) 26
30. Look at this series: 53, 53, 40, 40, 27, 27, What number should come next? (A) 12 (B) 14 (C) 27 (D) 53
31. A train crosses a pole in 15 seconds, while it crosses 100 meter long platform in 25 seconds. The length of the train is - (A) 125 m (B) 135 m (C) 150 m (D) 175 m
32. Two taps A and B can fill a tank in 12 minutes and 15 minutes respectively. If both the taps are opened simultaneously and the tap A is closed after 3 minutes, then how much more time will it take to fill the tank by tap B? (A) 7 min & 15 sec (B) 7 min & 45 sec (C) 8 min & 5 sec (D) 8 min & 15 sec
33. The milk and water in two vessels A and B are in the ratio 4 : 3 and 2 : 3 respectively. In what ratio, the liquids be mixed in both the vessels so that the new liquid contains half milk and half water? (A) 7 : 5 (B) 1 : 2 (C) 2 : 1 (D) 6 : 5
34. A car covers a distance of 715 km at a constant speed. If the speed of the car would have been 10 km/hr more, then it would have taken 2 hours less to cover the same distance. What is the original speed of the car? (A) 45 km/hr (B) 50 km/hr (C) 55 km/hr (D) 65 km/hr
35. A person covered some distance in 12 hours. He covered half the distance by rail @ 75 km per hour and the rest by car @ 45 km/hr. The total distance covered by him was (A) 450 km (B) 675 km (C) 337.5 km (D) 1350 km

Study the following table and answer the questions (36 - 40):

Number of Candidates Appeared and Qualified in a Competitive Examination from Different States over the Years.

State	Year									
	1997		1998		1999		2000		2001	
	App.	Qual.								
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	950	9500	1240	8700	980	9700	1200	8950	995
R	7800	870	7600	940	9800	1350	7600	945	7990	885

- 36.** Total number of candidates qualified from all the states together in 1997 is approximately what percentage of the total number of candidates qualified from all the states together in 1998?
(A) 72% (B) 77%
(C) 80% (D) 83%
- 37.** What is the average candidates who appeared from State Q during the given years?
(A) 8700 (B) 8760
(C) 8990 (D) 8920
- 38.** In which of the given years the number of candidates appeared from State P has maximum percentage of qualified candidates?
(A) 1997 (B) 1998
(C) 1999 (D) 2001
- 39.** What is the percentage of candidates qualified from State N for all the years together, over the candidates appeared from State N during all the years together?
(A) 12.36% (B) 12.16%
(C) 11.47% (D) 11.15%
- 40.** The percentage of total number of qualified candidates to the total number of appeared candidates among all the five states in 1999 is?
(A) 11.49% (B) 11.84%
(C) 12.21% (D) 12.57%

SECTION - C
(English Comprehension and Usage)

(41 - 45) Read each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'D'. (Ignore the errors of punctuation, if any):

- 41.** (Solve as per the direction given above)
- (A) We discussed about the problem so thoroughly
 - (B) on the eve of the examination
 - (C) that I found it very easy to work it out.
 - (D) No error
- 42.** (Solve as per the direction given above)
- (A) An Indian ship
 - (B) laden with merchandise
 - (C) got drowned in the Pacific Ocean
 - (D) No error

43. (Solve as per the direction given above)
- (A) I could not put up in a hotel
 - (B) because the boarding and lodging charges
 - (C) were exorbitant
 - (D) No error
44. (Solve as per the direction given above)
- (A) The Indian radio
 - (B) which was previously controlled by the British rulers
 - (C) is free now from the narrow vested interests
 - (D) No error
45. (Solve as per the direction given above)
- (A) If I had known
 - (B) this yesterday
 - (C) I will have helped him
 - (D) No error

(46 - 48) I felt the wall of the tunnel shiver. The master alarm squealed through my earphones. Almost simultaneously, Jack yelled down to me that there was a warning light on. Fleeting but spectacular sights snapped into an out of view, the snow, the shower of debris, the moon, looming close and big, the dazzling sunshine for once unfiltered by layers of air. The last twelve hours before re-entry were particular bone-chilling. During this period, I had to go up in to command module. Even after the fiery re-entry splashing down in 81° water in south pacific, we could still see our frosty breath inside the command module.

46. The word 'Command Module' used twice in the given passage indicates perhaps that it deals with
- (A) an alarming journey
 - (B) a commanding situation
 - (C) a journey into outer space
 - (D) a frightful battle
47. Which one of the following reasons would one consider as more as possible for the warning lights to be on?
- (A) There was a shower of debris.
 - (B) Jack was yelling.
 - (C) A catastrophe was imminent.
 - (D) The moon was looming close and big.

48. The statement that the dazzling sunshine was “for once unfiltered by layers of air” means
- (A) that the sun was very hot
 - (B) that there was no strong wind
 - (C) that the air was unpolluted
 - (D) none of above

(49 - 53) In the following the questions choose the word which best expresses the meaning of the given word:

49. CORPULENT

- (A) Lean
- (B) Gaunt
- (C) Emaciated
- (D) Obese

50. BRIEF

- (A) Limited
- (B) Small
- (C) Little
- (D) Short

51. EMBEZZLE

- (A) Misappropriate
- (B) Balance
- (C) Remunerate
- (D) Clear

52. VENT

- (A) Opening
- (B) Stodge
- (C) End
- (D) Past tense of go

53. AUGUST

- (A) Common
- (B) Ridiculous
- (C) Dignified
- (D) Petty

(54 - 58) In questions below, each passage consist of six sentences. The first and sixth sentences are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences.

54. S_1 : In the middle of one side of the square sits the Chairman of the Committee, the most important person in the room.
- P : For a committee is not just a mere collection of individuals.
- Q : On him rests much of the responsibility for the success or failure of the committee.
- R : While this is happening we have an opportunity to get the 'feel' of this committee.
- S : As the meeting opens, he runs briskly through a number of formalities.
- S_6 : From the moment its members meet, it begins to have a sort nebulous life of its own.

The Proper sequence should be:

- (A) RSQP (B) PQRS
(C) SQPR (D) QSRP

55. S_1 : A force of exists between everybody in the universe.
- P: Normally it is very small but when the one of the bodies is a planet, like earth, the force is considerable.
- Q: It has been investigated by many scientists including Galileo and Newton.
- R: Everything on or near the surface of the earth is attracted by the mass of earth.
- S : This gravitational force depends on the mass of the bodies involved. S_6 : The greater the mass, the greater is the earth's force of attraction on it. We can call this force of attraction gravity.

The Proper sequence should be:

- (A) PRQS (B) PRSQ
(C) QSRP (D) QSPR

56. S_1 : Calcutta unlike other cities keeps its trams. P :
As a result there horrendous congestion.
Q : It was going to be the first in South Asia. R :
They run down the centre of the road
S : To ease in the city decided to build an underground railway line.
 S_6 : The foundation stone was laid in 1972. The Proper sequence should be:
(A) PRSQ (B) PSQR
(C) SQRP (D) RPSQ
57. S_1 : For some time in his youth Abraham Lincoln was manager for a shop. P:
Then a chance Customer would come.
Q: Young Lincoln way of keeping shop was entirely unlike anyone else's R:
Lincoln would jump up and attend to his needs and then revert to his
reading.
S : He used to lie full length on the counter of the shop eagerly reading a book.
 S_6 : Never before had Lincoln had so much time for reading as had then.
The Proper sequence should be:
(A) SRQP (B) QSPR
(C) SQRP (D) QPSR
58. S_1 : All the land was covered by the ocean.
P: The leading god fought the monster, killed it and chopped its body in to two
halves.
Q : A terrible monster prevented the gods from separating the land from the
water.
R: The god made the sky out of the upper part of the body and ornamented it
with stars.
S: The god created the earth from the lower part, grew plants on it and
populated it with animals.
 S_6 : The god moulded the first people out of clay according to his own image
and mind. The Proper sequence should be:
(A) PQRS (B) PQSR
(C) QPSR (D) QPRS

(59- 60) In each question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.

- 59.** Despite his best efforts to conceal his anger _____
- (A) we could detect that he was very happy
 - (B) he failed to give us an impression of his agony
 - (C) he succeeded in camouflaging his emotions
 - (D) people came to know that he was annoyed
- 60.** 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

SECTION - D

(Health & Hospital Knowledge)

- 61.** What is the name of the disease arising out of Vitamin B1 deficiency?
- (A) Scurvy
 - (B) Beriberi
 - (C) Pellagra
 - (D) Gingivitis
- 62.** The deficiency of which of the following group of nutrients affects the skin?
- (A) Iron, Iodine, Zinc, Potassium
 - (B) Riboflacin, Niacin, Pyridoxine, Pantothenic Acid
 - (C) Vitamin K, Calcium, Fluorine, Copper
 - (D) All the three
- 63.** What does niacin deficiency cause?
- (A) Acne
 - (B) Scurvy
 - (C) Boils
 - (D) Pellagra
- 64.** What are the effects of Vitamin B6 deficiency?
- (A) Beriberi
 - (B) Scurvy
 - (C) Dermatomyoma
 - (D) Certain types of Eczema

65. Which of the following diseases are associated with Vitamin C deficiency?
(A) Psoriasis (B) Scurvy
(C) Pellagra (D) Vitiligo
66. What does Vitamin K deficiency lead to?
(A) Problem in digestion
(B) Problem in Blood Coagulation
(C) Problem in Calcium Metabolism
(D) All the three
67. Using purgatives on a regular basis is harmful to health. Which deficiency does it cause?
(A) Iron (B) Potassium
(C) Iodine (D) Chromium
68. Deficiency of Vitamin D gives rise to :
(A) Rheumatism (B) Arthritis
(C) Hernia (D) Rickets
69. 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
70. Night blindness drying of the conjunctiva, dry and scaly skin and loss of hair are some of the symptoms of :
(A) Vitamin K deficiency (B) Vitamin A deficiency
(C) Iron deficiency (D) Folic acid deficiency
71. Which among the following is not a 'hereditary' disease?
(A) Leukemia (B) Actinomycosis
(C) Black piedra (D) Epidemic typhus
72. Which disease is caused by a deficiency of protein?
(A) Gout (B) Osteoarthritis
(C) Avian Influenza (D) Kwashiorkor

73. The Indian Council of Medical Research (ICMR) has signed a pact with which organization to collaborate on vaccine research and development?
- (A) International Committee of the Red Cross
(B) World Health Organization
(C) International Vaccine Institute
(D) World Food Programme
74. Which state has become the India's first state to launch free injectable contraceptive for women?
- (A) Odisha (B) Assam
(C) Maharashtra (D) Tamil Nadu
75. Which State government has signed the MoU with Union Ministry of Health to set up Center of Excellence in Transfusion of Medicine?
- (A) Kerala (B) West Bengal
(C) Uttar Pradesh (D) Assam
76. Which of the following is not included in AYUSH?
- (A) Siddha (B) Homeopathy
(C) Allopathy (D) Unani
77. Which state government has launched "Aardram" a public health initiative?
- (A) Uttar Pradesh (B) Kerala
(C) Karnataka (D) Andhra Pradesh
78. Which union ministry launched the World Integrated Medicine Forum on Regulation of Homeopathic Medicine?
- (A) Ministry of Health and Family Welfare
(B) Ministry of Housing and Urban Poverty Alleviation
(C) Ministry of Human Resource Development
(D) Ministry of Ayush
79. India's first International Centre for Foot and Mouth Disease (ICFMD) has set up in which state?
- (A) Punjab (B) Kerala
(C) Madhya Pradesh (D) Odisha

80. The Union Government has launched IDCF programme to reduce child deaths due to diarrhea. What does “IDCF” stands for?
- (A) Intensify Diarrhea Control Fortnight
 - (B) Intense Diarrhea Control Fortnight
 - (C) Intensified Diarrhea Control Fortnight
 - (D) Intensive Diarrhea Control Fortnight

SECTION - E
(Current Affairs)

81. Which state for the first-time introduced reservations in jobs for transgenders?
- (A) Andhra Pradesh
 - (B) Tamil Nadu
 - (C) Kerala
 - (D) Karnataka
82. Who is the Director General of World Health Organisation?
- (A) Dr. Soumya Swaminathan
 - (B) Margaret Chan
 - (C) Tedros Adhanom Ghebreyesus
 - (D) António Guterres
83. Which country has become the first in the world to adopt bitcoin as legal tender?
- (A) United States of America
 - (B) El Salvador
 - (C) Cuba
 - (D) North Korea
84. Who among the following is appointed as Election Commissioner in June 2021?
- (A) Anup Chandra Pandey
 - (B) Sunil Arora
 - (C) Sushil Chandra
 - (D) Rajiv Kumar
85. Which of the following is associated with “multi-barrel rocket launcher”?
- (A) Nag
 - (B) Arjun
 - (C) Pinaka
 - (D) Brahmos

86. What is the name of the autobiography book of Dilip Kumar, actor who died recently?
- (A) "Dilip Kumar - The Substance and the Shadow"
(B) "Dilip Kumar - The Tragedy King"
(C) "Dilip Kumar - The Light and Shadow"
(D) "Dilip Kumar - The Matinee Idol"
87. Zika virus derives its name from the forest of which country?
- (A) Venezuela (B) Uganda
(C) Nigeria (D) Ethiopia
88. What is the full form of CoWIN?
- (A) COVID Vaccine Win
(B) COVID Wide Injection Network
(C) COVID Vaccine Intelligence Network
(D) COVID Wide India
89. Which foreign country has started accepting payments using BHIM UPI?
- (A) Nepal (B) Bhutan
(C) Bangladesh (D) Sri Lanka
90. Dr. P.K. Warrier, who died in July 2021 is associated with which of the following areas?
- (A) Cancer Research (B) Heart Diseases
(C) Homeopathy (D) Ayurveda
91. Danish Siddique, a Pulitzer Prize winner is associated with which field?
- (A) Teaching (B) Military
(C) Journalism (D) Sports
92. On which of the following dates "World Blood Donor Day" is observed every year?
- (A) July 14 (B) June 14
(C) June 24 (D) July 24
93. Whose birth anniversary is observed as Doctor's Day in India?
- (A) A.B.Roy (B) B.C.Roy
(C) C.D.Roy (D) P.T.Roy

94. Recently Government of India has decided to observe on which date as Partition Horrors Remembrance Day?
(A) August 15 (B) January 26
(C) August 14 (D) October 2
95. VineshPhogat is associated with which sport?
(A) Cricket (B) Weight Lifting
(C) Hockey (D) Wrestling
96. 'A1-Mohed A1-Hindi' is bilateral exercise between navies of India and _____.
(A) Iran (B) Saudi Arabia
(C) Oman (D) Indonesia
97. Which of the following countries does not share land border with Afghanistan?
(A) China (B) Pakistan
(C) Tajikistan (D) Kyrgyzstan
98. Who is the present Chairman of Indian Space Research Organisation (ISRO)?
(A) A.S. Kiran Kumar (B) K. Radhakrishnan
(C) K. Sivan (D) G. Satheesh Reddy
99. The first nasal Covid-19 vaccine which got regulatory approval for second third phase trials is developed by _____.
(A) Dr. Reddy's (B) Bharat Biotech
(C) Serum Institute of India (D) Indian Immunologicals
100. The Government has recently notified the plastic waste management amendment rules 2021. According to this, the manufacturing, import, stocking, distribution, sale and use of several single-use plastics will be prohibited with effect from _____.
(A) December 31, 2022 (B) July 1, 2023
(C) December 31, 2021 (D) July 1, 2022

